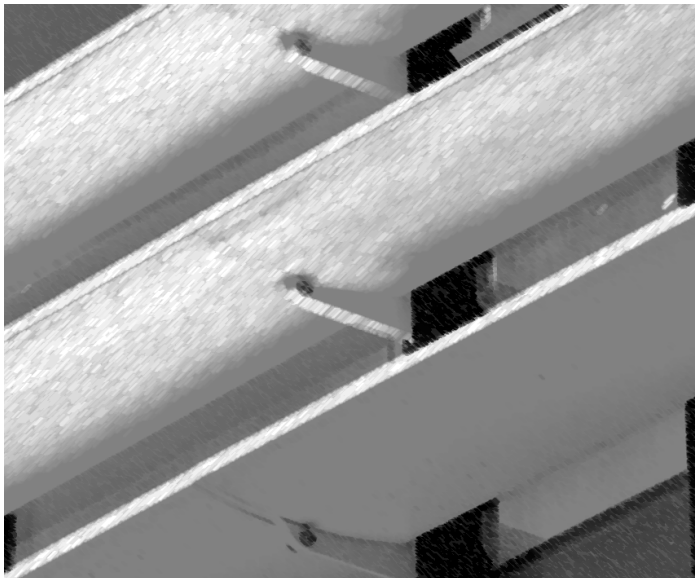
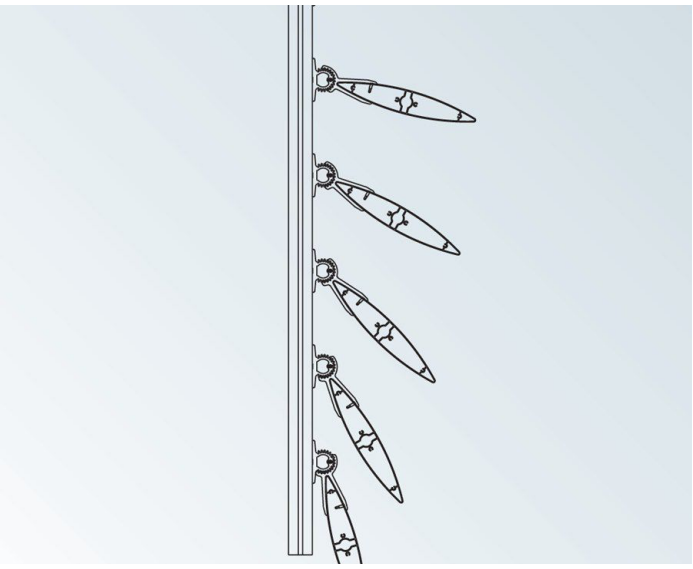
Financé par





Abaques de dimensionnement
PROTECSOLAME

Abaques

PROTECSOLAME

Document de synthèse rédigé par B. MALET-DAMOUR & G. RIVIERE

LA REUNION

Confort visuel Occultation à 100% NORD-EST 9

Confort visuel Occultation à 100% EST 10

Confort visuel Occultation à 100% SUD-EST 11

Confort visuel Occultation à 100% SUD 12

Confort visuel Occultation à 100% SUD-OUEST 13

Confort visuel Occultation à 100% OUEST 14

Confort visuel Occultation à 100% NORD-OUEST 15

Confort visuel Occultation à 75% NORD 16

Confort visuel Occultation à 75% NORD-EST 17

Confort visuel Occultation à 75% EST 18

Confort visuel Occultation à 75% SUD-EST 19

Confort visuel Occultation à 75% SUD 20

Confort visuel Occultation à 75% SUD-OUEST 21

Confort visuel Occultation à 75% OUEST 22

Confort visuel Occultation à 75% NORD-OUEST 23

Confort visuel Occultation à 50% NORD 24

Confort visuel Occultation à 50% NORD-EST 25

Confort visuel Occultation à 50% EST 26

Confort visuel Occultation à 50% SUD-EST 27

Confort visuel Occultation à 50% SUD 28

Confort visuel Occultation à 50% SUD-OUEST 29

Confort visuel Occultation à 50% OUEST 30

Confort visuel Occultation à 50% NORD-OUEST 31

Confort visuel Occultation à 25% NORD 32

Confort visuel Occultation à 25% NORD-EST 33

Confort visuel Occultation à 25% EST 34

Confort visuel Occultation à 25% SUD-EST 35

Confort visuel Occultation à 25% SUD 36

Confort visuel Occultation à 25% SUD-OUEST 37

Confort visuel Occultation à 25% OUEST 38

Confort visuel Occultation à 25% NORD-OUEST 39

Confort thermique_Occultation à 100%_NORD 40
Confort thermique_Occultation à 100%_NORD-EST 41
Confort thermique_Occultation à 100%_EST 42
Confort thermique_Occultation à 100%_SUD-EST 43
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Confort thermique_Occultation à 100%_SUD-OUEST 45
Confort thermique_Occultation à 100%_OUEST 46
Confort thermique_Occultation à 100%_NORD-OUEST 47
Confort thermique_Occultation à 75%_NORD 48
Confort thermique_Occultation à 75%_NORD-EST 49
Confort thermique_Occultation à 75%_EST 50
Confort thermique_Occultation à 75%_SUD-EST 51
Confort thermique_Occultation à 75%_SUD 52
Confort thermique_Occultation à 75%_SUD-OUEST 53
Confort thermique_Occultation à 75%_OUEST 54
Confort thermique_Occultation à 75%_NORD-OUEST 55
Confort thermique_Occultation à 50%_NORD 56
Confort thermique_Occultation à 50%_NORD-EST 57
Confort thermique_Occultation à 50%_EST 58
Confort thermique_Occultation à 50%_SUD-EST 59
Confort thermique_Occultation à 50%_SUD 60
Confort thermique_Occultation à 50%_SUD-OUEST 61
Confort thermique_Occultation à 50%_OUEST 62
Confort thermique_Occultation à 50%_NORD-OUEST 63
Confort thermique_Occultation à 25%_NORD 64
Confort thermique_Occultation à 25%_NORD-EST 65
Confort thermique_Occultation à 25%_EST 66
Confort thermique_Occultation à 25%_SUD-EST 67
Confort thermique_Occultation à 25%_SUD 68
Confort thermique_Occultation à 25%_SUD-OUEST 69
Confort thermique_Occultation à 25%_OUEST 70
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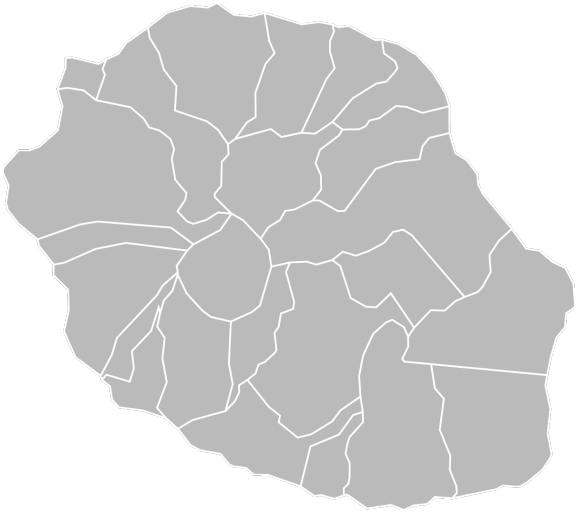
MAYOTTE

Confort visuel_Occultation à 100%_NORD 73
Confort visuel_Occultation à 100%_NORD-EST 74
Confort visuel_Occultation à 100%_EST 75
Confort visuel_Occultation à 100%_SUD-EST 76
Confort visuel_Occultation à 100%_SUD 77
Confort visuel_Occultation à 100%_SUD-OUEST 78
Confort visuel_Occultation à 100%_OUEST 79
Confort visuel_Occultation à 100%_NORD-OUEST 80
Confort visuel_Occultation à 75%_NORD 81
Confort visuel_Occultation à 75%_NORD-EST 82
Confort visuel_Occultation à 75%_EST 83
Confort visuel_Occultation à 75%_SUD-EST 84
Confort visuel_Occultation à 75%_SUD 85
Confort visuel_Occultation à 75%_SUD-OUEST 86
Confort visuel_Occultation à 75%_OUEST 87
Confort visuel_Occultation à 75%_NORD-OUEST 88
Confort visuel_Occultation à 50%_NORD 89
Confort visuel_Occultation à 50%_NORD-EST 90
Confort visuel_Occultation à 50%_EST 91
Confort visuel_Occultation à 50%_SUD-EST 92
Confort visuel_Occultation à 50%_SUD 93
Confort visuel_Occultation à 50%_SUD-OUEST 94
Confort visuel_Occultation à 50%_OUEST 95
Confort visuel_Occultation à 50%_NORD-OUEST 96
Confort visuel_Occultation à 25%_NORD 97
Confort visuel_Occultation à 25%_NORD-EST 98
Confort visuel_Occultation à 25%_EST 99
Confort visuel_Occultation à 25%_SUD-EST 100
Confort visuel_Occultation à 25%_SUD 101
Confort visuel_Occultation à 25%_SUD-OUEST 102
Confort visuel_Occultation à 25%_OUEST 103
Confort visuel_Occultation à 25%_NORD-OUEST 104

Confort thermique_Occultation à 100%_NORD 105
Confort thermique_Occultation à 100%_NORD-EST 106
Confort thermique_Occultation à 100%_EST 107
Confort thermique_Occultation à 100%_SUD-EST 108
Confort thermique_Occultation à 100%_SUD 109
Confort thermique_Occultation à 100%_SUD-OUEST 110
Confort thermique_Occultation à 100%_OUEST 111
Confort thermique_Occultation à 100%_NORD-OUEST 112
Confort thermique_Occultation à 75%_NORD 113
Confort thermique_Occultation à 75%_NORD-EST 114
Confort thermique_Occultation à 75%_EST 115
Confort thermique_Occultation à 75%_SUD-EST 116
Confort thermique_Occultation à 75%_SUD 117
Confort thermique_Occultation à 75%_SUD-OUEST 118
Confort thermique_Occultation à 75%_OUEST 119
Confort thermique_Occultation à 75%_NORD-OUEST 120
Confort thermique_Occultation à 50%_NORD 121
Confort thermique_Occultation à 50%_NORD-EST 122
Confort thermique_Occultation à 50%_EST 123
Confort thermique_Occultation à 50%_SUD-EST 124
Confort thermique_Occultation à 50%_SUD 125
Confort thermique_Occultation à 50%_OUEST 126
Confort thermique_Occultation à 50%_NORD-OUEST 127
Confort thermique_Occultation à 25%_NORD 128
Confort thermique_Occultation à 25%_NORD-EST 129
Confort thermique_Occultation à 25%_EST 130
Confort thermique_Occultation à 25%_SUD-EST 131
Confort thermique_Occultation à 25%_SUD 132
Confort thermique_Occultation à 25%_SUD-OUEST 133
Confort thermique_Occultation à 25%_OUEST 134
Confort thermique_Occultation à 25%_NORD-OUEST 135

LA REUNION



Confort visuel

Occultation à 100%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

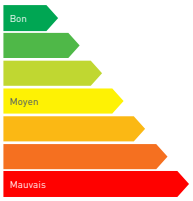
Météo : La Réunion
Orientation : NORD
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,17																													
10	0,48	0,44	0,41	0,39	0,37	0,37	0,21	0,16																						
15	0,62	0,60	0,58	0,57	0,57	0,57	0,42	0,35	0,29	0,24	0,21	0,19	0,23	0,17					0,15											
20		0,69	0,67	0,67	0,67	0,67	0,54	0,49	0,44	0,41	0,39	0,38	0,38	0,30	0,23	0,18			0,24	0,17					0,17					
25							0,62	0,58	0,54	0,52	0,50	0,50	0,49	0,42	0,36	0,32	0,28	0,27	0,36	0,27	0,20	0,16			0,24	0,18				
30							0,68	0,64	0,61	0,59	0,58	0,58	0,56	0,51	0,46	0,42	0,39	0,38	0,45	0,38	0,31	0,25	0,22	0,19	0,35	0,25	0,19			
35								0,69	0,66	0,65	0,64	0,64	0,62	0,57	0,53	0,50	0,48	0,47	0,52	0,45	0,40	0,35	0,32	0,30	0,43	0,34	0,27	0,21	0,17	
40										0,69	0,68	0,68	0,66	0,62	0,58	0,56	0,54	0,53	0,57	0,52	0,46	0,42	0,40	0,39	0,49	0,41	0,35	0,30	0,26	0,24

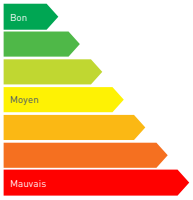
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	80%	78%	76%	74%	73%	71%	40%	25%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	83%	83%	82%	81%	80%	80%	79%	76%	70%	52%	28%	6%	50%	30%	7%	0%	0%	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	84%	84%	84%	83%	83%	83%	82%	80%	78%	76%	74%	72%	78%	73%	46%	27%	1%	0%	57%	32%	11%	0%	0%	0%	31%	7%	0%	0%	0%	0%
25	85%	85%	84%	84%	84%	84%	84%	83%	81%	80%	79%	78%	81%	78%	76%	71%	66%	58%	77%	69%	35%	19%	0%	0%	61%	32%	14%	0%	0%	0%
30	86%	85%	85%	85%	84%	84%	84%	84%	83%	82%	81%	80%	83%	81%	79%	77%	75%	73%	81%	77%	72%	60%	32%	12%	77%	64%	32%	14%	0%	0%
35	86%	86%	85%	85%	85%	85%	85%	84%	84%	83%	83%	82%	84%	83%	81%	79%	78%	77%	82%	80%	77%	74%	70%	66%	80%	76%	68%	35%	12%	0%
40	86%	86%	86%	86%	86%	86%	85%	84%	84%	84%	84%	83%	84%	83%	83%	81%	80%	79%	83%	81%	79%	77%	75%	73%	82%	79%	75%	70%	61%	43%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	54%	55%	56%	57%	59%	59%	58%	59%	60%	60%	61%	61%	59%	60%	60%	61%	61%	61%	60%	61%	61%	61%	61%	61%	60%	61%	61%	61%	61%	61%
10	40%	42%	44%	46%	47%	47%	52%	54%	55%	57%	58%	59%	55%	57%	58%	59%	60%	61%	57%	58%	59%	60%	60%	61%	58%	59%	60%	60%	61%	61%
15	31%	32%	34%	35%	35%	35%	44%	47%	49%	51%	53%	54%	51%	53%	55%	56%	58%	59%	54%	55%	57%	58%	59%	60%	55%	57%	58%	59%	60%	61%
20	25%	26%	27%	27%	27%	27%	37%	40%	42%	44%	45%	46%	45%	48%	51%	53%	55%	56%	50%	53%	54%	56%	58%	59%	53%	55%	56%	58%	59%	60%
25	20%	21%	22%	22%	22%	22%	32%	34%	36%	38%	39%	39%	40%	43%	46%	48%	50%	51%	46%	49%	52%	54%	55%	57%	50%	52%	54%	56%	57%	59%
30	17%	18%	19%	19%	19%	18%	28%	30%	32%	33%	34%	34%	36%	39%	41%	44%	45%	46%	42%	45%	48%	51%	52%	54%	46%	50%	52%	54%	56%	57%
35	15%	15%	16%	16%	16%	15%	24%	26%	28%	29%	30%	30%	32%	35%	37%	39%	41%	41%	38%	42%	45%	47%	49%	50%	43%	47%	50%	52%	54%	55%
40	13%	13%	14%	14%	14%	13%	22%	23%	25%	26%	26%	26%	29%	32%	34%	36%	37%	37%	35%	38%	41%	43%	45%	46%	40%	44%	46%	49%	51%	52%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : NORD-EST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,26	0,20	0,16																											
10	0,51	0,47	0,44	0,41	0,39	0,38	0,32	0,24	0,19				0,21																	
15	0,64	0,61	0,59	0,58	0,57	0,57	0,47	0,40	0,35	0,30	0,27	0,24	0,34	0,26	0,20				0,25	0,18					0,20					
20		0,70	0,68	0,68	0,67	0,68	0,57	0,52	0,47	0,44	0,41	0,40	0,45	0,38	0,31	0,26	0,22	0,18	0,35	0,27	0,20	0,15			0,28	0,20				
25							0,64	0,60	0,56	0,54	0,52	0,51	0,53	0,47	0,41	0,37	0,33	0,30	0,44	0,36	0,29	0,24	0,19	0,15	0,36	0,28	0,21	0,15		
30							0,69	0,66	0,63	0,61	0,59	0,59	0,59	0,54	0,49	0,45	0,42	0,40	0,51	0,43	0,37	0,32	0,28	0,25	0,43	0,35	0,28	0,22	0,18	
35									0,68	0,66	0,65	0,64	0,64	0,59	0,55	0,52	0,50	0,48	0,56	0,50	0,44	0,39	0,36	0,33	0,49	0,41	0,35	0,29	0,25	0,21
40										0,70	0,69	0,69	0,68	0,64	0,60	0,57	0,55	0,54	0,61	0,55	0,50	0,46	0,43	0,41	0,54	0,47	0,41	0,36	0,32	0,29

CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	37%	30%	24%	18%	14%	10%	15%	7%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	61%	58%	56%	54%	52%	51%	43%	37%	27%	19%	15%	10%	28%	16%	8%	0%	0%	0%	16%	7%	0%	0%	0%	0%	12%	0%	0%	0%	0%	0%
15	67%	67%	66%	65%	64%	63%	57%	53%	49%	44%	38%	34%	45%	39%	29%	19%	15%	10%	35%	24%	14%	2%	0%	0%	25%	14%	1%	0%	0%	0%
20	71%	70%	69%	68%	68%	68%	63%	61%	59%	56%	54%	52%	55%	52%	45%	38%	31%	28%	46%	41%	31%	19%	15%	10%	38%	29%	16%	8%	0%	0%
25	72%	72%	71%	71%	70%	70%	68%	66%	64%	62%	61%	60%	61%	58%	54%	50%	45%	42%	54%	50%	43%	35%	28%	24%	48%	42%	31%	19%	15%	10%
30	73%	73%	73%	72%	72%	72%	70%	68%	67%	66%	65%	64%	65%	62%	60%	57%	54%	53%	60%	55%	51%	46%	40%	35%	54%	49%	42%	33%	25%	18%
35	74%	74%	74%	73%	73%	73%	71%	70%	69%	67%	67%	67%	67%	66%	63%	61%	59%	58%	63%	60%	57%	52%	49%	46%	58%	54%	49%	42%	34%	31%
40	75%	74%	74%	74%	74%	73%	72%	71%	70%	69%	68%	68%	69%	68%	66%	65%	63%	63%	65%	62%	60%	57%	55%	53%	62%	58%	53%	49%	43%	40%

Bon — Moyen — Mauvais

CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	55%	57%	59%	60%	62%	63%	60%	62%	63%	64%	64%	64%	62%	63%	64%	64%	64%	64%	63%	64%	64%	64%	64%	65%	63%	64%	64%	64%	64%	65%
10	40%	43%	45%	47%	48%	48%	52%	55%	58%	60%	61%	63%	57%	59%	61%	63%	63%	64%	59%	61%	63%	63%	64%	64%	61%	62%	63%	64%	64%	65%
15	31%	33%	34%	35%	36%	36%	43%	47%	50%	53%	55%	56%	50%	54%	57%	59%	61%	62%	54%	58%	60%	62%	63%	64%	57%	60%	62%	63%	63%	64%
20	24%	26%	27%	27%	28%	27%	36%	40%	43%	45%	47%	48%	44%	48%	52%	55%	57%	58%	50%	54%	57%	59%	61%	62%	53%	57%	59%	61%	62%	63%
25	20%	21%	22%	22%	22%	22%	31%	34%	37%	38%	40%	40%	39%	43%	47%	49%	51%	53%	45%	49%	53%	55%	58%	59%	49%	53%	56%	59%	61%	62%
30	16%	17%	18%	19%	19%	18%	27%	29%	32%	33%	34%	35%	35%	39%	42%	44%	46%	47%	41%	45%	49%	52%	54%	55%	45%	50%	53%	56%	58%	60%
35	14%	15%	15%	16%	16%	15%	23%	26%	28%	29%	30%	30%	31%	35%	37%	40%	41%	42%	37%	41%	45%	48%	50%	51%	42%	46%	50%	53%	55%	57%
40	12%	13%	13%	13%	13%	13%	21%	23%	25%	26%	26%	27%	28%	31%	34%	36%	37%	38%	34%	38%	41%	44%	46%	47%	39%	43%	47%	50%	52%	54%

Bon — Moyen — Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

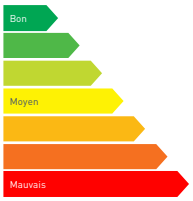
Météo : La Réunion
Orientation : EST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,28	0,23	0,18																											
10	0,51	0,48	0,45	0,43	0,41	0,40	0,34	0,27	0,22	0,17			0,23	0,16					0,17											
15	0,64	0,62	0,60	0,59	0,58	0,58	0,48	0,42	0,38	0,33	0,30	0,27	0,36	0,29	0,23	0,18			0,28	0,21	0,15				0,22	0,15				
20		0,70	0,69	0,68	0,67	0,68	0,58	0,53	0,49	0,46	0,43	0,42	0,46	0,40	0,34	0,29	0,25	0,22	0,38	0,30	0,24	0,19			0,31	0,23	0,17			
25							0,64	0,61	0,58	0,55	0,53	0,52	0,54	0,49	0,44	0,39	0,36	0,33	0,46	0,39	0,33	0,27	0,23	0,19	0,39	0,31	0,25	0,19		
30							0,69	0,66	0,64	0,62	0,60	0,60	0,60	0,55	0,51	0,47	0,44	0,43	0,52	0,46	0,40	0,35	0,31	0,28	0,45	0,38	0,32	0,26	0,21	0,17
35									0,68	0,67	0,65	0,65	0,65	0,60	0,57	0,54	0,51	0,50	0,57	0,52	0,47	0,42	0,39	0,36	0,50	0,44	0,38	0,33	0,28	0,25
40											0,69	0,69	0,68	0,65	0,61	0,59	0,57	0,56	0,61	0,56	0,52	0,48	0,45	0,43	0,55	0,49	0,44	0,39	0,35	0,32

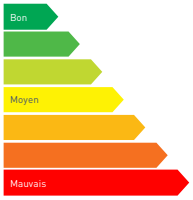
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	20%	14%	8%	6%	6%	4%	6%	1%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	36%	34%	33%	31%	30%	29%	23%	19%	11%	7%	6%	4%	12%	7%	2%	0%	0%	0%	8%	2%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%
15	43%	42%	40%	39%	38%	38%	34%	31%	27%	22%	19%	15%	26%	20%	13%	7%	6%	4%	17%	9%	4%	0%	0%	0%	11%	5%	0%	0%	0%	0%
20	46%	45%	45%	44%	44%	43%	39%	37%	34%	33%	31%	30%	33%	28%	23%	19%	14%	9%	27%	21%	13%	7%	6%	4%	20%	12%	6%	2%	0%	0%
25	48%	47%	47%	46%	46%	45%	42%	40%	38%	37%	35%	35%	38%	35%	32%	28%	25%	22%	32%	27%	22%	17%	11%	7%	27%	22%	14%	7%	6%	4%
30	49%	48%	48%	47%	47%	46%	45%	44%	42%	41%	40%	39%	39%	38%	35%	33%	32%	30%	36%	33%	28%	24%	20%	16%	31%	27%	21%	15%	9%	7%
35	50%	49%	49%	48%	48%	48%	47%	46%	44%	44%	43%	42%	42%	39%	38%	36%	34%	33%	39%	36%	33%	31%	27%	24%	35%	31%	27%	21%	17%	13%
40	50%	50%	50%	49%	49%	49%	48%	47%	46%	45%	45%	44%	44%	43%	40%	38%	37%	36%	40%	39%	36%	33%	32%	30%	38%	35%	31%	27%	23%	20%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	51%	54%	56%	58%	59%	60%	57%	59%	61%	61%	62%	62%	59%	61%	62%	62%	62%	62%	60%	62%	62%	62%	62%	62%	61%	62%	62%	62%	62%	62%
10	38%	40%	42%	44%	45%	46%	48%	52%	54%	57%	58%	60%	53%	56%	59%	60%	61%	62%	56%	59%	60%	61%	62%	62%	58%	60%	61%	61%	62%	62%
15	29%	31%	32%	33%	34%	34%	40%	44%	47%	49%	51%	53%	47%	51%	54%	56%	58%	60%	51%	55%	57%	59%	60%	61%	54%	57%	59%	60%	61%	62%
20	23%	25%	26%	26%	27%	27%	34%	37%	40%	42%	44%	45%	41%	45%	48%	51%	53%	55%	46%	50%	53%	56%	58%	60%	49%	53%	56%	58%	60%	61%
25	19%	20%	21%	22%	22%	21%	29%	32%	34%	36%	38%	38%	37%	40%	43%	46%	48%	50%	42%	46%	49%	52%	54%	56%	46%	50%	53%	56%	58%	59%
30	16%	17%	18%	18%	18%	18%	25%	28%	30%	31%	33%	33%	32%	36%	39%	41%	43%	44%	38%	42%	45%	48%	50%	52%	42%	46%	50%	53%	55%	57%
35	14%	15%	15%	15%	15%	15%	22%	24%	26%	28%	29%	29%	29%	32%	35%	37%	39%	40%	35%	38%	42%	44%	47%	48%	39%	43%	47%	49%	52%	54%
40	12%	13%	13%	13%	13%	13%	20%	22%	23%	25%	25%	26%	26%	29%	32%	34%	35%	36%	32%	35%	38%	41%	43%	44%	36%	40%	44%	46%	49%	50%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

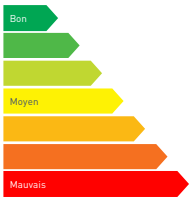
Météo : La Réunion
Orientation : SUD-EST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,28	0,26	0,24	0,22	0,19	0,15	0,16																							
10	0,51	0,49	0,48	0,46	0,45	0,44	0,34	0,32	0,29	0,26	0,22	0,18	0,25	0,23	0,20	0,17			0,20	0,17					0,16					
15	0,63	0,62	0,61	0,60	0,60	0,60	0,48	0,45	0,43	0,40	0,37	0,34	0,37	0,34	0,31	0,28	0,24	0,20	0,30	0,27	0,24	0,20	0,17		0,25	0,22	0,19	0,16		
20		0,70	0,69	0,69	0,69	0,69	0,57	0,55	0,53	0,51	0,49	0,47	0,46	0,44	0,41	0,38	0,35	0,31	0,39	0,36	0,33	0,29	0,25	0,21	0,33	0,30	0,27	0,23	0,19	
25							0,63	0,62	0,60	0,59	0,57	0,56	0,53	0,51	0,49	0,46	0,43	0,41	0,46	0,43	0,40	0,37	0,33	0,29	0,40	0,37	0,33	0,30	0,26	0,21
30							0,68	0,67	0,66	0,64	0,63	0,63	0,59	0,57	0,55	0,53	0,51	0,49	0,52	0,49	0,46	0,43	0,40	0,37	0,45	0,43	0,40	0,36	0,32	0,28
35									0,70	0,69	0,68	0,67	0,63	0,62	0,60	0,58	0,56	0,55	0,56	0,54	0,52	0,49	0,46	0,44	0,50	0,48	0,45	0,42	0,38	0,34
40													0,67	0,66	0,64	0,62	0,61	0,60	0,60	0,58	0,56	0,54	0,51	0,49	0,54	0,52	0,49	0,46	0,43	0,40

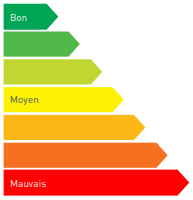
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	41%	43%	44%	46%	47%	48%	46%	48%	49%	49%	50%	51%	48%	49%	50%	50%	51%	51%	49%	50%	50%	51%	51%	51%	50%	50%	51%	51%	51%	51%
10	31%	32%	33%	35%	35%	36%	39%	41%	43%	44%	46%	48%	43%	45%	46%	48%	49%	50%	45%	47%	48%	49%	50%	50%	46%	48%	49%	50%	50%	51%
15	24%	25%	26%	27%	27%	27%	32%	34%	36%	38%	40%	41%	38%	40%	42%	44%	46%	47%	41%	43%	45%	47%	48%	49%	43%	45%	47%	48%	49%	50%
20	20%	20%	21%	21%	22%	21%	28%	30%	31%	33%	34%	35%	33%	35%	38%	39%	41%	43%	37%	39%	41%	43%	45%	47%	39%	42%	44%	46%	47%	49%
25	16%	17%	18%	18%	18%	18%	24%	26%	27%	28%	29%	30%	29%	32%	34%	35%	37%	38%	33%	36%	38%	40%	42%	44%	36%	39%	41%	43%	45%	47%
30	14%	15%	15%	15%	15%	15%	21%	23%	24%	25%	26%	26%	26%	28%	30%	32%	33%	34%	31%	33%	35%	37%	39%	40%	34%	36%	38%	41%	42%	44%
35	12%	13%	13%	13%	13%	13%	19%	20%	21%	22%	23%	23%	24%	26%	28%	29%	30%	31%	28%	30%	32%	34%	36%	37%	31%	34%	36%	38%	40%	42%
40	11%	11%	12%	12%	12%	11%	17%	18%	19%	20%	20%	20%	22%	24%	25%	26%	27%	28%	26%	28%	30%	32%	33%	34%	29%	31%	34%	36%	37%	39%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

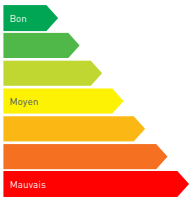
Météo : La Réunion
Orientation : SUD
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,29	0,28	0,26	0,23	0,20	0,17	0,17	0,15																						
10	0,51	0,50	0,49	0,48	0,46	0,45	0,35	0,33	0,31	0,28	0,24	0,20	0,26	0,24	0,21	0,18	0,15		0,20	0,18	0,16				0,17					
15	0,63	0,63	0,62	0,61	0,61	0,61	0,48	0,47	0,45	0,42	0,40	0,37	0,38	0,36	0,33	0,30	0,26	0,22	0,31	0,29	0,26	0,23	0,19		0,26	0,24	0,21	0,18		
20			0,70	0,70	0,69	0,69	0,57	0,56	0,55	0,53	0,51	0,49	0,47	0,45	0,43	0,40	0,37	0,33	0,39	0,37	0,35	0,31	0,27	0,23	0,34	0,32	0,29	0,25	0,21	0,17
25							0,64	0,63	0,62	0,60	0,59	0,58	0,54	0,53	0,51	0,48	0,46	0,43	0,47	0,45	0,42	0,39	0,36	0,32	0,40	0,38	0,36	0,32	0,28	0,23
30							0,69	0,68	0,67	0,66	0,65	0,64	0,60	0,58	0,57	0,55	0,53	0,51	0,52	0,51	0,48	0,46	0,43	0,39	0,46	0,44	0,42	0,39	0,35	0,30
35										0,70	0,69	0,69	0,64	0,63	0,61	0,60	0,58	0,57	0,57	0,56	0,54	0,51	0,49	0,46	0,51	0,49	0,47	0,44	0,41	0,37
40													0,67	0,67	0,65	0,64	0,63	0,61	0,61	0,60	0,58	0,56	0,54	0,52	0,55	0,54	0,51	0,49	0,46	0,43

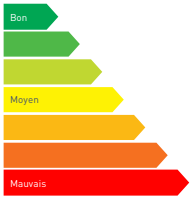
CLD

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	32%	33%	34%	35%	36%	37%	36%	37%	38%	39%	39%	40%	38%	39%	39%	40%	40%	41%	39%	39%	40%	40%	40%	41%	39%	40%	40%	40%	41%	41%
10	24%	24%	25%	26%	26%	27%	30%	31%	32%	33%	35%	36%	33%	34%	35%	36%	37%	39%	35%	36%	37%	38%	39%	40%	36%	37%	38%	38%	39%	40%
15	19%	19%	20%	20%	20%	20%	25%	26%	27%	28%	29%	30%	29%	30%	31%	32%	34%	35%	31%	32%	34%	35%	36%	38%	33%	34%	35%	36%	37%	39%
20	15%	16%	16%	16%	16%	16%	21%	22%	23%	24%	25%	25%	25%	26%	27%	29%	30%	31%	28%	29%	30%	32%	33%	35%	30%	31%	33%	34%	35%	37%
25	13%	13%	14%	14%	14%	14%	19%	19%	20%	21%	21%	22%	23%	23%	24%	26%	27%	28%	25%	27%	28%	29%	31%	32%	28%	29%	30%	32%	33%	35%
30	12%	12%	12%	12%	12%	12%	16%	17%	18%	18%	19%	19%	20%	21%	22%	23%	24%	25%	23%	24%	25%	27%	28%	29%	26%	27%	28%	29%	31%	32%
35	10%	10%	11%	11%	11%	11%	15%	15%	16%	16%	17%	17%	18%	19%	20%	21%	22%	22%	21%	22%	23%	24%	26%	27%	24%	25%	26%	27%	29%	30%
40	9%	9%	9%	10%	10%	9%	13%	14%	14%	15%	15%	15%	17%	18%	18%	19%	20%	20%	20%	21%	21%	22%	23%	24%	22%	23%	24%	25%	27%	28%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

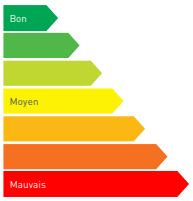
Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,29	0,27	0,25	0,23	0,20	0,16	0,16																							
10	0,51	0,50	0,48	0,47	0,46	0,45	0,35	0,33	0,30	0,27	0,24	0,20	0,26	0,23	0,21	0,18			0,20	0,18	0,15				0,16					
15	0,63	0,62	0,62	0,61	0,60	0,60	0,48	0,46	0,44	0,42	0,39	0,36	0,38	0,35	0,33	0,29	0,25	0,21	0,31	0,28	0,25	0,22	0,18		0,25	0,23	0,20	0,17		
20		0,70	0,70	0,69	0,69	0,69	0,57	0,56	0,54	0,52	0,50	0,48	0,47	0,45	0,42	0,39	0,36	0,32	0,39	0,37	0,34	0,30	0,26	0,22	0,33	0,31	0,28	0,24	0,20	0,16
25							0,63	0,62	0,61	0,60	0,58	0,57	0,54	0,52	0,50	0,48	0,45	0,42	0,46	0,44	0,41	0,38	0,35	0,31	0,40	0,38	0,35	0,31	0,27	0,23
30							0,68	0,67	0,66	0,65	0,64	0,63	0,59	0,58	0,56	0,54	0,52	0,50	0,52	0,50	0,48	0,45	0,42	0,38	0,46	0,44	0,41	0,38	0,34	0,30
35										0,69	0,69	0,68	0,64	0,62	0,61	0,59	0,57	0,56	0,57	0,55	0,53	0,50	0,48	0,45	0,51	0,49	0,46	0,43	0,40	0,36
40													0,67	0,66	0,65	0,63	0,62	0,61	0,61	0,59	0,57	0,55	0,53	0,51	0,55	0,53	0,51	0,48	0,45	0,42

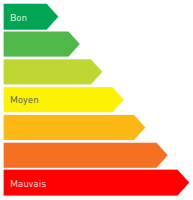
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	36%	37%	38%	39%	40%	41%	40%	41%	42%	43%	43%	44%	42%	42%	43%	43%	44%	44%	42%	43%	44%	44%	44%	44%	43%	44%	44%	44%	44%	45%
10	27%	28%	29%	29%	30%	31%	33%	35%	36%	38%	39%	41%	37%	38%	39%	41%	42%	43%	39%	40%	41%	42%	43%	44%	40%	41%	42%	43%	43%	44%
15	21%	22%	22%	23%	23%	23%	28%	29%	31%	32%	33%	35%	32%	34%	35%	37%	39%	40%	35%	36%	38%	39%	41%	42%	37%	38%	40%	41%	42%	43%
20	17%	18%	18%	19%	19%	19%	24%	25%	26%	28%	29%	29%	29%	30%	32%	33%	35%	36%	32%	33%	35%	37%	38%	40%	34%	36%	37%	39%	40%	41%
25	15%	15%	15%	16%	16%	16%	21%	22%	23%	24%	25%	25%	26%	27%	28%	30%	31%	32%	29%	30%	32%	34%	35%	37%	31%	33%	35%	36%	38%	40%
30	13%	13%	13%	13%	13%	13%	19%	20%	20%	21%	22%	22%	23%	24%	26%	27%	28%	29%	26%	28%	29%	31%	32%	34%	29%	31%	32%	34%	36%	37%
35	11%	11%	12%	12%	12%	12%	17%	18%	18%	19%	19%	20%	21%	22%	23%	24%	25%	26%	24%	26%	27%	29%	30%	31%	27%	29%	30%	32%	33%	35%
40	10%	10%	10%	11%	11%	10%	15%	16%	17%	17%	17%	18%	19%	20%	21%	22%	23%	24%	22%	24%	25%	26%	28%	29%	25%	27%	28%	30%	31%	32%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

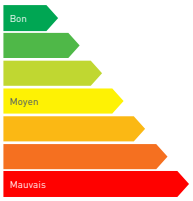
Météo : La Réunion
Orientation : OUEST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,25	0,22	0,18	0,16																										
10	0,48	0,45	0,43	0,41	0,40	0,39	0,30	0,26	0,22	0,18	0,15		0,21	0,17					0,16											
15	0,61	0,59	0,58	0,57	0,56	0,57	0,44	0,40	0,36	0,33	0,30	0,27	0,33	0,28	0,24	0,20	0,16		0,25	0,21	0,17				0,20	0,16				
20	0,69	0,68	0,67	0,66	0,66	0,67	0,54	0,50	0,47	0,45	0,43	0,41	0,42	0,38	0,34	0,30	0,26	0,23	0,34	0,29	0,24	0,20	0,17		0,28	0,23	0,19	0,15		
25							0,61	0,58	0,56	0,54	0,52	0,51	0,50	0,46	0,42	0,39	0,36	0,33	0,42	0,37	0,32	0,28	0,24	0,21	0,35	0,30	0,25	0,21	0,17	
30							0,66	0,64	0,62	0,60	0,59	0,59	0,56	0,52	0,49	0,46	0,44	0,42	0,48	0,43	0,39	0,35	0,32	0,29	0,41	0,36	0,31	0,27	0,23	0,19
35								0,68	0,67	0,65	0,64	0,64	0,61	0,58	0,55	0,52	0,50	0,49	0,53	0,49	0,45	0,41	0,38	0,36	0,46	0,41	0,37	0,33	0,29	0,26
40										0,69	0,68	0,68	0,65	0,62	0,59	0,57	0,56	0,55	0,57	0,53	0,50	0,47	0,44	0,43	0,51	0,46	0,42	0,38	0,35	0,32

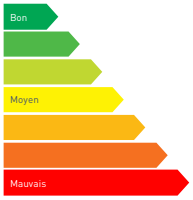
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	10%	8%	7%	5%	1%	0%	3%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	29%	26%	24%	20%	19%	18%	14%	9%	8%	6%	1%	0%	8%	3%	1%	0%	0%	0%	4%	1%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
15	39%	37%	36%	35%	34%	33%	26%	22%	17%	13%	10%	8%	16%	10%	8%	6%	1%	0%	10%	5%	1%	0%	0%	0%	6%	2%	0%	0%	0%	0%
20	42%	41%	40%	39%	38%	38%	34%	30%	26%	23%	20%	19%	25%	20%	14%	10%	8%	7%	17%	11%	8%	6%	1%	0%	12%	6%	2%	1%	0%	0%
25	45%	44%	43%	42%	41%	41%	39%	37%	35%	32%	30%	29%	30%	26%	22%	18%	14%	12%	24%	18%	12%	9%	7%	7%	17%	11%	8%	6%	1%	0%
30	47%	46%	45%	45%	44%	44%	42%	40%	38%	36%	35%	34%	36%	32%	27%	24%	21%	19%	29%	25%	19%	14%	11%	9%	24%	17%	12%	8%	7%	6%
35	48%	48%	47%	47%	46%	46%	43%	42%	40%	39%	38%	37%	39%	37%	34%	30%	28%	25%	33%	28%	24%	19%	17%	14%	28%	23%	17%	12%	9%	8%
40	49%	49%	48%	48%	47%	47%	44%	43%	42%	40%	39%	39%	41%	40%	37%	35%	33%	31%	37%	33%	28%	24%	21%	20%	31%	27%	22%	17%	13%	10%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	44%	45%	47%	48%	49%	50%	48%	50%	51%	51%	52%	52%	50%	51%	52%	52%	52%	53%	51%	52%	52%	52%	52%	53%	51%	52%	52%	52%	53%	53%
10	33%	34%	36%	37%	38%	38%	41%	43%	45%	47%	48%	50%	45%	47%	48%	50%	51%	52%	47%	49%	50%	51%	52%	52%	48%	50%	51%	51%	52%	52%
15	26%	27%	28%	28%	29%	29%	35%	37%	39%	41%	42%	44%	40%	42%	44%	46%	48%	49%	43%	45%	47%	49%	50%	51%	45%	47%	49%	50%	51%	52%
20	21%	22%	22%	23%	23%	23%	30%	32%	34%	35%	36%	37%	35%	38%	40%	42%	44%	46%	39%	42%	44%	46%	48%	49%	42%	44%	46%	48%	49%	51%
25	17%	18%	19%	19%	19%	19%	26%	27%	29%	30%	31%	32%	32%	34%	36%	38%	40%	41%	36%	38%	41%	43%	45%	46%	39%	42%	44%	46%	48%	49%
30	15%	15%	16%	16%	16%	16%	23%	24%	26%	27%	27%	28%	28%	31%	33%	34%	36%	37%	33%	35%	38%	40%	42%	43%	36%	39%	41%	43%	45%	47%
35	13%	13%	14%	14%	14%	14%	20%	22%	23%	24%	24%	24%	26%	28%	30%	31%	32%	33%	30%	33%	35%	37%	38%	40%	34%	36%	39%	41%	43%	44%
40	11%	12%	12%	12%	12%	12%	18%	19%	20%	21%	22%	22%	23%	25%	27%	28%	29%	30%	28%	30%	32%	34%	36%	37%	31%	34%	36%	38%	40%	42%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

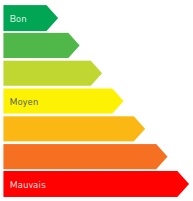
Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,22	0,18																												
10	0,46	0,43	0,40	0,38	0,36	0,36	0,26	0,21	0,17				0,17																	
15	0,60	0,58	0,56	0,55	0,55	0,55	0,41	0,36	0,31	0,27	0,24	0,22	0,29	0,23	0,18				0,21	0,15					0,16					
20	0,69	0,67	0,66	0,65	0,65	0,66	0,52	0,47	0,44	0,40	0,38	0,37	0,39	0,33	0,28	0,23	0,20	0,17	0,30	0,23	0,19				0,23	0,18				
25							0,60	0,56	0,53	0,50	0,49	0,48	0,47	0,42	0,37	0,33	0,30	0,28	0,38	0,31	0,26	0,22	0,18		0,30	0,24	0,19			
30							0,65	0,62	0,60	0,58	0,57	0,57	0,54	0,49	0,45	0,42	0,39	0,38	0,45	0,39	0,33	0,29	0,25	0,23	0,37	0,30	0,25	0,20	0,17	
35							0,70	0,67	0,65	0,63	0,63	0,62	0,59	0,55	0,51	0,49	0,47	0,46	0,50	0,45	0,40	0,36	0,33	0,31	0,43	0,36	0,31	0,26	0,23	0,20
40									0,69	0,68	0,67	0,67	0,64	0,60	0,57	0,54	0,53	0,52	0,55	0,50	0,46	0,42	0,40	0,38	0,48	0,42	0,37	0,32	0,29	0,26

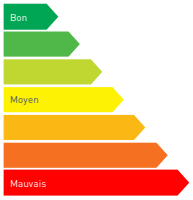
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	20%	15%	8%	5%	0%	9%	2%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	59%	56%	53%	50%	47%	46%	37%	27%	17%	9%	6%	1%	18%	8%	2%	0%	0%	0%	10%	3%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%
15	67%	65%	64%	62%	62%	62%	55%	50%	43%	36%	29%	23%	41%	31%	20%	9%	6%	1%	27%	14%	5%	0%	0%	0%	16%	6%	1%	0%	0%	0%
20	70%	70%	69%	68%	67%	67%	63%	60%	56%	53%	49%	47%	54%	46%	39%	29%	19%	16%	43%	32%	21%	9%	6%	1%	32%	19%	7%	2%	0%	0%
25	72%	72%	71%	71%	70%	70%	66%	65%	62%	60%	59%	58%	59%	56%	51%	46%	39%	35%	52%	45%	36%	25%	16%	14%	44%	33%	22%	10%	6%	1%
30	73%	73%	72%	72%	72%	71%	69%	67%	65%	64%	63%	62%	64%	61%	57%	53%	50%	48%	58%	54%	46%	39%	30%	24%	51%	44%	33%	23%	15%	13%
35	74%	74%	73%	73%	73%	72%	71%	70%	68%	67%	66%	66%	66%	65%	62%	59%	57%	56%	62%	58%	54%	49%	44%	39%	57%	51%	44%	35%	25%	18%
40	75%	74%	74%	74%	73%	73%	72%	71%	70%	69%	69%	68%	68%	66%	64%	62%	60%	60%	65%	62%	58%	54%	51%	49%	59%	56%	51%	43%	37%	31%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	48%	50%	52%	53%	54%	55%	53%	54%	55%	56%	56%	57%	55%	56%	56%	57%	57%	57%	55%	56%	57%	57%	57%	57%	56%	57%	57%	57%	57%	57%
10	37%	39%	40%	42%	43%	43%	46%	48%	50%	52%	54%	55%	50%	52%	54%	55%	56%	56%	52%	54%	55%	56%	56%	57%	53%	55%	56%	56%	57%	57%
15	28%	30%	31%	32%	32%	32%	39%	42%	44%	46%	48%	49%	45%	48%	50%	52%	53%	55%	48%	51%	52%	54%	55%	56%	50%	52%	54%	55%	56%	56%
20	23%	24%	25%	25%	25%	25%	33%	36%	38%	40%	41%	42%	40%	43%	45%	48%	49%	51%	44%	47%	49%	51%	53%	54%	47%	50%	52%	53%	55%	56%
25	19%	20%	21%	21%	21%	21%	29%	31%	33%	35%	36%	36%	36%	39%	41%	43%	45%	46%	41%	44%	46%	48%	50%	52%	44%	47%	49%	51%	53%	54%
30	16%	17%	17%	18%	18%	17%	25%	27%	29%	30%	31%	31%	32%	35%	37%	39%	41%	42%	37%	40%	43%	45%	47%	48%	41%	44%	47%	49%	51%	52%
35	14%	15%	15%	15%	15%	15%	22%	24%	26%	27%	27%	27%	29%	32%	34%	36%	37%	38%	34%	37%	40%	42%	44%	45%	38%	41%	44%	46%	48%	50%
40	12%	13%	13%	13%	13%	13%	20%	22%	23%	24%	24%	24%	26%	29%	31%	32%	33%	34%	32%	34%	37%	39%	41%	41%	36%	39%	41%	44%	46%	47%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

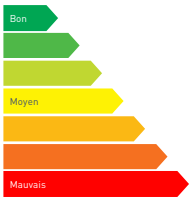
Météo : La Réunion
Orientation : NORD
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,36	0,33	0,31	0,30	0,29	0,28	0,29	0,28	0,27	0,26	0,26	0,26	0,28	0,27	0,26	0,26	0,26	0,25	0,27	0,26	0,26	0,26	0,26	0,25	0,27	0,26	0,26	0,26	0,25	0,25
10	0,60	0,57	0,54	0,53	0,52	0,52	0,38	0,34	0,32	0,30	0,29	0,28	0,32	0,30	0,29	0,28	0,27	0,27	0,30	0,29	0,27	0,27	0,26	0,26	0,29	0,28	0,27	0,26	0,26	0,26
15		0,69	0,67	0,67	0,67	0,67	0,54	0,49	0,45	0,41	0,39	0,38	0,39	0,35	0,33	0,31	0,30	0,28	0,34	0,31	0,30	0,29	0,28	0,27	0,32	0,30	0,28	0,28	0,27	0,26
20							0,64	0,60	0,56	0,54	0,53	0,52	0,51	0,45	0,40	0,36	0,34	0,33	0,40	0,35	0,33	0,31	0,30	0,29	0,35	0,32	0,30	0,29	0,28	0,27
25							0,70	0,67	0,64	0,62	0,62	0,61	0,59	0,54	0,50	0,47	0,45	0,44	0,49	0,42	0,37	0,35	0,33	0,32	0,40	0,36	0,33	0,31	0,30	0,29
30									0,70	0,68	0,68	0,68	0,65	0,61	0,57	0,55	0,53	0,53	0,56	0,51	0,46	0,42	0,39	0,38	0,48	0,41	0,36	0,34	0,32	0,31
35													0,69	0,66	0,63	0,61	0,59	0,59	0,62	0,57	0,53	0,49	0,47	0,46	0,54	0,48	0,43	0,39	0,36	0,35
40														0,70	0,67	0,65	0,64	0,64	0,66	0,61	0,58	0,55	0,53	0,53	0,59	0,54	0,49	0,45	0,43	0,42

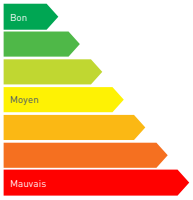
CLD

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	72%	66%	57%	52%	48%	44%	51%	46%	36%	35%	31%	30%	45%	33%	33%	31%	29%	28%	37%	33%	30%	30%	28%	27%	29%	33%	28%	29%	27%	27%
10	81%	80%	79%	78%	78%	77%	74%	69%	60%	54%	49%	46%	63%	54%	48%	41%	38%	34%	54%	48%	38%	37%	33%	31%	51%	41%	36%	34%	31%	29%
15	84%	83%	83%	83%	82%	82%	80%	78%	76%	74%	72%	70%	75%	70%	63%	55%	51%	47%	69%	58%	52%	47%	41%	37%	60%	53%	46%	41%	37%	33%
20	84%	84%	84%	84%	84%	84%	83%	82%	80%	79%	78%	78%	79%	77%	74%	71%	67%	64%	76%	71%	64%	56%	51%	48%	72%	62%	54%	49%	43%	39%
25	85%	85%	84%	84%	84%	84%	83%	83%	82%	82%	81%	81%	82%	80%	79%	77%	75%	75%	79%	76%	73%	68%	63%	58%	76%	71%	64%	56%	52%	48%
30	85%	85%	85%	85%	85%	85%	84%	84%	83%	83%	83%	83%	83%	82%	81%	79%	78%	78%	81%	79%	77%	75%	73%	71%	79%	76%	72%	67%	60%	55%
35	86%	85%	85%	85%	85%	85%	84%	84%	84%	84%	84%	83%	83%	83%	82%	81%	81%	80%	83%	81%	79%	78%	77%	75%	81%	78%	76%	73%	70%	68%
40	86%	86%	86%	85%	85%	85%	85%	84%	84%	84%	84%	84%	84%	83%	83%	82%	82%	82%	83%	82%	81%	80%	79%	78%	82%	80%	78%	76%	75%	74%



CECC

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	51%	52%	53%	54%	55%	56%	55%	56%	57%	57%	58%	58%	57%	57%	58%	58%	58%	59%	57%	58%	58%	58%	59%	59%	58%	58%	59%	59%	59%	59%
10	38%	39%	41%	42%	42%	42%	49%	51%	52%	53%	54%	55%	53%	54%	55%	56%	57%	57%	54%	56%	57%	57%	58%	58%	55%	57%	57%	58%	58%	58%
15	29%	30%	31%	31%	31%	30%	42%	44%	46%	48%	49%	49%	49%	50%	52%	53%	54%	55%	51%	53%	54%	55%	56%	57%	53%	54%	56%	56%	57%	58%
20	23%	24%	24%	24%	24%	23%	35%	37%	39%	40%	41%	41%	43%	46%	48%	49%	50%	51%	48%	50%	51%	53%	54%	55%	51%	52%	53%	55%	56%	56%
25	19%	19%	20%	19%	19%	18%	30%	32%	33%	34%	34%	34%	38%	41%	43%	44%	46%	46%	44%	47%	49%	50%	51%	52%	48%	50%	51%	53%	54%	55%
30	16%	16%	16%	16%	16%	15%	26%	28%	29%	29%	29%	29%	34%	36%	38%	40%	40%	41%	40%	43%	45%	47%	48%	49%	45%	47%	49%	50%	52%	53%
35	13%	14%	14%	14%	13%	13%	23%	24%	25%	26%	26%	25%	30%	33%	34%	35%	36%	36%	37%	39%	41%	43%	44%	44%	41%	44%	46%	48%	49%	50%
40	12%	12%	12%	12%	12%	11%	20%	21%	22%	23%	23%	22%	27%	29%	31%	32%	32%	32%	33%	36%	38%	39%	40%	40%	38%	41%	43%	45%	46%	47%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

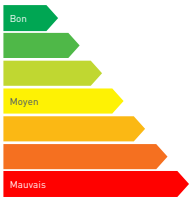
Météo : La Réunion
Orientation : NORD-EST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,43	0,39	0,35	0,32	0,30	0,29	0,33	0,29	0,27	0,27	0,26	0,26	0,30	0,27	0,26	0,26	0,26	0,26	0,28	0,26	0,26	0,26	0,26	0,25	0,28	0,26	0,26	0,26	0,25	0,25
10	0,62	0,59	0,56	0,54	0,53	0,53	0,47	0,41	0,37	0,34	0,31	0,29	0,39	0,34	0,30	0,28	0,27	0,27	0,35	0,30	0,28	0,27	0,27	0,26	0,32	0,28	0,27	0,27	0,26	0,26
15		0,70	0,68	0,67	0,67	0,67	0,58	0,53	0,49	0,46	0,44	0,42	0,48	0,43	0,38	0,34	0,31	0,29	0,42	0,36	0,32	0,29	0,28	0,27	0,38	0,33	0,29	0,28	0,27	0,27
20							0,66	0,62	0,59	0,56	0,55	0,54	0,56	0,51	0,46	0,43	0,40	0,38	0,49	0,43	0,38	0,34	0,32	0,30	0,44	0,38	0,33	0,30	0,29	0,28
25								0,68	0,66	0,64	0,63	0,62	0,63	0,58	0,54	0,51	0,48	0,47	0,55	0,50	0,45	0,41	0,38	0,35	0,50	0,44	0,38	0,35	0,32	0,30
30										0,69	0,68	0,68	0,68	0,63	0,60	0,57	0,55	0,54	0,61	0,55	0,51	0,47	0,44	0,42	0,55	0,49	0,44	0,40	0,37	0,34
35														0,68	0,65	0,62	0,61	0,60	0,65	0,60	0,56	0,53	0,50	0,49	0,59	0,54	0,49	0,45	0,42	0,40
40															0,69	0,67	0,65	0,65	0,68	0,64	0,60	0,58	0,56	0,55	0,63	0,58	0,53	0,50	0,47	0,45

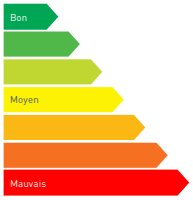
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	54%	52%	50%	48%	46%	42%	47%	43%	33%	32%	30%	30%	43%	31%	31%	30%	29%	29%	36%	31%	30%	30%	28%	28%	30%	31%	29%	30%	28%	28%
10	63%	62%	61%	60%	59%	59%	56%	55%	52%	50%	47%	44%	53%	49%	45%	35%	34%	32%	49%	45%	34%	33%	32%	30%	47%	35%	33%	32%	30%	29%
15	67%	67%	67%	67%	67%	67%	61%	60%	59%	57%	55%	54%	57%	56%	53%	51%	47%	44%	54%	52%	48%	42%	35%	33%	52%	49%	41%	35%	33%	32%
20	70%	69%	69%	69%	69%	69%	64%	63%	62%	62%	61%	61%	61%	59%	57%	55%	54%	52%	57%	56%	53%	51%	48%	45%	56%	53%	50%	46%	37%	34%
25	71%	71%	71%	71%	71%	71%	67%	67%	66%	65%	65%	65%	63%	62%	61%	60%	58%	57%	61%	59%	57%	55%	53%	52%	58%	56%	54%	52%	48%	45%
30	72%	72%	72%	72%	72%	73%	68%	68%	67%	67%	67%	67%	65%	64%	63%	62%	61%	61%	63%	61%	60%	58%	56%	55%	60%	59%	56%	54%	52%	51%
35	74%	73%	73%	73%	73%	73%	69%	69%	68%	68%	68%	68%	67%	66%	65%	65%	64%	65%	64%	63%	62%	61%	59%	58%	62%	61%	59%	57%	55%	54%
40	74%	74%	74%	74%	74%	74%	70%	70%	70%	69%	69%	70%	68%	68%	67%	66%	66%	66%	66%	64%	63%	62%	62%	61%	63%	62%	61%	59%	58%	56%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	51%	53%	55%	56%	58%	58%	57%	59%	60%	60%	60%	61%	59%	60%	61%	61%	61%	61%	60%	61%	61%	61%	61%	61%	60%	61%	61%	61%	61%	61%
10	37%	39%	41%	42%	43%	43%	49%	52%	54%	56%	57%	58%	54%	56%	58%	59%	59%	60%	56%	58%	59%	60%	60%	61%	58%	59%	60%	60%	61%	61%
15	28%	29%	30%	31%	31%	30%	41%	44%	46%	48%	49%	50%	48%	51%	53%	55%	57%	58%	52%	55%	57%	58%	59%	60%	54%	57%	58%	59%	60%	60%
20	22%	23%	24%	24%	24%	23%	34%	37%	39%	40%	41%	42%	42%	45%	48%	50%	52%	53%	47%	51%	53%	55%	56%	58%	51%	54%	56%	57%	58%	59%
25	18%	19%	19%	19%	19%	18%	29%	31%	33%	34%	35%	35%	37%	40%	43%	45%	46%	47%	43%	46%	49%	51%	53%	54%	47%	50%	53%	55%	56%	57%
30	15%	15%	16%	16%	16%	15%	25%	27%	28%	29%	30%	29%	33%	36%	38%	40%	41%	41%	39%	42%	45%	47%	49%	50%	43%	47%	50%	52%	53%	55%
35	12%	13%	13%	13%	13%	13%	22%	23%	25%	25%	26%	25%	29%	32%	34%	35%	36%	37%	35%	38%	41%	43%	45%	45%	40%	43%	46%	49%	50%	52%
40	11%	11%	11%	11%	11%	11%	19%	21%	22%	22%	23%	22%	26%	29%	30%	32%	32%	32%	32%	35%	38%	39%	41%	41%	37%	40%	43%	45%	47%	48%



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EST

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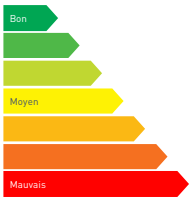
Météo : La Réunion
Orientation : EST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,45	0,41	0,37	0,35	0,32	0,30	0,35	0,31	0,29	0,28	0,27	0,26	0,31	0,28	0,27	0,27	0,26	0,26	0,29	0,27	0,27	0,26	0,26	0,26	0,28	0,26	0,26	0,26	0,26	0,26
10	0,62	0,60	0,57	0,56	0,54	0,54	0,48	0,44	0,40	0,36	0,33	0,31	0,41	0,36	0,32	0,30	0,29	0,28	0,37	0,32	0,29	0,28	0,28	0,27	0,34	0,30	0,28	0,28	0,27	0,26
15			0,69	0,68	0,67	0,68	0,59	0,55	0,51	0,48	0,46	0,44	0,50	0,45	0,40	0,37	0,34	0,32	0,44	0,39	0,34	0,32	0,30	0,28	0,40	0,35	0,31	0,29	0,28	0,28
20							0,66	0,63	0,60	0,58	0,56	0,55	0,58	0,53	0,49	0,45	0,42	0,40	0,51	0,46	0,41	0,37	0,34	0,32	0,46	0,41	0,36	0,33	0,31	0,29
25								0,69	0,67	0,65	0,64	0,63	0,63	0,59	0,56	0,53	0,50	0,49	0,57	0,52	0,47	0,44	0,41	0,38	0,52	0,46	0,41	0,37	0,34	0,32
30										0,70	0,69	0,69	0,68	0,64	0,61	0,59	0,57	0,56	0,62	0,57	0,53	0,50	0,47	0,45	0,56	0,51	0,47	0,43	0,39	0,37
35														0,68	0,66	0,64	0,62	0,61	0,65	0,61	0,58	0,55	0,53	0,51	0,60	0,56	0,51	0,48	0,45	0,42
40															0,69	0,68	0,66	0,66	0,69	0,65	0,62	0,59	0,57	0,56	0,64	0,59	0,55	0,52	0,50	0,48

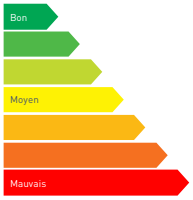
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	27%	24%	21%	18%	15%	21%	14%	8%	8%	7%	7%	14%	8%	8%	7%	6%	6%	9%	8%	7%	7%	6%	6%	7%	8%	6%	6%	5%	6%
10	37%	35%	35%	35%	35%	35%	31%	29%	27%	22%	19%	15%	26%	22%	16%	10%	9%	8%	22%	15%	9%	9%	8%	7%	20%	10%	8%	8%	7%	6%
15	43%	43%	43%	42%	42%	42%	35%	35%	34%	32%	31%	29%	32%	30%	28%	23%	19%	16%	29%	25%	20%	13%	10%	9%	26%	21%	12%	10%	9%	8%
20	46%	46%	46%	45%	45%	45%	39%	38%	37%	35%	35%	35%	35%	35%	32%	30%	28%	27%	32%	31%	28%	24%	20%	16%	30%	28%	22%	17%	11%	10%
25	47%	47%	47%	46%	46%	47%	43%	41%	40%	40%	40%	40%	38%	36%	35%	35%	34%	33%	35%	33%	31%	30%	28%	25%	32%	31%	28%	24%	20%	16%
30	48%	48%	48%	48%	48%	48%	45%	44%	43%	43%	43%	43%	39%	38%	37%	36%	35%	35%	37%	35%	35%	33%	31%	30%	35%	33%	31%	29%	27%	23%
35	49%	49%	49%	49%	49%	49%	46%	46%	45%	45%	45%	45%	42%	41%	39%	39%	38%	39%	39%	37%	36%	35%	35%	34%	36%	35%	34%	31%	30%	28%
40	49%	49%	49%	49%	49%	49%	46%	46%	46%	46%	46%	46%	44%	43%	42%	42%	42%	42%	40%	39%	37%	37%	35%	35%	38%	36%	35%	35%	33%	32%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	48%	50%	52%	54%	55%	56%	54%	56%	57%	58%	58%	58%	56%	58%	58%	58%	59%	59%	57%	58%	59%	59%	59%	59%	58%	59%	59%	59%	59%	59%
10	35%	37%	39%	40%	40%	41%	46%	49%	51%	53%	54%	55%	51%	53%	55%	56%	57%	58%	53%	56%	57%	57%	58%	58%	55%	57%	58%	58%	58%	59%
15	26%	28%	29%	29%	30%	29%	38%	41%	43%	45%	47%	48%	45%	48%	50%	52%	54%	55%	48%	52%	54%	55%	56%	57%	51%	54%	56%	57%	57%	58%
20	21%	22%	23%	23%	23%	22%	32%	34%	36%	38%	39%	40%	39%	42%	45%	47%	49%	50%	44%	47%	50%	52%	54%	55%	47%	50%	53%	55%	56%	57%
25	17%	18%	18%	19%	18%	18%	27%	29%	31%	32%	33%	33%	34%	37%	40%	42%	43%	44%	40%	43%	46%	48%	50%	51%	44%	47%	50%	52%	54%	55%
30	14%	15%	15%	15%	15%	15%	23%	25%	27%	28%	28%	28%	31%	33%	36%	37%	39%	39%	36%	39%	42%	44%	46%	47%	40%	44%	46%	49%	51%	52%
35	12%	13%	13%	13%	13%	12%	21%	22%	23%	24%	25%	24%	27%	30%	32%	33%	34%	35%	33%	36%	38%	40%	42%	43%	37%	40%	43%	45%	47%	49%
40	10%	11%	11%	11%	11%	11%	18%	20%	21%	21%	22%	21%	25%	27%	29%	30%	31%	31%	30%	33%	35%	37%	38%	39%	34%	38%	40%	42%	44%	45%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

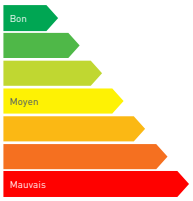
Météo : La Réunion
Orientation : SUD-EST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,45	0,44	0,42	0,40	0,38	0,36	0,36	0,35	0,33	0,32	0,30	0,29	0,33	0,31	0,30	0,29	0,28	0,27	0,31	0,30	0,29	0,28	0,28	0,27	0,30	0,29	0,28	0,28	0,27	0,26
10	0,61	0,60	0,59	0,58	0,58	0,57	0,49	0,47	0,45	0,43	0,40	0,38	0,43	0,40	0,38	0,36	0,34	0,32	0,39	0,37	0,35	0,33	0,32	0,30	0,36	0,34	0,33	0,32	0,30	0,29
15		0,70	0,69	0,69	0,69	0,69	0,58	0,57	0,55	0,54	0,52	0,50	0,51	0,49	0,47	0,44	0,42	0,39	0,46	0,44	0,41	0,39	0,36	0,34	0,42	0,40	0,38	0,36	0,34	0,31
20							0,65	0,64	0,63	0,61	0,60	0,59	0,57	0,56	0,54	0,52	0,49	0,47	0,52	0,50	0,47	0,45	0,42	0,39	0,48	0,45	0,43	0,41	0,38	0,35
25								0,69	0,68	0,67	0,67	0,66	0,63	0,61	0,59	0,58	0,56	0,54	0,57	0,55	0,53	0,51	0,48	0,45	0,52	0,50	0,48	0,45	0,43	0,40
30													0,67	0,66	0,64	0,63	0,61	0,60	0,61	0,59	0,58	0,56	0,53	0,51	0,56	0,54	0,52	0,50	0,47	0,45
35														0,69	0,68	0,67	0,66	0,65	0,65	0,63	0,61	0,60	0,58	0,56	0,60	0,58	0,56	0,54	0,52	0,49
40																	0,69	0,69	0,68	0,66	0,65	0,63	0,62	0,61	0,63	0,61	0,60	0,58	0,56	0,54

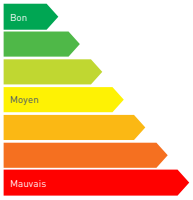
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	39%	40%	41%	43%	44%	45%	44%	45%	46%	47%	47%	48%	46%	47%	47%	48%	48%	48%	47%	47%	48%	48%	48%	48%	47%	48%	48%	48%	48%	49%
10	28%	30%	31%	31%	32%	32%	37%	38%	40%	41%	43%	44%	41%	42%	44%	45%	46%	47%	43%	44%	46%	46%	47%	47%	44%	46%	46%	47%	47%	48%
15	22%	23%	23%	24%	24%	23%	31%	32%	34%	35%	36%	37%	36%	38%	39%	41%	42%	44%	39%	41%	42%	44%	45%	46%	41%	43%	44%	45%	46%	47%
20	18%	18%	19%	19%	19%	18%	26%	27%	29%	30%	30%	31%	32%	33%	35%	37%	38%	39%	35%	37%	39%	41%	42%	43%	38%	40%	42%	43%	44%	45%
25	15%	15%	15%	15%	15%	15%	23%	24%	25%	25%	26%	26%	28%	30%	31%	32%	34%	34%	32%	34%	36%	37%	39%	40%	35%	37%	39%	40%	42%	43%
30	13%	13%	13%	13%	13%	13%	20%	21%	22%	22%	22%	22%	25%	27%	28%	29%	30%	30%	29%	31%	33%	34%	35%	36%	32%	34%	36%	38%	39%	41%
35	11%	11%	11%	11%	11%	11%	18%	18%	19%	19%	20%	20%	23%	24%	25%	26%	27%	27%	27%	28%	30%	31%	32%	33%	30%	32%	34%	35%	36%	38%
40	10%	10%	10%	10%	10%	9%	16%	17%	17%	17%	17%	17%	21%	22%	23%	24%	24%	24%	25%	26%	28%	29%	30%	30%	28%	30%	31%	33%	34%	35%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

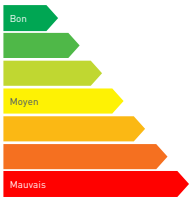
Météo : La Réunion
Orientation : SUD
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,46	0,45	0,43	0,41	0,39	0,37	0,37	0,36	0,34	0,33	0,31	0,29	0,33	0,32	0,31	0,30	0,29	0,28	0,31	0,30	0,30	0,29	0,28	0,27	0,30	0,29	0,29	0,28	0,27	0,27
10	0,62	0,61	0,61	0,60	0,59	0,58	0,50	0,48	0,47	0,45	0,42	0,39	0,43	0,42	0,40	0,38	0,35	0,33	0,39	0,38	0,36	0,34	0,32	0,30	0,37	0,35	0,34	0,32	0,31	0,29
15					0,70	0,70	0,59	0,58	0,57	0,55	0,54	0,52	0,52	0,50	0,48	0,46	0,43	0,40	0,46	0,45	0,43	0,40	0,38	0,35	0,43	0,41	0,39	0,37	0,35	0,32
20							0,66	0,65	0,64	0,63	0,62	0,61	0,58	0,57	0,55	0,54	0,51	0,49	0,53	0,51	0,49	0,47	0,44	0,41	0,48	0,47	0,45	0,42	0,40	0,36
25									0,70	0,69	0,68	0,68	0,64	0,62	0,61	0,60	0,58	0,56	0,58	0,56	0,55	0,53	0,50	0,47	0,53	0,52	0,50	0,47	0,44	0,41
30													0,68	0,67	0,66	0,64	0,63	0,62	0,62	0,61	0,59	0,58	0,56	0,53	0,57	0,56	0,54	0,52	0,49	0,47
35															0,69	0,68	0,67	0,67	0,66	0,65	0,63	0,62	0,60	0,58	0,61	0,60	0,58	0,56	0,54	0,52
40																			0,69	0,68	0,66	0,65	0,64	0,63	0,64	0,63	0,61	0,60	0,58	0,56

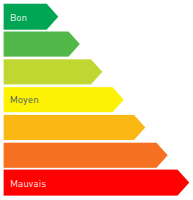
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	30%	31%	32%	33%	33%	34%	35%	35%	36%	37%	37%	38%	36%	37%	37%	38%	38%	39%	37%	38%	38%	38%	39%	39%	38%	38%	38%	39%	39%	39%
10	22%	23%	23%	23%	24%	24%	29%	29%	30%	31%	32%	34%	32%	33%	34%	35%	36%	36%	34%	35%	35%	36%	37%	38%	35%	36%	36%	37%	37%	38%
15	17%	17%	18%	18%	18%	18%	24%	24%	25%	26%	27%	28%	28%	29%	30%	31%	32%	33%	30%	31%	32%	33%	34%	36%	32%	33%	34%	35%	36%	37%
20	14%	14%	14%	14%	14%	14%	20%	21%	21%	22%	22%	23%	24%	25%	26%	27%	28%	29%	27%	28%	29%	30%	32%	33%	29%	30%	31%	33%	34%	35%
25	12%	12%	12%	12%	12%	12%	17%	18%	18%	19%	19%	19%	22%	22%	23%	24%	24%	25%	25%	26%	26%	27%	29%	30%	27%	28%	29%	30%	31%	33%
30	10%	10%	10%	10%	10%	10%	15%	16%	16%	16%	16%	17%	19%	20%	21%	21%	22%	22%	23%	23%	24%	25%	26%	27%	25%	26%	27%	28%	29%	30%
35	9%	9%	9%	9%	9%	9%	14%	14%	14%	14%	15%	15%	18%	18%	19%	19%	19%	20%	21%	21%	22%	23%	23%	24%	23%	24%	25%	26%	27%	28%
40	8%	8%	8%	8%	8%	8%	12%	13%	13%	13%	13%	13%	16%	16%	17%	17%	18%	18%	19%	20%	20%	21%	21%	22%	21%	22%	23%	24%	25%	25%



by B MALET-DAMOUR & G RIVIERE

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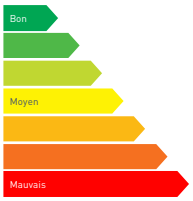
Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,45	0,44	0,43	0,41	0,39	0,37	0,37	0,35	0,34	0,32	0,31	0,29	0,33	0,32	0,31	0,30	0,29	0,28	0,31	0,30	0,29	0,29	0,28	0,27	0,30	0,29	0,28	0,28	0,27	0,27
10	0,62	0,61	0,60	0,59	0,58	0,58	0,49	0,48	0,46	0,44	0,42	0,39	0,43	0,41	0,39	0,37	0,35	0,33	0,39	0,37	0,36	0,34	0,32	0,30	0,36	0,35	0,33	0,32	0,31	0,29
15			0,70	0,70	0,70	0,70	0,59	0,58	0,56	0,55	0,53	0,51	0,51	0,50	0,48	0,45	0,43	0,40	0,46	0,44	0,42	0,40	0,37	0,35	0,42	0,41	0,39	0,37	0,35	0,32
20							0,66	0,65	0,64	0,62	0,61	0,60	0,58	0,56	0,55	0,53	0,51	0,48	0,52	0,50	0,48	0,46	0,43	0,40	0,48	0,46	0,44	0,42	0,39	0,36
25								0,70	0,69	0,68	0,68	0,67	0,63	0,62	0,60	0,59	0,57	0,55	0,57	0,56	0,54	0,52	0,49	0,47	0,53	0,51	0,49	0,47	0,44	0,41
30													0,67	0,66	0,65	0,64	0,63	0,61	0,62	0,60	0,59	0,57	0,55	0,53	0,57	0,55	0,53	0,51	0,49	0,46
35														0,70	0,69	0,68	0,67	0,66	0,65	0,64	0,63	0,61	0,59	0,58	0,61	0,59	0,57	0,55	0,53	0,51
40																		0,70	0,68	0,67	0,66	0,64	0,63	0,62	0,64	0,62	0,61	0,59	0,57	0,55

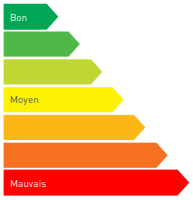
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	34%	35%	36%	37%	38%	39%	38%	40%	40%	41%	41%	42%	40%	41%	42%	42%	42%	43%	41%	42%	42%	42%	43%	43%	42%	42%	42%	43%	43%	43%
10	25%	26%	26%	27%	27%	27%	32%	33%	35%	36%	37%	38%	36%	37%	38%	39%	40%	41%	38%	39%	40%	40%	41%	42%	39%	40%	41%	41%	42%	42%
15	20%	20%	20%	21%	20%	20%	27%	28%	29%	30%	31%	32%	31%	33%	34%	35%	36%	38%	34%	35%	37%	38%	39%	40%	36%	37%	38%	39%	40%	41%
20	16%	16%	16%	16%	16%	16%	23%	24%	25%	25%	26%	26%	28%	29%	30%	31%	32%	33%	31%	32%	34%	35%	36%	37%	33%	35%	36%	37%	38%	39%
25	13%	14%	14%	14%	13%	13%	20%	21%	21%	22%	22%	22%	25%	26%	27%	28%	29%	29%	28%	29%	31%	32%	33%	34%	31%	32%	33%	35%	36%	37%
30	11%	12%	12%	12%	11%	11%	18%	18%	19%	19%	19%	19%	22%	23%	24%	25%	25%	26%	26%	27%	28%	29%	30%	31%	28%	30%	31%	32%	33%	35%
35	10%	10%	10%	10%	10%	10%	16%	16%	17%	17%	17%	17%	20%	21%	22%	22%	23%	23%	24%	25%	26%	27%	27%	28%	26%	28%	29%	30%	31%	32%
40	9%	9%	9%	9%	9%	9%	14%	15%	15%	15%	15%	15%	18%	19%	20%	20%	21%	21%	22%	23%	24%	24%	25%	26%	24%	26%	27%	28%	29%	30%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

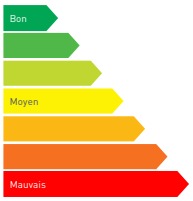
Météo : La Réunion
Orientation : OUEST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,42	0,40	0,37	0,35	0,33	0,32	0,34	0,31	0,30	0,29	0,28	0,27	0,31	0,29	0,28	0,28	0,27	0,26	0,29	0,28	0,27	0,27	0,26	0,26	0,28	0,27	0,27	0,27	0,26	0,26
10	0,59	0,57	0,56	0,54	0,54	0,53	0,46	0,43	0,40	0,37	0,35	0,33	0,39	0,36	0,34	0,32	0,30	0,29	0,35	0,33	0,31	0,30	0,29	0,28	0,33	0,31	0,30	0,29	0,28	0,27
15	0,69	0,68	0,67	0,67	0,66	0,67	0,56	0,53	0,50	0,48	0,46	0,44	0,47	0,44	0,41	0,38	0,36	0,33	0,42	0,38	0,36	0,34	0,32	0,30	0,39	0,35	0,33	0,31	0,30	0,29
20							0,63	0,61	0,59	0,57	0,56	0,55	0,54	0,51	0,48	0,45	0,43	0,41	0,48	0,44	0,41	0,38	0,36	0,34	0,44	0,40	0,37	0,35	0,33	0,31
25							0,69	0,67	0,65	0,64	0,63	0,62	0,60	0,57	0,54	0,52	0,50	0,49	0,54	0,50	0,47	0,44	0,41	0,39	0,49	0,45	0,42	0,39	0,36	0,34
30									0,70	0,69	0,68	0,68	0,65	0,62	0,60	0,58	0,56	0,55	0,58	0,55	0,52	0,49	0,47	0,45	0,53	0,49	0,46	0,43	0,41	0,38
35													0,68	0,66	0,64	0,62	0,61	0,61	0,62	0,59	0,56	0,54	0,52	0,51	0,57	0,53	0,50	0,48	0,45	0,43
40														0,69	0,68	0,66	0,65	0,65	0,65	0,63	0,60	0,58	0,57	0,56	0,60	0,57	0,54	0,52	0,49	0,48

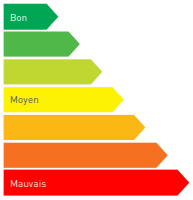
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	20%	15%	12%	9%	3%	2%	7%	2%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	34%	32%	30%	28%	28%	28%	21%	19%	14%	10%	4%	2%	15%	7%	3%	1%	0%	0%	8%	3%	0%	0%	0%	0%	5%	1%	0%	0%	0%	0%
15	39%	38%	38%	38%	38%	38%	30%	27%	24%	22%	20%	19%	23%	19%	15%	11%	4%	2%	19%	12%	5%	2%	1%	0%	13%	6%	2%	1%	0%	0%
20	41%	41%	41%	40%	40%	41%	37%	35%	32%	31%	29%	29%	29%	25%	22%	20%	16%	14%	23%	20%	15%	11%	5%	2%	20%	14%	7%	3%	1%	0%
25	44%	44%	44%	44%	44%	44%	39%	38%	38%	37%	36%	36%	34%	31%	29%	26%	23%	22%	28%	25%	21%	18%	14%	12%	24%	20%	16%	11%	5%	2%
30	46%	46%	46%	46%	46%	47%	41%	40%	39%	38%	38%	38%	38%	35%	33%	32%	30%	30%	33%	29%	26%	23%	21%	19%	28%	24%	21%	17%	13%	11%
35	48%	47%	47%	47%	47%	48%	42%	41%	41%	40%	40%	40%	39%	38%	37%	36%	35%	34%	35%	33%	30%	28%	25%	23%	31%	28%	24%	21%	19%	17%
40	48%	48%	48%	48%	48%	48%	43%	43%	42%	42%	42%	42%	40%	39%	38%	38%	37%	37%	38%	36%	34%	32%	31%	30%	34%	32%	29%	25%	22%	21%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	42%	43%	44%	45%	47%	47%	47%	48%	49%	49%	50%	50%	48%	49%	50%	50%	51%	51%	49%	50%	50%	51%	51%	51%	50%	51%	51%	51%	51%	51%
10	31%	32%	33%	34%	34%	34%	40%	41%	43%	44%	46%	47%	44%	45%	47%	48%	49%	49%	46%	47%	48%	49%	50%	50%	47%	48%	49%	50%	50%	51%
15	24%	24%	25%	25%	25%	25%	33%	35%	37%	38%	39%	40%	39%	41%	42%	44%	45%	47%	42%	44%	45%	47%	48%	49%	44%	46%	47%	48%	49%	50%
20	19%	20%	20%	20%	20%	19%	28%	30%	31%	32%	33%	33%	34%	36%	38%	40%	41%	42%	38%	40%	42%	44%	45%	46%	41%	43%	45%	46%	47%	48%
25	16%	16%	16%	16%	16%	16%	24%	26%	27%	28%	28%	28%	30%	32%	34%	35%	36%	37%	35%	37%	39%	40%	42%	43%	38%	40%	42%	44%	45%	46%
30	13%	14%	14%	14%	14%	13%	21%	22%	23%	24%	24%	24%	27%	29%	30%	32%	32%	33%	32%	34%	36%	37%	38%	39%	35%	37%	39%	41%	42%	44%
35	12%	12%	12%	12%	12%	11%	19%	20%	21%	21%	21%	21%	24%	26%	27%	28%	29%	29%	29%	31%	33%	34%	35%	36%	33%	35%	37%	38%	40%	41%
40	10%	10%	11%	10%	10%	10%	17%	18%	18%	19%	19%	19%	22%	24%	25%	26%	26%	26%	27%	28%	30%	31%	32%	33%	30%	32%	34%	36%	37%	38%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

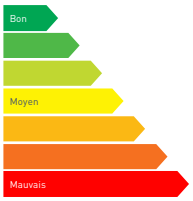
Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,40	0,37	0,34	0,32	0,30	0,29	0,31	0,29	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,26	0,26	0,26	0,28	0,27	0,26	0,26	0,26	0,26	0,27	0,26	0,26	0,26	0,26	0,25
10	0,58	0,55	0,53	0,52	0,51	0,51	0,43	0,39	0,36	0,33	0,31	0,30	0,36	0,33	0,30	0,29	0,28	0,27	0,33	0,30	0,29	0,28	0,27	0,27	0,31	0,29	0,28	0,27	0,27	0,26
15	0,69	0,67	0,66	0,65	0,65	0,66	0,54	0,50	0,46	0,44	0,42	0,40	0,44	0,40	0,36	0,34	0,32	0,30	0,39	0,35	0,32	0,30	0,29	0,28	0,35	0,32	0,30	0,29	0,28	0,27
20							0,62	0,58	0,56	0,54	0,52	0,52	0,52	0,47	0,44	0,41	0,38	0,37	0,45	0,40	0,37	0,34	0,32	0,30	0,40	0,36	0,33	0,31	0,30	0,28
25							0,68	0,65	0,63	0,61	0,60	0,60	0,58	0,54	0,51	0,48	0,46	0,45	0,51	0,46	0,42	0,39	0,37	0,35	0,45	0,40	0,37	0,34	0,32	0,30
30								0,70	0,68	0,67	0,66	0,67	0,63	0,60	0,57	0,54	0,53	0,52	0,56	0,51	0,48	0,45	0,42	0,41	0,50	0,45	0,41	0,38	0,36	0,34
35													0,67	0,64	0,62	0,60	0,59	0,58	0,60	0,56	0,53	0,50	0,48	0,47	0,54	0,50	0,46	0,43	0,40	0,39
40														0,68	0,66	0,64	0,63	0,63	0,64	0,60	0,57	0,55	0,53	0,52	0,58	0,54	0,50	0,47	0,45	0,44

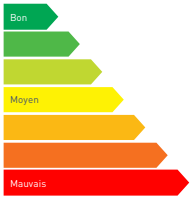
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	50%	46%	43%	36%	29%	23%	36%	26%	17%	16%	15%	14%	26%	16%	16%	14%	14%	12%	19%	16%	14%	14%	12%	12%	14%	16%	12%	14%	12%	12%
10	62%	61%	59%	58%	58%	58%	53%	50%	46%	39%	32%	24%	46%	40%	27%	20%	18%	16%	40%	28%	18%	18%	16%	14%	34%	21%	17%	16%	15%	14%
15	66%	65%	65%	64%	64%	65%	59%	58%	56%	54%	52%	49%	55%	51%	47%	40%	33%	25%	50%	43%	34%	25%	20%	18%	45%	36%	24%	20%	18%	16%
20	70%	70%	70%	70%	70%	70%	63%	62%	61%	60%	59%	59%	59%	57%	55%	52%	48%	46%	56%	52%	47%	41%	34%	25%	52%	47%	38%	28%	21%	19%
25	71%	71%	71%	71%	71%	71%	65%	64%	64%	63%	62%	62%	62%	61%	59%	57%	55%	54%	59%	57%	54%	50%	46%	43%	56%	53%	48%	41%	35%	26%
30	72%	72%	72%	72%	72%	72%	68%	67%	66%	66%	66%	67%	64%	63%	61%	61%	60%	59%	61%	59%	58%	55%	53%	51%	59%	57%	53%	49%	45%	41%
35	73%	73%	73%	73%	73%	73%	70%	69%	68%	68%	68%	68%	65%	64%	64%	63%	62%	62%	62%	61%	60%	59%	57%	55%	61%	58%	57%	54%	51%	48%
40	74%	74%	74%	74%	74%	74%	71%	71%	70%	70%	70%	70%	67%	66%	65%	64%	64%	64%	64%	63%	61%	61%	60%	60%	62%	61%	59%	57%	55%	53%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	46%	48%	49%	50%	51%	52%	51%	52%	53%	54%	54%	55%	53%	54%	54%	55%	55%	55%	54%	55%	55%	55%	55%	55%	54%	55%	55%	55%	55%	56%
10	34%	36%	37%	38%	38%	38%	44%	46%	48%	49%	50%	52%	48%	50%	51%	52%	53%	54%	50%	52%	53%	54%	54%	55%	52%	53%	54%	54%	54%	55%
15	26%	27%	28%	28%	28%	28%	37%	40%	41%	43%	44%	45%	43%	46%	47%	49%	50%	51%	47%	49%	50%	51%	52%	53%	49%	50%	52%	53%	53%	54%
20	21%	22%	22%	22%	22%	21%	32%	34%	35%	36%	37%	37%	39%	41%	43%	44%	46%	47%	43%	45%	47%	49%	50%	51%	46%	48%	49%	51%	52%	53%
25	17%	18%	18%	18%	18%	17%	27%	29%	30%	31%	32%	32%	34%	37%	39%	40%	41%	42%	39%	42%	44%	45%	47%	48%	43%	45%	47%	48%	50%	51%
30	15%	15%	15%	15%	15%	14%	24%	25%	26%	27%	27%	27%	31%	33%	35%	36%	37%	37%	36%	38%	40%	42%	43%	44%	40%	42%	44%	46%	47%	48%
35	13%	13%	13%	13%	13%	12%	21%	22%	23%	24%	24%	23%	28%	30%	31%	32%	33%	33%	33%	35%	37%	39%	40%	40%	37%	39%	41%	43%	44%	46%
40	11%	11%	11%	11%	11%	11%	19%	20%	21%	21%	21%	21%	25%	27%	28%	29%	29%	29%	30%	32%	34%	35%	36%	37%	34%	37%	39%	40%	42%	43%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

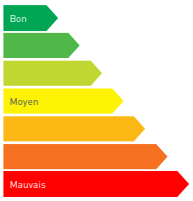
Météo : La Réunion
Orientation : NORD
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,57	0,55	0,54	0,53	0,52	0,52	0,53	0,52	0,51	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,50	0,51	0,51	0,51	0,51	0,50	0,50	0,51	0,51	0,50	0,50	0,50	0,50
10			0,69	0,68	0,68	0,68	0,59	0,56	0,55	0,54	0,53	0,52	0,55	0,53	0,53	0,52	0,51	0,51	0,54	0,52	0,52	0,51	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51
15							0,69	0,66	0,63	0,61	0,59	0,59	0,60	0,57	0,55	0,54	0,53	0,52	0,56	0,54	0,53	0,52	0,52	0,51	0,55	0,53	0,52	0,52	0,51	0,51
20										0,69	0,69	0,68	0,67	0,63	0,60	0,57	0,56	0,55	0,60	0,57	0,55	0,54	0,53	0,52	0,57	0,55	0,54	0,53	0,52	0,52
25														0,69	0,67	0,65	0,63	0,63	0,66	0,62	0,58	0,56	0,55	0,54	0,60	0,57	0,55	0,54	0,53	0,52
30																0,70	0,69	0,68		0,67	0,64	0,61	0,60	0,59	0,65	0,61	0,58	0,56	0,55	0,54
35																					0,68	0,66	0,65	0,64	0,70	0,65	0,62	0,59	0,57	0,57
40																							0,69	0,69		0,69	0,66	0,64	0,62	0,61

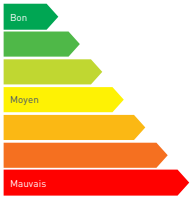
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	87%	86%	85%	84%	84%	84%	84%	84%	83%	83%	83%	83%	84%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%
10	88%	88%	88%	88%	87%	87%	87%	86%	85%	84%	84%	84%	86%	84%	84%	83%	83%	83%	85%	84%	83%	83%	83%	83%	84%	83%	83%	83%	83%	83%
15	89%	89%	89%	89%	89%	89%	88%	88%	87%	87%	87%	86%	87%	87%	85%	85%	84%	84%	87%	85%	84%	84%	83%	83%	85%	84%	84%	83%	83%	83%
20	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	87%	88%	87%	87%	87%	86%	85%	87%	87%	86%	85%	84%	84%	87%	85%	84%	84%	83%	83%
25	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	88%	88%	89%	88%	88%	87%	87%	87%	88%	87%	87%	86%	85%	85%	87%	87%	86%	85%	84%	84%
30	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	87%	88%	88%	87%	87%	87%	86%	88%	87%	87%	86%	85%	85%
35	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	89%	88%	88%	87%	87%	87%	88%	88%	87%	87%	86%	86%
40	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	87%	89%	88%	88%	87%	87%	87%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	36%	37%	37%	38%	39%	39%	39%	40%	40%	41%	41%	41%	40%	41%	41%	41%	41%	42%	40%	41%	41%	41%	42%	42%	41%	41%	42%	42%	42%	42%
10	26%	27%	28%	28%	29%	29%	34%	36%	36%	37%	38%	39%	37%	38%	39%	40%	40%	41%	38%	39%	40%	40%	41%	41%	39%	40%	41%	41%	41%	41%
15	19%	20%	20%	21%	21%	20%	28%	30%	32%	33%	34%	34%	34%	35%	36%	37%	38%	39%	36%	37%	38%	39%	39%	40%	37%	38%	39%	40%	40%	41%
20	15%	16%	16%	16%	16%	15%	24%	25%	26%	27%	28%	28%	30%	32%	33%	34%	35%	36%	33%	35%	36%	37%	38%	39%	35%	36%	37%	38%	39%	40%
25	12%	13%	13%	13%	12%	12%	20%	21%	22%	23%	23%	23%	26%	28%	29%	31%	31%	32%	30%	32%	34%	35%	36%	36%	33%	35%	36%	37%	38%	38%
30	10%	10%	11%	11%	10%	10%	17%	18%	19%	20%	20%	20%	23%	25%	26%	27%	28%	28%	27%	29%	31%	32%	33%	34%	31%	33%	34%	35%	36%	37%
35	9%	9%	9%	9%	9%	8%	15%	16%	17%	17%	17%	17%	20%	22%	23%	24%	24%	24%	25%	27%	28%	29%	30%	31%	28%	30%	32%	33%	34%	35%
40	7%	8%	8%	8%	7%	7%	13%	14%	15%	15%	15%	15%	18%	20%	21%	21%	22%	22%	23%	24%	26%	27%	27%	28%	26%	28%	30%	31%	32%	32%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

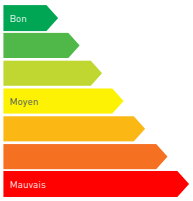
Météo : La Réunion
Orientation : NORD-EST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,59	0,57	0,55	0,54	0,52	0,55	0,53	0,52	0,51	0,51	0,51	0,53	0,51	0,51	0,51	0,51	0,50	0,52	0,51	0,51	0,51	0,50	0,50	0,52	0,51	0,51	0,50	0,50	0,50
10				0,70	0,69	0,69	0,65	0,61	0,58	0,56	0,54	0,53	0,59	0,56	0,53	0,52	0,52	0,51	0,56	0,53	0,52	0,51	0,51	0,51	0,55	0,52	0,51	0,51	0,51	0,51
15								0,69	0,66	0,64	0,62	0,61	0,66	0,62	0,59	0,56	0,54	0,53	0,61	0,57	0,55	0,53	0,52	0,51	0,59	0,55	0,53	0,52	0,51	0,51
20											0,70	0,69		0,67	0,64	0,62	0,60	0,58	0,66	0,62	0,59	0,56	0,54	0,53	0,63	0,59	0,56	0,54	0,52	0,52
25															0,69	0,67	0,65	0,64		0,66	0,63	0,61	0,59	0,57	0,67	0,62	0,59	0,56	0,55	0,53
30																		0,70			0,67	0,65	0,63	0,62	0,70	0,66	0,63	0,60	0,58	0,56
35																						0,69	0,67	0,66		0,69	0,66	0,63	0,61	0,60
40																								0,70			0,69	0,67	0,65	0,64

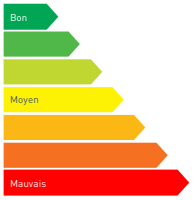
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	77%	77%	76%	75%	75%	74%	75%	74%	72%	72%	72%	72%	74%	72%	72%	72%	72%	72%	73%	72%	72%	72%	72%	71%	72%	72%	72%	72%	71%	71%
10	80%	79%	79%	79%	79%	78%	78%	78%	77%	76%	75%	74%	77%	76%	74%	73%	72%	72%	76%	75%	72%	72%	72%	72%	75%	72%	72%	72%	72%	72%
15	81%	81%	81%	81%	80%	80%	79%	79%	78%	78%	78%	77%	78%	78%	77%	76%	75%	74%	78%	77%	76%	74%	72%	72%	77%	76%	74%	72%	72%	72%
20	82%	82%	82%	82%	82%	82%	80%	80%	80%	79%	79%	79%	79%	79%	78%	78%	77%	77%	78%	78%	77%	76%	75%	74%	78%	77%	76%	75%	73%	72%
25	83%	83%	83%	83%	83%	83%	81%	81%	81%	80%	80%	80%	80%	80%	79%	79%	78%	78%	79%	78%	78%	78%	77%	76%	78%	78%	77%	76%	75%	74%
30	83%	83%	83%	83%	83%	83%	82%	82%	82%	81%	81%	81%	81%	80%	80%	80%	79%	79%	80%	79%	79%	78%	78%	77%	79%	78%	78%	77%	77%	76%
35	83%	83%	83%	83%	83%	83%	82%	82%	82%	82%	82%	82%	81%	81%	80%	80%	80%	80%	80%	80%	80%	79%	79%	78%	80%	79%	78%	78%	78%	77%
40	83%	83%	83%	83%	83%	84%	83%	82%	82%	82%	82%	82%	82%	82%	81%	81%	80%	80%	81%	80%	80%	80%	79%	79%	80%	80%	79%	79%	78%	78%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	35%	37%	39%	40%	41%	42%	40%	42%	43%	43%	43%	43%	42%	43%	43%	43%	44%	44%	43%	43%	44%	44%	44%	44%	43%	44%	44%	44%	44%	44%
10	25%	27%	28%	29%	29%	29%	34%	36%	38%	39%	40%	41%	38%	40%	41%	42%	42%	43%	39%	41%	42%	43%	43%	43%	41%	42%	43%	43%	43%	44%
15	18%	20%	20%	21%	21%	20%	28%	30%	32%	33%	34%	35%	33%	35%	37%	39%	40%	41%	36%	38%	40%	41%	42%	42%	38%	40%	41%	42%	43%	43%
20	14%	15%	16%	16%	16%	15%	23%	25%	26%	27%	28%	28%	29%	31%	33%	35%	36%	37%	32%	35%	37%	39%	40%	41%	35%	37%	39%	41%	41%	42%
25	12%	12%	12%	13%	12%	12%	19%	21%	22%	23%	23%	23%	25%	27%	29%	31%	32%	32%	29%	32%	34%	36%	37%	38%	32%	35%	37%	38%	40%	41%
30	10%	10%	10%	10%	10%	10%	16%	18%	19%	19%	20%	20%	22%	24%	26%	27%	28%	28%	26%	29%	31%	32%	34%	35%	29%	32%	34%	36%	37%	39%
35	8%	8%	9%	9%	8%	8%	14%	15%	16%	17%	17%	17%	19%	21%	23%	24%	24%	25%	24%	26%	28%	29%	30%	31%	27%	30%	32%	33%	35%	36%
40	7%	7%	7%	7%	7%	7%	12%	14%	14%	15%	15%	15%	17%	19%	20%	21%	22%	22%	21%	24%	25%	27%	28%	28%	25%	27%	29%	31%	32%	33%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

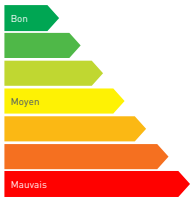
Météo : La Réunion
Orientation : EST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,63	0,61	0,58	0,56	0,55	0,54	0,56	0,54	0,52	0,52	0,51	0,51	0,54	0,52	0,51	0,51	0,51	0,51	0,53	0,51	0,51	0,51	0,51	0,50	0,52	0,51	0,51	0,51	0,51	0,50
10					0,70	0,69	0,66	0,62	0,60	0,57	0,56	0,54	0,61	0,57	0,55	0,53	0,52	0,52	0,58	0,55	0,53	0,52	0,52	0,51	0,56	0,53	0,52	0,52	0,51	0,51
15								0,70	0,68	0,66	0,64	0,63	0,67	0,63	0,60	0,58	0,56	0,54	0,63	0,59	0,56	0,54	0,53	0,52	0,60	0,57	0,54	0,53	0,52	0,52
20														0,69	0,66	0,64	0,62	0,60	0,67	0,64	0,61	0,58	0,56	0,55	0,64	0,60	0,57	0,55	0,54	0,53
25																0,69	0,67	0,66		0,68	0,65	0,62	0,60	0,59	0,68	0,64	0,61	0,58	0,56	0,55
30																					0,69	0,66	0,65	0,63		0,67	0,64	0,62	0,60	0,58
35																						0,70	0,68	0,67			0,68	0,65	0,63	0,62
40																												0,68	0,66	0,65

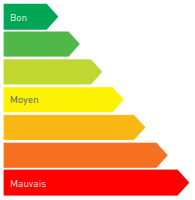
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	58%	58%	57%	56%	54%	54%	55%	53%	53%	52%	52%	51%	53%	52%	52%	52%	51%	51%	51%	52%	51%	51%	51%	50%	50%	52%	51%	51%	50%	50%
10	63%	63%	62%	62%	61%	61%	60%	59%	58%	57%	56%	54%	58%	57%	54%	54%	53%	52%	56%	54%	53%	53%	52%	52%	55%	53%	53%	52%	52%	51%
15	66%	65%	65%	65%	65%	65%	62%	62%	61%	61%	60%	60%	60%	60%	59%	57%	56%	55%	59%	58%	56%	55%	54%	53%	57%	56%	54%	53%	53%	52%
20	67%	67%	67%	67%	67%	67%	64%	64%	63%	63%	62%	62%	62%	61%	61%	60%	60%	59%	60%	60%	59%	58%	56%	55%	60%	59%	57%	56%	54%	53%
25	68%	68%	68%	68%	68%	68%	66%	65%	65%	65%	64%	64%	63%	63%	62%	62%	61%	61%	62%	61%	60%	60%	59%	58%	61%	60%	59%	58%	57%	55%
30	69%	69%	69%	69%	69%	69%	67%	66%	66%	66%	66%	66%	64%	64%	64%	63%	63%	62%	63%	63%	62%	61%	60%	60%	62%	61%	60%	60%	59%	57%
35	69%	69%	69%	69%	69%	69%	68%	67%	67%	67%	67%	66%	66%	65%	65%	64%	64%	64%	64%	64%	63%	62%	62%	61%	63%	62%	61%	61%	60%	59%
40	70%	70%	70%	70%	70%	70%	68%	68%	68%	68%	67%	67%	66%	66%	66%	66%	65%	65%	65%	64%	64%	63%	63%	62%	64%	63%	62%	62%	61%	61%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	34%	36%	37%	38%	39%	40%	39%	40%	41%	42%	42%	42%	40%	42%	42%	42%	43%	43%	41%	42%	42%	43%	43%	43%	42%	43%	43%	43%	43%	43%
10	24%	25%	26%	27%	28%	28%	32%	34%	36%	38%	39%	40%	36%	38%	40%	41%	41%	42%	38%	40%	41%	42%	42%	42%	39%	41%	42%	42%	42%	43%
15	18%	19%	20%	20%	20%	20%	26%	28%	30%	31%	33%	33%	31%	34%	36%	37%	39%	40%	34%	37%	39%	40%	41%	41%	36%	39%	40%	41%	41%	42%
20	14%	15%	15%	15%	15%	15%	22%	23%	25%	26%	27%	27%	27%	29%	31%	33%	34%	35%	31%	33%	35%	37%	38%	40%	33%	36%	38%	39%	40%	41%
25	11%	12%	12%	12%	12%	12%	18%	20%	21%	22%	22%	23%	23%	26%	28%	29%	30%	31%	27%	30%	32%	34%	35%	36%	30%	33%	35%	37%	38%	39%
30	9%	10%	10%	10%	10%	10%	16%	17%	18%	19%	19%	19%	21%	23%	24%	26%	26%	27%	25%	27%	29%	31%	32%	33%	28%	30%	33%	34%	36%	37%
35	8%	8%	8%	8%	8%	8%	14%	15%	16%	16%	16%	16%	18%	20%	22%	23%	23%	24%	22%	24%	26%	28%	29%	30%	25%	28%	30%	32%	33%	34%
40	7%	7%	7%	7%	7%	7%	12%	13%	14%	14%	14%	14%	16%	18%	19%	20%	21%	21%	20%	22%	24%	25%	26%	27%	23%	26%	28%	29%	31%	32%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

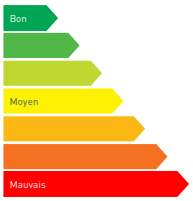
Météo : La Réunion
Orientation : SUD-EST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,63	0,62	0,61	0,60	0,59	0,57	0,58	0,56	0,55	0,54	0,54	0,53	0,55	0,54	0,54	0,53	0,52	0,52	0,54	0,53	0,53	0,52	0,52	0,51	0,53	0,52	0,52	0,52	0,51	0,51
10							0,66	0,65	0,63	0,62	0,60	0,59	0,62	0,60	0,59	0,58	0,56	0,55	0,59	0,58	0,57	0,55	0,54	0,53	0,57	0,56	0,55	0,54	0,53	0,52
15										0,69	0,68	0,67	0,67	0,66	0,64	0,63	0,61	0,59	0,64	0,62	0,61	0,59	0,58	0,56	0,61	0,60	0,59	0,57	0,56	0,54
20															0,69	0,68	0,66	0,65	0,68	0,66	0,65	0,63	0,61	0,59	0,65	0,64	0,62	0,60	0,59	0,57
25																		0,70		0,70	0,69	0,67	0,65	0,64	0,68	0,67	0,65	0,64	0,62	0,60
30																							0,69	0,68		0,70	0,68	0,67	0,65	0,63
35																												0,69	0,68	0,66
40																														0,69

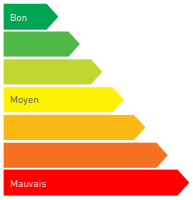
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	40%	40%	40%	40%	40%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	41%	41%	41%	41%	41%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	41%	41%	41%	41%	41%	41%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	42%	42%	42%	42%	42%	42%	40%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	27%	28%	29%	30%	31%	31%	31%	32%	32%	33%	33%	34%	32%	33%	33%	33%	34%	34%	33%	33%	34%	34%	34%	34%	33%	34%	34%	34%	34%	34%
10	19%	20%	21%	21%	22%	22%	25%	27%	28%	29%	30%	31%	28%	30%	31%	32%	32%	33%	30%	31%	32%	33%	33%	33%	31%	32%	33%	33%	33%	34%
15	15%	15%	16%	16%	16%	16%	21%	22%	23%	24%	25%	26%	25%	26%	27%	29%	30%	31%	27%	28%	30%	31%	32%	32%	29%	30%	31%	32%	32%	33%
20	12%	12%	13%	13%	13%	12%	18%	19%	20%	20%	21%	21%	22%	23%	24%	25%	26%	27%	24%	26%	27%	28%	29%	30%	26%	28%	29%	30%	31%	32%
25	10%	10%	10%	10%	10%	10%	15%	16%	17%	17%	18%	18%	19%	20%	21%	22%	23%	24%	22%	23%	25%	26%	27%	28%	24%	26%	27%	28%	29%	30%
30	8%	9%	9%	9%	9%	8%	13%	14%	15%	15%	15%	15%	17%	18%	19%	20%	20%	21%	20%	21%	23%	24%	24%	25%	22%	24%	25%	26%	27%	28%
35	7%	7%	7%	7%	7%	7%	12%	12%	13%	13%	13%	13%	15%	16%	17%	18%	18%	18%	18%	19%	21%	21%	22%	23%	21%	22%	23%	24%	25%	26%
40	6%	6%	6%	6%	6%	6%	10%	11%	11%	12%	12%	12%	14%	15%	15%	16%	16%	16%	17%	18%	19%	20%	20%	21%	19%	20%	21%	23%	23%	24%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : SUD
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,64	0,63	0,62	0,61	0,60	0,58	0,58	0,57	0,56	0,55	0,54	0,53	0,55	0,55	0,54	0,53	0,53	0,52	0,54	0,53	0,53	0,53	0,52	0,51	0,53	0,53	0,52	0,52	0,52	0,51
10							0,67	0,66	0,64	0,63	0,61	0,60	0,62	0,61	0,60	0,58	0,57	0,55	0,59	0,58	0,57	0,56	0,55	0,54	0,58	0,57	0,56	0,55	0,54	0,53
15											0,69	0,68	0,68	0,67	0,66	0,64	0,62	0,60	0,64	0,63	0,62	0,60	0,59	0,57	0,62	0,61	0,59	0,58	0,57	0,55
20																0,69	0,68	0,66	0,68	0,67	0,66	0,65	0,63	0,61	0,66	0,65	0,63	0,62	0,60	0,58
25																					0,70	0,68	0,67	0,65	0,69	0,68	0,66	0,65	0,63	0,61
30																								0,69			0,69	0,68	0,66	0,64
35																													0,69	0,68
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	21%	21%	22%	22%	23%	24%	24%	24%	25%	25%	26%	26%	25%	26%	26%	26%	26%	27%	26%	26%	26%	27%	27%	27%	26%	26%	27%	27%	27%	27%
10	15%	15%	16%	16%	16%	16%	20%	20%	21%	21%	22%	23%	22%	23%	23%	24%	25%	25%	23%	24%	24%	25%	25%	26%	24%	25%	25%	26%	26%	26%
15	12%	12%	12%	12%	12%	12%	16%	17%	17%	18%	18%	19%	19%	20%	20%	21%	22%	23%	21%	21%	22%	23%	24%	25%	22%	23%	23%	24%	25%	25%
20	9%	9%	10%	10%	9%	9%	14%	14%	14%	15%	15%	15%	17%	17%	18%	18%	19%	20%	19%	19%	20%	21%	22%	23%	20%	21%	22%	22%	23%	24%
25	8%	8%	8%	8%	8%	8%	12%	12%	12%	13%	13%	13%	15%	15%	16%	16%	17%	17%	17%	17%	18%	19%	19%	20%	19%	19%	20%	21%	22%	22%
30	7%	7%	7%	7%	7%	6%	10%	11%	11%	11%	11%	11%	13%	13%	14%	14%	15%	15%	15%	16%	16%	17%	18%	18%	17%	18%	18%	19%	20%	21%
35	6%	6%	6%	6%	6%	5%	9%	9%	10%	10%	10%	10%	12%	12%	13%	13%	13%	13%	14%	14%	15%	15%	16%	16%	16%	16%	17%	17%	18%	19%
40	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	11%	11%	11%	12%	12%	12%	13%	13%	14%	14%	14%	15%	14%	15%	16%	16%	17%	17%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

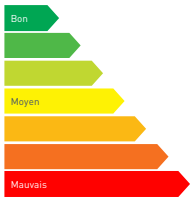
Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,64	0,63	0,62	0,61	0,59	0,58	0,58	0,57	0,56	0,55	0,54	0,53	0,55	0,55	0,54	0,53	0,53	0,52	0,54	0,53	0,53	0,52	0,52	0,51	0,53	0,53	0,52	0,52	0,52	0,51
10							0,66	0,65	0,64	0,63	0,61	0,59	0,62	0,61	0,60	0,58	0,57	0,55	0,59	0,58	0,57	0,56	0,55	0,53	0,58	0,57	0,56	0,55	0,54	0,53
15										0,70	0,69	0,67	0,67	0,66	0,65	0,64	0,62	0,60	0,64	0,63	0,62	0,60	0,58	0,56	0,62	0,61	0,59	0,58	0,56	0,55
20															0,70	0,69	0,67	0,65	0,68	0,67	0,66	0,64	0,62	0,60	0,65	0,64	0,63	0,61	0,59	0,57
25																					0,69	0,68	0,66	0,65	0,69	0,67	0,66	0,64	0,63	0,60
30																							0,70	0,68			0,69	0,68	0,66	0,64
35																													0,69	0,67
40																														

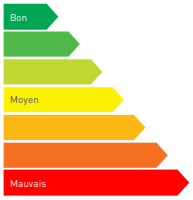
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	37%	37%	37%	37%	37%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	38%	38%	38%	38%	38%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	23%	24%	25%	25%	26%	27%	27%	27%	28%	28%	29%	29%	28%	29%	29%	29%	29%	30%	29%	29%	29%	29%	30%	30%	29%	29%	30%	30%	30%	30%
10	17%	18%	18%	18%	19%	19%	22%	23%	24%	25%	25%	26%	25%	25%	26%	27%	28%	28%	26%	27%	28%	28%	29%	29%	27%	28%	28%	29%	29%	29%
15	13%	13%	14%	14%	14%	14%	18%	19%	20%	21%	21%	22%	22%	22%	23%	24%	25%	26%	23%	24%	25%	26%	27%	28%	25%	26%	27%	27%	28%	29%
20	11%	11%	11%	11%	11%	11%	16%	16%	17%	17%	18%	18%	19%	20%	21%	21%	22%	23%	21%	22%	23%	24%	25%	26%	23%	24%	25%	26%	27%	27%
25	9%	9%	9%	9%	9%	9%	13%	14%	14%	15%	15%	15%	17%	18%	18%	19%	20%	20%	19%	20%	21%	22%	23%	24%	21%	22%	23%	24%	25%	26%
30	7%	8%	8%	8%	7%	7%	12%	12%	13%	13%	13%	13%	15%	16%	16%	17%	17%	18%	17%	18%	19%	20%	21%	21%	19%	20%	21%	22%	23%	24%
35	6%	7%	7%	7%	6%	6%	10%	11%	11%	11%	11%	11%	13%	14%	15%	15%	15%	16%	16%	17%	17%	18%	19%	19%	18%	19%	20%	20%	21%	22%
40	6%	6%	6%	6%	6%	5%	9%	10%	10%	10%	10%	10%	12%	13%	13%	14%	14%	14%	15%	15%	16%	17%	17%	17%	17%	17%	18%	19%	20%	20%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

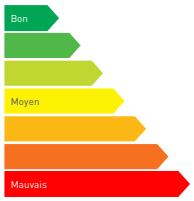
Météo : La Réunion
Orientation : OUEST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,58	0,57	0,56	0,55	0,56	0,54	0,53	0,53	0,52	0,52	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,51
10				0,70	0,69	0,69	0,64	0,62	0,60	0,58	0,57	0,55	0,59	0,57	0,56	0,55	0,54	0,53	0,57	0,55	0,54	0,53	0,53	0,52	0,56	0,54	0,53	0,53	0,52	0,51
15								0,69	0,67	0,65	0,64	0,63	0,65	0,63	0,60	0,59	0,57	0,56	0,61	0,59	0,57	0,56	0,55	0,53	0,59	0,57	0,55	0,54	0,53	0,53
20												0,70	0,70	0,67	0,65	0,64	0,62	0,61	0,65	0,63	0,61	0,59	0,57	0,56	0,63	0,60	0,58	0,57	0,55	0,54
25															0,70	0,68	0,67	0,66	0,69	0,67	0,65	0,63	0,61	0,59	0,66	0,63	0,61	0,59	0,58	0,56
30																				0,70	0,68	0,66	0,65	0,64	0,69	0,66	0,64	0,62	0,60	0,59
35																						0,69	0,68	0,67		0,69	0,67	0,65	0,63	0,62
40																											0,69	0,68	0,66	0,65

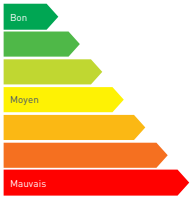
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	54%	53%	52%	51%	50%	49%	50%	49%	48%	48%	47%	47%	48%	47%	47%	47%	47%	46%	47%	47%	47%	47%	46%	46%	46%	47%	46%	47%	46%	46%
10	60%	60%	59%	59%	58%	58%	55%	55%	54%	52%	51%	50%	52%	52%	50%	49%	48%	48%	51%	50%	48%	48%	48%	47%	50%	48%	48%	48%	47%	47%
15	63%	63%	63%	63%	62%	62%	59%	59%	58%	57%	56%	55%	56%	55%	54%	53%	51%	50%	54%	53%	51%	50%	49%	48%	52%	51%	49%	49%	48%	48%
20	65%	65%	64%	64%	64%	64%	62%	61%	61%	60%	60%	59%	59%	58%	57%	57%	55%	54%	56%	56%	55%	53%	52%	50%	55%	54%	52%	51%	49%	49%
25	66%	66%	66%	66%	66%	66%	63%	63%	62%	62%	62%	62%	61%	61%	60%	59%	58%	57%	58%	58%	57%	56%	55%	53%	57%	56%	55%	54%	52%	50%
30	67%	67%	67%	67%	67%	67%	64%	64%	64%	63%	63%	63%	62%	62%	62%	61%	60%	60%	60%	60%	59%	58%	57%	56%	58%	58%	57%	56%	54%	53%
35	67%	67%	67%	67%	67%	67%	65%	65%	65%	64%	64%	64%	63%	63%	63%	62%	62%	62%	62%	61%	61%	60%	59%	58%	60%	60%	58%	57%	56%	55%
40	68%	68%	68%	68%	68%	68%	66%	66%	66%	66%	66%	65%	64%	64%	63%	63%	63%	63%	62%	62%	62%	61%	61%	60%	61%	61%	60%	59%	58%	57%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	29%	30%	31%	32%	33%	33%	32%	34%	34%	35%	35%	35%	34%	35%	35%	35%	36%	36%	35%	35%	36%	36%	36%	36%	35%	36%	36%	36%	36%	36%
10	21%	22%	22%	23%	23%	23%	27%	29%	30%	31%	32%	33%	30%	32%	33%	34%	34%	35%	32%	33%	34%	35%	35%	35%	33%	34%	35%	35%	35%	36%
15	16%	16%	17%	17%	17%	17%	23%	24%	25%	26%	27%	28%	27%	28%	29%	31%	32%	33%	29%	30%	32%	33%	34%	34%	30%	32%	33%	34%	34%	35%
20	12%	13%	13%	13%	13%	13%	19%	20%	21%	22%	22%	23%	23%	25%	26%	27%	28%	29%	26%	28%	29%	30%	31%	32%	28%	30%	31%	32%	33%	34%
25	10%	11%	11%	11%	11%	10%	16%	17%	18%	19%	19%	19%	20%	22%	23%	24%	25%	25%	24%	25%	27%	28%	29%	30%	26%	28%	29%	30%	31%	32%
30	9%	9%	9%	9%	9%	9%	14%	15%	16%	16%	16%	16%	18%	19%	21%	21%	22%	22%	21%	23%	24%	25%	26%	27%	24%	25%	27%	28%	29%	30%
35	7%	8%	8%	8%	8%	7%	12%	13%	14%	14%	14%	14%	16%	17%	18%	19%	20%	20%	20%	21%	22%	23%	24%	24%	22%	24%	25%	26%	27%	28%
40	6%	7%	7%	7%	7%	6%	11%	12%	12%	12%	12%	12%	15%	16%	17%	17%	17%	18%	18%	19%	20%	21%	22%	22%	20%	22%	23%	24%	25%	26%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

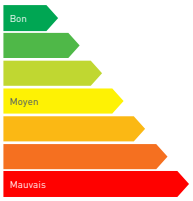
Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,60	0,58	0,56	0,55	0,54	0,53	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,50	0,52	0,51	0,51	0,51	0,50	0,50
10			0,69	0,68	0,67	0,67	0,62	0,59	0,57	0,55	0,54	0,53	0,57	0,55	0,54	0,53	0,52	0,52	0,55	0,53	0,52	0,52	0,52	0,51	0,54	0,52	0,52	0,51	0,51	0,51
15							0,69	0,66	0,64	0,62	0,61	0,60	0,63	0,60	0,58	0,56	0,55	0,53	0,59	0,56	0,55	0,53	0,53	0,52	0,57	0,55	0,53	0,53	0,52	0,51
20										0,69	0,68	0,68	0,68	0,65	0,62	0,60	0,59	0,58	0,63	0,60	0,58	0,56	0,55	0,54	0,60	0,57	0,55	0,54	0,53	0,52
25														0,69	0,67	0,65	0,64	0,63	0,67	0,64	0,61	0,59	0,58	0,57	0,63	0,60	0,58	0,56	0,55	0,54
30																0,70	0,69	0,68		0,68	0,65	0,63	0,62	0,61	0,67	0,63	0,61	0,59	0,57	0,56
35																					0,68	0,67	0,65	0,65	0,69	0,66	0,64	0,62	0,60	0,59
40																						0,70	0,69	0,68		0,69	0,67	0,65	0,63	0,62

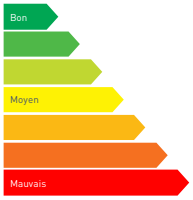
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	75%	74%	73%	72%	72%	71%	73%	71%	69%	69%	68%	68%	71%	69%	69%	68%	68%	68%	69%	69%	68%	68%	68%	68%	68%	69%	68%	68%	68%	68%
10	78%	78%	77%	77%	77%	76%	76%	75%	74%	73%	72%	71%	74%	73%	72%	70%	69%	69%	73%	72%	69%	69%	69%	68%	73%	70%	69%	69%	68%	68%
15	80%	79%	79%	79%	79%	79%	78%	77%	76%	76%	75%	75%	76%	75%	74%	73%	72%	71%	75%	74%	73%	71%	70%	69%	74%	73%	71%	70%	69%	69%
20	81%	80%	80%	80%	80%	80%	79%	79%	78%	78%	77%	77%	77%	77%	76%	76%	75%	74%	76%	76%	75%	73%	72%	71%	76%	75%	73%	72%	70%	69%
25	81%	81%	81%	81%	81%	81%	80%	79%	79%	79%	79%	78%	79%	78%	77%	77%	76%	76%	77%	77%	76%	75%	74%	73%	76%	76%	75%	73%	72%	71%
30	81%	81%	81%	81%	81%	81%	80%	80%	80%	80%	80%	80%	79%	79%	78%	78%	77%	77%	78%	78%	77%	76%	76%	75%	77%	77%	76%	75%	74%	73%
35	82%	82%	82%	82%	82%	82%	81%	81%	80%	80%	80%	80%	80%	79%	79%	79%	78%	78%	79%	78%	78%	77%	77%	76%	78%	77%	77%	76%	75%	75%
40	82%	82%	82%	82%	82%	82%	81%	81%	81%	81%	81%	80%	80%	80%	80%	79%	79%	79%	79%	79%	79%	78%	77%	77%	79%	78%	77%	77%	76%	76%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	32%	33%	34%	35%	36%	36%	36%	37%	37%	38%	38%	38%	37%	38%	38%	38%	39%	39%	38%	38%	39%	39%	39%	39%	38%	39%	39%	39%	39%	39%
10	23%	24%	25%	26%	26%	26%	30%	32%	33%	34%	35%	36%	33%	35%	36%	37%	37%	38%	35%	36%	37%	38%	38%	38%	36%	37%	38%	38%	38%	39%
15	17%	18%	19%	19%	19%	19%	25%	27%	28%	29%	30%	31%	30%	31%	33%	34%	35%	36%	32%	34%	35%	36%	37%	37%	34%	35%	36%	37%	37%	38%
20	14%	14%	15%	15%	15%	14%	21%	23%	24%	25%	25%	25%	26%	28%	29%	30%	31%	32%	29%	31%	32%	34%	35%	36%	31%	33%	34%	35%	36%	37%
25	11%	12%	12%	12%	12%	11%	18%	19%	20%	21%	21%	21%	23%	25%	26%	27%	28%	29%	27%	28%	30%	31%	32%	33%	29%	31%	32%	33%	35%	35%
30	9%	10%	10%	10%	10%	9%	16%	17%	18%	18%	18%	18%	21%	22%	23%	24%	25%	25%	24%	26%	27%	29%	30%	30%	27%	29%	30%	31%	33%	34%
35	8%	8%	8%	8%	8%	8%	14%	15%	15%	16%	16%	15%	18%	20%	21%	22%	22%	22%	22%	24%	25%	26%	27%	27%	25%	27%	28%	29%	31%	31%
40	7%	7%	7%	7%	7%	7%	12%	13%	14%	14%	14%	14%	17%	18%	19%	19%	20%	20%	20%	22%	23%	24%	25%	25%	23%	25%	26%	27%	28%	29%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

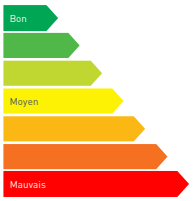
Météo : La Réunion
Orientation : NORD
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

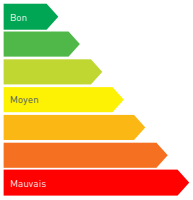
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	95%	95%	95%	95%	94%	94%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
10	96%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	95%	95%	94%	94%	94%	94%	95%	94%	94%	94%	94%	94%	95%	94%	94%	94%	94%	94%
15	96%	96%	96%	96%	96%	96%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	95%	95%	95%	94%	94%	94%	95%	95%	94%	94%	94%	94%
20	96%	96%	96%	96%	96%	96%	96%	96%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	95%	95%	95%	94%	94%	94%
25	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	95%	96%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%
30	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	95%	95%	95%	95%	96%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
35	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	95%	95%	96%	96%	95%	95%	95%	95%	96%	95%	95%	95%	95%	95%
40	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	95%	95%	95%	96%	95%	95%	95%	95%	95%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	19%	19%	20%	20%	20%	21%	20%	21%	21%	22%	22%	22%	21%	22%	22%	22%	22%	22%	21%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%
10	13%	14%	14%	15%	15%	15%	18%	19%	19%	20%	20%	21%	19%	20%	21%	21%	21%	21%	20%	21%	21%	21%	22%	22%	21%	21%	21%	22%	22%	22%
15	10%	10%	10%	11%	10%	10%	15%	16%	17%	17%	18%	18%	18%	18%	19%	20%	20%	20%	19%	20%	20%	21%	21%	21%	20%	20%	21%	21%	21%	22%
20	8%	8%	8%	8%	8%	8%	12%	13%	14%	14%	14%	15%	15%	17%	17%	18%	18%	19%	17%	18%	19%	19%	20%	20%	18%	19%	20%	20%	21%	21%
25	6%	6%	6%	6%	6%	6%	10%	11%	11%	12%	12%	12%	13%	14%	15%	16%	16%	17%	16%	17%	18%	18%	19%	19%	17%	18%	19%	19%	20%	20%
30	5%	5%	5%	5%	5%	5%	9%	9%	10%	10%	10%	10%	12%	13%	13%	14%	14%	14%	14%	15%	16%	17%	17%	18%	16%	17%	18%	18%	19%	19%
35	4%	4%	4%	4%	4%	4%	8%	8%	8%	9%	9%	9%	10%	11%	12%	12%	13%	13%	13%	14%	15%	15%	16%	16%	15%	16%	17%	17%	18%	18%
40	4%	4%	4%	4%	4%	3%	7%	7%	7%	8%	8%	7%	9%	10%	11%	11%	11%	11%	12%	13%	13%	14%	14%	14%	13%	15%	15%	16%	17%	17%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : NORD-EST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%
10	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	93%	93%	92%	92%	92%	92%	93%	92%	92%	92%	92%	92%
15	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	93%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	93%	93%	93%	92%	92%	92%
20	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	94%	94%	93%	93%	93%	93%	94%	93%	93%	93%	93%	92%
25	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	94%	94%	93%	93%	93%	93%
30	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%
35	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%
40	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	19%	20%	20%	21%	22%	22%	21%	22%	23%	23%	23%	23%	22%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%
10	13%	14%	14%	15%	15%	15%	18%	19%	20%	21%	21%	22%	20%	21%	22%	22%	23%	23%	21%	22%	22%	23%	23%	23%	22%	22%	23%	23%	23%	23%
15	9%	10%	10%	11%	11%	10%	14%	15%	16%	17%	18%	18%	17%	18%	20%	20%	21%	22%	19%	20%	21%	22%	22%	23%	20%	21%	22%	22%	23%	23%
20	7%	8%	8%	8%	8%	8%	12%	13%	14%	14%	15%	15%	15%	16%	17%	18%	19%	19%	17%	18%	19%	20%	21%	22%	18%	20%	21%	22%	22%	22%
25	6%	6%	6%	6%	6%	6%	10%	11%	11%	12%	12%	12%	13%	14%	15%	16%	16%	17%	15%	16%	18%	19%	19%	20%	17%	18%	19%	20%	21%	22%
30	5%	5%	5%	5%	5%	5%	8%	9%	10%	10%	10%	10%	11%	12%	13%	14%	14%	15%	13%	15%	16%	17%	18%	18%	15%	17%	18%	19%	20%	20%
35	4%	4%	4%	4%	4%	4%	7%	8%	8%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	14%	15%	16%	16%	14%	15%	17%	18%	18%	19%
40	3%	3%	4%	4%	3%	3%	6%	7%	7%	7%	7%	7%	9%	10%	10%	11%	11%	11%	11%	12%	13%	14%	14%	15%	13%	14%	15%	16%	17%	17%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

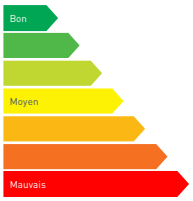
Météo : La Réunion
Orientation : EST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

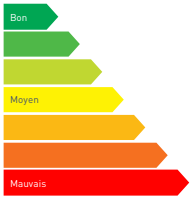
CLD

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	85%	85%	85%	84%	84%	84%	84%	84%	84%	84%	83%	83%	84%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%
10	87%	87%	87%	87%	87%	87%	86%	86%	85%	85%	85%	84%	85%	85%	84%	84%	84%	84%	84%	84%	84%	84%	83%	83%	84%	84%	84%	84%	83%	83%
15	88%	88%	88%	88%	88%	88%	87%	87%	87%	86%	86%	86%	86%	86%	85%	85%	85%	84%	85%	85%	85%	84%	84%	84%	85%	85%	84%	84%	84%	83%
20	89%	89%	89%	89%	89%	89%	88%	88%	88%	87%	87%	87%	87%	87%	86%	86%	86%	85%	86%	86%	86%	85%	85%	84%	86%	85%	85%	85%	84%	84%
25	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	87%	87%	87%	86%	87%	87%	86%	86%	86%	85%	86%	86%	86%	85%	85%	84%
30	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	86%	86%	87%	87%	86%	86%	86%	85%
35	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	86%	86%	86%
40	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	87%	87%	88%	88%	87%	87%	87%	86%



CECC

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	18%	19%	20%	21%	21%	22%	21%	22%	22%	23%	23%	23%	22%	23%	23%	23%	23%	23%	22%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%
10	12%	13%	14%	14%	15%	15%	17%	18%	19%	20%	21%	22%	19%	20%	21%	22%	22%	23%	20%	22%	22%	23%	23%	23%	21%	22%	23%	23%	23%	23%
15	9%	10%	10%	10%	10%	10%	14%	15%	16%	17%	17%	18%	16%	18%	19%	20%	21%	21%	18%	20%	21%	22%	22%	22%	19%	21%	22%	22%	23%	23%
20	7%	7%	8%	8%	8%	8%	11%	12%	13%	14%	14%	14%	14%	15%	17%	18%	18%	19%	16%	18%	19%	20%	21%	21%	18%	19%	20%	21%	22%	22%
25	6%	6%	6%	6%	6%	6%	9%	10%	11%	11%	12%	12%	12%	13%	14%	15%	16%	16%	14%	16%	17%	18%	19%	20%	16%	18%	19%	20%	21%	21%
30	6%	5%	5%	5%	5%	5%	8%	9%	9%	10%	10%	10%	11%	12%	13%	13%	14%	14%	13%	14%	15%	16%	17%	18%	15%	16%	17%	18%	19%	20%
35	4%	4%	4%	4%	4%	4%	7%	7%	8%	8%	8%	8%	9%	10%	11%	12%	12%	12%	12%	13%	14%	15%	15%	16%	13%	15%	16%	17%	18%	18%
40	3%	3%	3%	4%	3%	3%	6%	7%	7%	7%	7%	7%	8%	9%	10%	10%	11%	11%	10%	12%	12%	13%	14%	14%	12%	13%	15%	15%	16%	17%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : SUD-EST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	68%	68%	67%	66%	64%	63%	63%	63%	61%	61%	60%	60%	61%	61%	61%	60%	60%	59%	60%	61%	60%	60%	59%	59%	59%	61%	59%	60%	59%	59%
10	73%	73%	72%	72%	72%	72%	70%	70%	69%	68%	66%	64%	67%	66%	64%	63%	62%	61%	64%	64%	62%	62%	61%	60%	63%	62%	61%	61%	60%	60%
15	77%	76%	76%	76%	76%	76%	72%	72%	71%	71%	70%	70%	70%	70%	70%	68%	67%	64%	69%	68%	67%	65%	63%	62%	67%	66%	64%	63%	62%	61%
20	78%	79%	78%	78%	78%	78%	75%	75%	74%	74%	73%	72%	72%	72%	71%	71%	70%	69%	70%	70%	70%	69%	67%	65%	69%	69%	68%	66%	64%	63%
25	79%	79%	79%	79%	79%	79%	77%	76%	76%	76%	75%	75%	74%	74%	73%	72%	72%	71%	72%	71%	71%	70%	70%	69%	71%	70%	70%	69%	67%	65%
30	80%	80%	80%	80%	80%	80%	78%	78%	78%	78%	77%	77%	75%	75%	75%	74%	74%	73%	73%	73%	72%	71%	71%	70%	72%	71%	71%	70%	69%	68%
35	81%	81%	81%	80%	81%	81%	79%	79%	79%	78%	78%	78%	77%	76%	76%	76%	75%	75%	75%	75%	74%	73%	72%	72%	73%	72%	72%	71%	71%	70%
40	81%	81%	81%	81%	81%	81%	79%	79%	79%	79%	79%	79%	78%	78%	77%	77%	77%	76%	76%	75%	75%	75%	74%	73%	74%	74%	73%	72%	71%	71%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	14%	15%	15%	16%	16%	17%	16%	17%	17%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
10	10%	11%	11%	11%	11%	12%	13%	14%	15%	15%	16%	17%	15%	16%	16%	17%	17%	18%	16%	17%	17%	17%	18%	18%	17%	17%	18%	18%	18%	18%
15	8%	8%	8%	8%	8%	8%	11%	12%	12%	13%	13%	14%	13%	14%	15%	15%	16%	16%	14%	15%	16%	16%	17%	17%	15%	16%	17%	17%	17%	18%
20	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	11%	12%	13%	13%	14%	14%	13%	14%	14%	15%	16%	16%	14%	15%	16%	16%	17%	17%
25	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	11%	12%	12%	13%	12%	12%	13%	14%	14%	15%	13%	14%	14%	15%	16%	16%
30	4%	4%	4%	4%	4%	4%	7%	7%	8%	8%	8%	8%	9%	9%	10%	10%	11%	11%	11%	11%	12%	12%	13%	13%	12%	13%	13%	14%	15%	15%
35	4%	4%	4%	4%	4%	3%	6%	6%	7%	7%	7%	7%	8%	9%	9%	9%	10%	10%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	14%
40	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	7%	8%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : SUD
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	60%	60%	59%	58%	57%	56%	56%	56%	54%	54%	54%	53%	54%	54%	54%	53%	53%	53%	53%	54%	53%	53%	53%	53%	53%	54%	53%	53%	53%	53%
10	66%	66%	66%	66%	65%	65%	63%	63%	62%	61%	59%	57%	59%	59%	57%	56%	55%	54%	57%	57%	55%	55%	54%	53%	56%	55%	54%	54%	54%	53%
15	70%	70%	70%	70%	70%	70%	66%	65%	65%	65%	64%	64%	63%	63%	63%	62%	59%	57%	61%	61%	59%	58%	56%	55%	59%	59%	57%	56%	55%	54%
20	72%	72%	72%	72%	72%	72%	68%	68%	68%	67%	67%	66%	65%	65%	65%	64%	64%	63%	64%	64%	63%	62%	60%	58%	62%	62%	61%	59%	57%	55%
25	74%	74%	73%	73%	73%	73%	70%	70%	70%	70%	69%	69%	67%	67%	67%	66%	65%	65%	65%	65%	65%	64%	63%	62%	64%	64%	63%	62%	60%	58%
30	74%	74%	74%	74%	74%	74%	71%	72%	71%	71%	71%	71%	69%	69%	68%	68%	67%	67%	67%	67%	66%	65%	65%	64%	65%	65%	65%	64%	63%	62%
35	75%	75%	75%	75%	75%	75%	73%	72%	72%	72%	72%	72%	70%	70%	70%	70%	69%	68%	68%	68%	68%	67%	66%	65%	66%	66%	65%	65%	64%	64%
40	75%	75%	75%	75%	75%	75%	73%	73%	73%	73%	73%	73%	71%	71%	71%	71%	70%	70%	69%	69%	69%	68%	68%	67%	68%	68%	67%	66%	65%	65%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	11%	11%	11%	12%	12%	12%	13%	13%	13%	13%	14%	14%	13%	13%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
10	8%	8%	8%	8%	8%	8%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	13%	12%	13%	13%	13%	13%	14%	13%	13%	13%	13%	14%	14%
15	6%	6%	6%	6%	6%	6%	8%	9%	9%	9%	9%	10%	10%	10%	11%	11%	11%	12%	11%	11%	12%	12%	12%	13%	12%	12%	12%	13%	13%	13%
20	5%	5%	5%	5%	5%	5%	7%	7%	7%	8%	8%	8%	9%	9%	9%	10%	10%	10%	10%	10%	10%	11%	11%	12%	11%	11%	11%	12%	12%	13%
25	4%	4%	4%	4%	4%	4%	6%	6%	6%	6%	6%	7%	8%	8%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	10%	10%	10%	11%	11%	12%
30	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	8%	8%	8%	8%	8%	9%	9%	9%	9%	9%	9%	10%	10%	11%
35	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	5%	5%	6%	6%	6%	6%	7%	7%	7%	7%	8%	8%	8%	8%	8%	8%	9%	9%	9%	10%
40	2%	3%	3%	2%	2%	2%	4%	4%	4%	4%	4%	4%	5%	6%	6%	6%	6%	6%	6%	7%	7%	7%	7%	8%	7%	8%	8%	8%	9%	9%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	72%	72%	71%	70%	69%	68%	68%	68%	67%	66%	65%	65%	67%	66%	66%	65%	65%	64%	65%	66%	65%	65%	64%	64%	64%	66%	64%	65%	64%	64%
10	76%	76%	75%	75%	75%	75%	73%	73%	72%	71%	70%	69%	71%	71%	69%	68%	67%	66%	69%	69%	67%	67%	66%	65%	68%	67%	67%	66%	65%	65%
15	78%	78%	78%	78%	78%	78%	75%	75%	75%	74%	74%	74%	74%	74%	73%	72%	71%	69%	72%	72%	71%	69%	68%	67%	70%	70%	69%	68%	67%	66%
20	80%	80%	80%	80%	80%	80%	77%	77%	77%	76%	76%	76%	75%	75%	74%	74%	74%	73%	74%	74%	73%	72%	71%	69%	73%	72%	71%	71%	69%	67%
25	81%	81%	81%	81%	81%	81%	78%	79%	78%	78%	78%	77%	77%	76%	76%	75%	75%	74%	75%	75%	74%	74%	73%	72%	74%	74%	73%	72%	71%	70%
30	82%	82%	82%	82%	81%	81%	80%	80%	79%	79%	79%	79%	78%	78%	77%	77%	76%	76%	76%	76%	75%	75%	74%	74%	75%	75%	74%	74%	73%	72%
35	82%	82%	82%	82%	82%	82%	80%	80%	80%	80%	80%	80%	78%	79%	78%	78%	78%	77%	77%	77%	76%	76%	76%	75%	76%	76%	75%	74%	74%	74%
40	82%	82%	82%	82%	82%	82%	81%	81%	81%	81%	81%	81%	79%	79%	79%	79%	79%	78%	78%	78%	77%	77%	77%	76%	77%	77%	76%	76%	75%	74%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	12%	13%	13%	13%	14%	14%	14%	14%	15%	15%	15%	16%	15%	15%	15%	15%	16%	16%	15%	15%	16%	16%	16%	16%	15%	16%	16%	16%	16%	16%
10	9%	9%	9%	9%	10%	10%	12%	12%	12%	13%	13%	14%	13%	13%	14%	14%	15%	15%	14%	14%	15%	15%	15%	15%	14%	15%	15%	15%	15%	16%
15	7%	7%	7%	7%	7%	7%	9%	10%	10%	11%	11%	11%	11%	12%	12%	13%	13%	14%	12%	13%	13%	14%	14%	15%	13%	14%	14%	14%	15%	15%
20	5%	5%	6%	6%	5%	6%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	14%	12%	12%	13%	13%	14%	14%
25	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	9%	9%	10%	10%	10%	10%	10%	11%	11%	12%	12%	11%	11%	12%	13%	13%	14%
30	4%	4%	4%	4%	4%	4%	6%	6%	6%	7%	7%	7%	8%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%
35	3%	3%	3%	3%	3%	3%	5%	5%	6%	6%	6%	6%	7%	7%	7%	8%	8%	8%	8%	9%	9%	9%	10%	10%	9%	10%	10%	11%	11%	11%
40	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	5%	5%	6%	7%	7%	7%	7%	7%	7%	8%	8%	9%	9%	9%	9%	9%	9%	10%	10%	11%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : OUEST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	83%	83%	83%	83%	83%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	81%	82%	82%	82%	82%	81%	81%	81%	82%	81%	82%	81%	81%
10	85%	85%	85%	85%	85%	85%	84%	84%	84%	83%	83%	83%	83%	83%	83%	82%	82%	82%	83%	83%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%
15	87%	87%	86%	86%	86%	86%	85%	85%	85%	85%	85%	84%	84%	84%	84%	84%	83%	83%	83%	83%	83%	83%	82%	82%	83%	83%	83%	82%	82%	82%
20	87%	87%	87%	87%	87%	87%	86%	86%	86%	86%	85%	85%	85%	85%	85%	85%	84%	84%	84%	84%	84%	84%	83%	83%	84%	84%	83%	83%	83%	82%
25	88%	88%	88%	88%	88%	88%	87%	87%	86%	86%	86%	86%	86%	86%	85%	85%	85%	85%	85%	85%	85%	85%	84%	84%	85%	84%	84%	84%	83%	83%
30	88%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	86%	86%	86%	86%	86%	85%	86%	85%	85%	85%	85%	85%	85%	85%	85%	85%	84%	84%
35	88%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	87%	87%	86%	86%	86%	86%	86%	86%	86%	85%	85%	85%	85%	85%	85%	85%	85%	84%
40	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	87%	86%	86%	86%	86%	86%	86%	85%	86%	86%	85%	85%	85%	85%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	16%	16%	17%	17%	18%	17%	18%	18%	18%	19%	19%	18%	18%	19%	19%	19%	19%	18%	19%	19%	19%	19%	19%	18%	19%	19%	19%	19%	19%
10	11%	11%	12%	12%	12%	12%	14%	15%	16%	16%	17%	17%	16%	17%	17%	18%	18%	18%	17%	17%	18%	18%	18%	19%	17%	18%	18%	19%	19%	19%
15	8%	8%	9%	9%	9%	9%	12%	12%	13%	14%	14%	14%	14%	15%	15%	16%	17%	17%	15%	16%	17%	17%	18%	18%	16%	17%	17%	18%	18%	18%
20	6%	7%	7%	7%	7%	6%	10%	10%	11%	11%	12%	12%	12%	13%	14%	14%	15%	15%	14%	14%	15%	16%	16%	17%	15%	16%	16%	17%	17%	18%
25	5%	5%	5%	5%	5%	5%	8%	9%	9%	9%	10%	10%	10%	11%	12%	12%	13%	13%	12%	13%	14%	15%	15%	16%	13%	14%	15%	16%	16%	17%
30	4%	4%	4%	4%	4%	4%	7%	8%	8%	8%	8%	8%	9%	10%	11%	11%	11%	11%	11%	12%	13%	13%	14%	14%	12%	13%	14%	15%	15%	16%
35	4%	4%	4%	4%	4%	4%	6%	7%	7%	7%	7%	7%	8%	9%	9%	10%	10%	10%	10%	11%	11%	12%	12%	13%	11%	12%	13%	14%	14%	15%
40	3%	3%	3%	3%	3%	3%	6%	6%	6%	6%	6%	6%	7%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	11%	10%	11%	12%	13%	13%	13%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	91%	91%	90%	90%
10	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
15	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
20	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	92%	91%	91%	91%	91%	91%
25	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	92%	92%	92%	91%	91%	91%
30	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%
35	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%
40	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	16%	17%	18%	18%	19%	19%	19%	19%	20%	20%	20%	20%	19%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	21%	20%	20%	20%	20%	20%	21%
10	12%	12%	13%	13%	13%	13%	16%	16%	17%	18%	18%	19%	17%	18%	19%	19%	20%	20%	18%	19%	19%	20%	20%	20%	19%	19%	20%	20%	20%	20%
15	9%	9%	9%	10%	10%	9%	13%	14%	15%	15%	16%	16%	15%	16%	17%	18%	18%	19%	17%	18%	18%	19%	19%	20%	18%	18%	19%	19%	20%	20%
20	7%	7%	7%	7%	7%	7%	11%	12%	12%	13%	13%	13%	13%	14%	15%	16%	16%	17%	15%	16%	17%	18%	18%	19%	16%	17%	18%	18%	19%	19%
25	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	12%	13%	13%	14%	14%	15%	14%	15%	15%	16%	17%	17%	15%	16%	17%	17%	18%	19%
30	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	14%	15%	15%	16%	14%	15%	16%	16%	17%	17%
35	4%	4%	4%	4%	4%	4%	7%	7%	8%	8%	8%	8%	9%	10%	11%	11%	11%	11%	11%	12%	13%	13%	14%	14%	13%	14%	15%	15%	16%	16%
40	3%	4%	4%	4%	3%	3%	6%	7%	7%	7%	7%	7%	8%	9%	10%	10%	10%	10%	10%	11%	12%	12%	13%	13%	12%	13%	14%	14%	15%	15%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

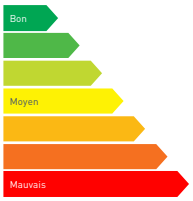
Météo : La Réunion
Orientation : NORD
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,28	0,26	0,23	0,20	0,17		0,16																							
10	0,49	0,48	0,46	0,44	0,43	0,42	0,34	0,31	0,28	0,24	0,20	0,17	0,25	0,22	0,18				0,19	0,16					0,16					
15	0,61	0,60	0,59	0,58	0,57	0,57	0,46	0,44	0,41	0,38	0,35	0,32	0,36	0,33	0,30	0,26	0,22	0,18	0,30	0,26	0,22	0,19			0,25	0,21	0,17			
20	0,68	0,67	0,66	0,66	0,65	0,65	0,55	0,53	0,51	0,49	0,46	0,45	0,45	0,42	0,39	0,36	0,32	0,29	0,38	0,34	0,31	0,27	0,23	0,18	0,32	0,29	0,25	0,21	0,17	
25							0,61	0,60	0,58	0,56	0,54	0,53	0,52	0,50	0,47	0,44	0,41	0,38	0,45	0,42	0,38	0,35	0,31	0,27	0,39	0,35	0,32	0,28	0,23	0,19
30							0,66	0,64	0,63	0,62	0,60	0,59	0,57	0,55	0,53	0,50	0,48	0,46	0,50	0,47	0,44	0,41	0,38	0,35	0,44	0,41	0,38	0,34	0,30	0,26
35							0,70	0,68	0,67	0,66	0,65	0,64	0,62	0,60	0,57	0,55	0,54	0,52	0,55	0,52	0,49	0,47	0,44	0,41	0,49	0,46	0,43	0,39	0,36	0,32
40										0,69	0,68	0,68	0,65	0,63	0,61	0,60	0,58	0,57	0,59	0,56	0,54	0,51	0,49	0,47	0,53	0,50	0,47	0,44	0,41	0,38

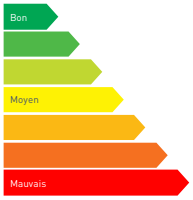
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	5%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	22%	19%	14%	9%	5%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	36%	34%	31%	28%	24%	22%	10%	8%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	41%	40%	38%	37%	36%	34%	22%	19%	12%	7%	3%	0%	7%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	46%	44%	42%	41%	39%	39%	32%	29%	24%	19%	12%	5%	13%	10%	6%	2%	0%	0%	6%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	49%	48%	46%	44%	43%	42%	38%	35%	32%	29%	23%	19%	23%	19%	12%	7%	2%	0%	10%	8%	4%	0%	0%	0%	5%	2%	0%	0%	0%	0%
40	52%	50%	49%	48%	47%	46%	41%	39%	37%	34%	32%	29%	30%	26%	20%	15%	7%	2%	16%	12%	8%	3%	0%	0%	8%	6%	1%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	54%	55%	56%	57%	59%	59%	58%	59%	60%	60%	61%	61%	59%	60%	60%	61%	61%	61%	60%	61%	61%	61%	61%	61%	60%	61%	61%	61%	61%	61%
10	40%	42%	44%	46%	47%	47%	52%	54%	55%	57%	58%	59%	55%	57%	58%	59%	60%	61%	57%	58%	59%	60%	60%	61%	58%	59%	60%	60%	61%	61%
15	31%	32%	34%	35%	35%	35%	44%	47%	49%	51%	53%	54%	51%	53%	55%	56%	58%	59%	54%	55%	57%	58%	59%	60%	55%	57%	58%	59%	60%	61%
20	25%	26%	27%	27%	27%	27%	37%	40%	42%	44%	45%	46%	45%	48%	51%	53%	55%	56%	50%	53%	54%	56%	58%	59%	53%	55%	56%	58%	59%	60%
25	20%	21%	22%	22%	22%	22%	32%	34%	36%	38%	39%	39%	40%	43%	46%	48%	50%	51%	46%	49%	52%	54%	55%	57%	50%	52%	54%	56%	57%	59%
30	17%	18%	19%	19%	19%	18%	28%	30%	32%	33%	34%	34%	36%	39%	41%	44%	45%	46%	42%	45%	48%	51%	52%	54%	46%	50%	52%	54%	56%	57%
35	15%	15%	16%	16%	16%	15%	24%	26%	28%	29%	30%	30%	32%	35%	37%	39%	41%	41%	38%	42%	45%	47%	49%	50%	43%	47%	50%	52%	54%	55%
40	13%	13%	14%	14%	14%	13%	22%	23%	25%	26%	26%	26%	29%	32%	34%	36%	37%	37%	35%	38%	41%	43%	45%	46%	40%	44%	46%	49%	51%	52%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

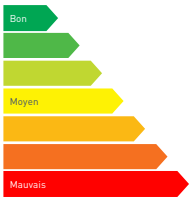
Météo : La Réunion
Orientation : NORD-EST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,24	0,21	0,18	0,15																										
10	0,45	0,43	0,41	0,39	0,37	0,37	0,29	0,25	0,22	0,18	0,15		0,20	0,17					0,16											
15	0,59	0,57	0,55	0,54	0,54	0,54	0,41	0,38	0,34	0,31	0,28	0,26	0,31	0,27	0,23	0,20	0,16		0,24	0,20	0,17				0,20	0,16				
20	0,67	0,66	0,65	0,64	0,64	0,65	0,51	0,47	0,45	0,42	0,40	0,39	0,40	0,36	0,32	0,28	0,25	0,22	0,32	0,28	0,24	0,20	0,17		0,27	0,23	0,19	0,15		
25							0,58	0,55	0,53	0,51	0,49	0,49	0,47	0,43	0,40	0,36	0,34	0,31	0,39	0,35	0,31	0,27	0,24	0,20	0,33	0,29	0,25	0,21	0,17	
30							0,63	0,61	0,59	0,57	0,57	0,56	0,53	0,49	0,46	0,43	0,41	0,40	0,45	0,41	0,37	0,33	0,30	0,27	0,38	0,34	0,30	0,26	0,23	0,19
35							0,68	0,66	0,64	0,63	0,62	0,62	0,58	0,54	0,52	0,49	0,48	0,47	0,50	0,46	0,42	0,39	0,36	0,34	0,43	0,39	0,35	0,31	0,28	0,25
40								0,69	0,68	0,67	0,66	0,66	0,62	0,59	0,56	0,54	0,53	0,52	0,54	0,50	0,47	0,44	0,42	0,40	0,47	0,43	0,40	0,36	0,33	0,30

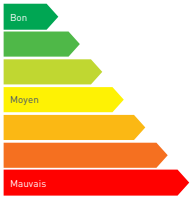
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	25%	23%	19%	16%	12%	10%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	37%	36%	34%	32%	30%	29%	22%	16%	11%	4%	0%	0%	8%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	44%	43%	41%	40%	38%	37%	32%	29%	25%	19%	16%	12%	20%	14%	8%	2%	0%	0%	10%	4%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%
25	49%	48%	46%	45%	44%	43%	38%	36%	32%	30%	26%	23%	28%	25%	18%	12%	5%	2%	19%	11%	7%	0%	0%	0%	10%	5%	0%	0%	0%	0%
30	52%	52%	50%	49%	48%	47%	42%	40%	38%	36%	33%	32%	34%	31%	27%	21%	17%	13%	26%	22%	14%	7%	1%	0%	18%	11%	6%	0%	0%	0%
35	55%	54%	53%	52%	51%	50%	45%	44%	42%	40%	38%	36%	38%	35%	32%	28%	24%	20%	31%	28%	22%	15%	10%	4%	25%	18%	11%	5%	0%	0%
40	57%	56%	55%	54%	54%	53%	48%	47%	45%	43%	41%	40%	41%	39%	36%	33%	30%	28%	35%	32%	28%	23%	18%	13%	30%	25%	17%	12%	4%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	55%	57%	59%	60%	62%	63%	60%	62%	63%	64%	64%	64%	62%	63%	64%	64%	64%	64%	63%	64%	64%	64%	64%	65%	63%	64%	64%	64%	64%	65%
10	40%	43%	45%	47%	48%	48%	52%	55%	58%	60%	61%	63%	57%	59%	61%	63%	63%	64%	59%	61%	63%	63%	64%	64%	61%	62%	63%	64%	64%	65%
15	31%	33%	34%	35%	36%	36%	43%	47%	50%	53%	55%	56%	50%	54%	57%	59%	61%	62%	54%	58%	60%	62%	63%	64%	57%	60%	62%	63%	63%	64%
20	24%	26%	27%	27%	28%	27%	36%	40%	43%	45%	47%	48%	44%	48%	52%	55%	57%	58%	50%	54%	57%	59%	61%	62%	53%	57%	59%	61%	62%	63%
25	20%	21%	22%	22%	22%	22%	31%	34%	37%	38%	40%	40%	39%	43%	47%	49%	51%	53%	45%	49%	53%	55%	58%	59%	49%	53%	56%	59%	61%	62%
30	16%	17%	18%	19%	19%	18%	27%	29%	32%	33%	34%	35%	35%	39%	42%	44%	46%	47%	41%	45%	49%	52%	54%	55%	45%	50%	53%	56%	58%	60%
35	14%	15%	15%	16%	16%	15%	23%	26%	28%	29%	30%	30%	31%	35%	37%	40%	41%	42%	37%	41%	45%	48%	50%	51%	42%	46%	50%	53%	55%	57%
40	12%	13%	13%	13%	13%	13%	21%	23%	25%	26%	26%	27%	28%	31%	34%	36%	37%	38%	34%	38%	41%	44%	46%	47%	39%	43%	47%	50%	52%	54%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

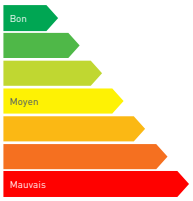
Météo : La Réunion
Orientation : EST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,25	0,21	0,18																											
10	0,48	0,45	0,42	0,40	0,39	0,38	0,30	0,26	0,21	0,18			0,21	0,16					0,16											
15	0,61	0,59	0,57	0,56	0,56	0,56	0,44	0,40	0,36	0,32	0,29	0,26	0,33	0,27	0,23	0,19	0,15		0,25	0,20	0,16				0,21	0,15				
20	0,69	0,68	0,66	0,66	0,66	0,66	0,54	0,50	0,47	0,44	0,42	0,40	0,42	0,37	0,33	0,29	0,25	0,22	0,34	0,29	0,24	0,19	0,16		0,28	0,23	0,18			
25							0,61	0,58	0,55	0,53	0,51	0,50	0,50	0,45	0,41	0,38	0,34	0,32	0,41	0,36	0,31	0,27	0,23	0,20	0,35	0,29	0,24	0,20	0,16	
30							0,66	0,63	0,61	0,59	0,58	0,58	0,56	0,52	0,48	0,45	0,43	0,41	0,48	0,43	0,38	0,34	0,30	0,28	0,41	0,35	0,30	0,26	0,22	0,18
35								0,68	0,66	0,65	0,64	0,63	0,61	0,57	0,54	0,51	0,49	0,48	0,53	0,48	0,44	0,40	0,37	0,35	0,46	0,41	0,36	0,32	0,28	0,25
40									0,70	0,69	0,68	0,68	0,65	0,61	0,59	0,56	0,55	0,54	0,57	0,53	0,49	0,46	0,43	0,42	0,51	0,46	0,41	0,37	0,34	0,31

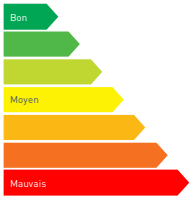
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	17%	12%	8%	8%	4%	0%	6%	2%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	34%	32%	29%	28%	25%	24%	22%	16%	11%	8%	4%	0%	11%	6%	2%	0%	0%	0%	6%	2%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%
15	44%	42%	41%	39%	38%	37%	31%	29%	25%	22%	18%	14%	23%	19%	12%	8%	4%	1%	17%	9%	5%	0%	0%	0%	9%	6%	0%	0%	0%	0%
20	48%	47%	46%	45%	44%	43%	39%	37%	33%	29%	27%	25%	30%	27%	23%	19%	12%	9%	24%	20%	13%	8%	5%	1%	19%	12%	6%	2%	0%	0%
25	51%	50%	50%	49%	48%	47%	44%	42%	39%	37%	34%	33%	37%	33%	29%	26%	22%	19%	30%	26%	22%	15%	9%	8%	25%	20%	13%	8%	5%	1%
30	54%	53%	52%	51%	51%	50%	46%	45%	44%	42%	40%	38%	40%	38%	35%	31%	28%	25%	36%	31%	27%	23%	20%	15%	30%	26%	22%	14%	8%	8%
35	56%	55%	54%	54%	53%	53%	49%	48%	46%	45%	44%	42%	44%	42%	39%	36%	33%	30%	39%	36%	31%	28%	25%	22%	34%	30%	25%	22%	15%	11%
40	57%	57%	56%	56%	55%	55%	51%	50%	49%	48%	46%	45%	46%	45%	43%	40%	38%	36%	41%	39%	36%	32%	28%	26%	38%	34%	29%	25%	21%	18%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	51%	54%	56%	58%	59%	60%	57%	59%	61%	61%	62%	62%	59%	61%	62%	62%	62%	62%	60%	62%	62%	62%	62%	62%	61%	62%	62%	62%	62%	62%
10	38%	40%	42%	44%	45%	46%	48%	52%	54%	57%	58%	60%	53%	56%	59%	60%	61%	62%	56%	59%	60%	61%	62%	62%	58%	60%	61%	61%	62%	62%
15	29%	31%	32%	33%	34%	34%	40%	44%	47%	49%	51%	53%	47%	51%	54%	56%	58%	60%	51%	55%	57%	59%	60%	61%	54%	57%	59%	60%	61%	62%
20	23%	25%	26%	26%	27%	27%	34%	37%	40%	42%	44%	45%	41%	45%	48%	51%	53%	55%	46%	50%	53%	56%	58%	60%	49%	53%	56%	58%	60%	61%
25	19%	20%	21%	22%	22%	21%	29%	32%	34%	36%	38%	38%	37%	40%	43%	46%	48%	50%	42%	46%	49%	52%	54%	56%	46%	50%	53%	56%	58%	59%
30	16%	17%	18%	18%	18%	18%	25%	28%	30%	31%	33%	33%	32%	36%	39%	41%	43%	44%	38%	42%	45%	48%	50%	52%	42%	46%	50%	53%	55%	57%
35	14%	15%	15%	15%	15%	15%	22%	24%	26%	28%	29%	29%	29%	32%	35%	37%	39%	40%	35%	38%	42%	44%	47%	48%	39%	43%	47%	49%	52%	54%
40	12%	13%	13%	13%	13%	13%	20%	22%	23%	25%	25%	26%	26%	29%	32%	34%	35%	36%	32%	35%	38%	41%	43%	44%	36%	40%	44%	46%	49%	50%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

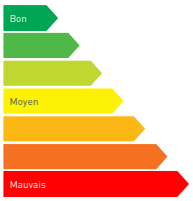
Météo : La Réunion
Orientation : SUD-EST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,25	0,22	0,19	0,16																										
10	0,48	0,45	0,43	0,41	0,40	0,39	0,31	0,27	0,23	0,19	0,16		0,22	0,18					0,17											
15	0,61	0,59	0,57	0,56	0,56	0,56	0,44	0,40	0,37	0,33	0,30	0,28	0,33	0,29	0,25	0,21	0,17		0,26	0,22	0,18				0,22	0,17				
20	0,69	0,67	0,66	0,66	0,66	0,66	0,53	0,50	0,47	0,45	0,43	0,41	0,42	0,38	0,34	0,31	0,27	0,24	0,35	0,30	0,26	0,22	0,18		0,29	0,24	0,20	0,16		
25							0,60	0,58	0,55	0,53	0,52	0,51	0,50	0,46	0,42	0,39	0,36	0,34	0,42	0,37	0,33	0,29	0,25	0,22	0,36	0,31	0,26	0,22	0,18	
30							0,65	0,63	0,61	0,60	0,59	0,58	0,56	0,52	0,49	0,46	0,44	0,42	0,48	0,43	0,39	0,36	0,32	0,29	0,41	0,37	0,32	0,28	0,24	0,20
35							0,70	0,68	0,66	0,65	0,64	0,64	0,60	0,57	0,54	0,52	0,50	0,49	0,52	0,49	0,45	0,42	0,39	0,36	0,46	0,42	0,38	0,34	0,30	0,27
40									0,70	0,69	0,68	0,68	0,64	0,61	0,59	0,57	0,55	0,54	0,57	0,53	0,50	0,47	0,44	0,43	0,50	0,46	0,42	0,39	0,35	0,33

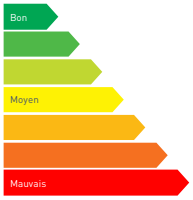
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	5%	4%	4%	2%	1%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	22%	21%	19%	17%	15%	14%	10%	6%	4%	2%	2%	0%	3%	2%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
15	32%	31%	29%	27%	25%	23%	20%	18%	14%	8%	4%	4%	12%	7%	4%	2%	2%	0%	4%	3%	2%	0%	0%	0%	3%	2%	0%	0%	0%	0%
20	39%	38%	37%	35%	34%	33%	27%	25%	22%	19%	17%	14%	20%	16%	10%	5%	4%	4%	13%	8%	4%	3%	2%	0%	7%	3%	2%	0%	0%	0%
25	44%	43%	42%	40%	39%	38%	33%	30%	28%	25%	23%	21%	25%	22%	19%	15%	10%	6%	19%	15%	9%	4%	4%	3%	14%	9%	4%	3%	2%	0%
30	47%	46%	45%	45%	43%	42%	37%	35%	33%	30%	28%	26%	29%	27%	23%	20%	17%	15%	23%	20%	16%	10%	5%	4%	19%	14%	9%	4%	4%	3%
35	50%	49%	48%	47%	47%	46%	40%	39%	37%	35%	33%	31%	33%	30%	27%	24%	21%	20%	27%	24%	21%	18%	13%	10%	22%	20%	14%	8%	4%	4%
40	52%	52%	51%	50%	49%	48%	44%	42%	41%	39%	37%	35%	36%	34%	31%	28%	26%	23%	30%	28%	24%	21%	18%	15%	26%	22%	19%	14%	8%	5%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	41%	43%	44%	46%	47%	48%	46%	48%	49%	49%	50%	51%	48%	49%	50%	50%	51%	51%	49%	50%	50%	51%	51%	51%	50%	50%	51%	51%	51%	51%
10	31%	32%	33%	35%	35%	36%	39%	41%	43%	44%	46%	48%	43%	45%	46%	48%	49%	50%	45%	47%	48%	49%	50%	50%	46%	48%	49%	50%	50%	51%
15	24%	25%	26%	27%	27%	27%	32%	34%	36%	38%	40%	41%	38%	40%	42%	44%	46%	47%	41%	43%	45%	47%	48%	49%	43%	45%	47%	48%	49%	50%
20	20%	20%	21%	21%	22%	21%	28%	30%	31%	33%	34%	35%	33%	35%	38%	39%	41%	43%	37%	39%	41%	43%	45%	47%	39%	42%	44%	46%	47%	49%
25	16%	17%	18%	18%	18%	18%	24%	26%	27%	28%	29%	30%	29%	32%	34%	35%	37%	38%	33%	36%	38%	40%	42%	44%	36%	39%	41%	43%	45%	47%
30	14%	15%	15%	15%	15%	15%	21%	23%	24%	25%	26%	26%	26%	28%	30%	32%	33%	34%	31%	33%	35%	37%	39%	40%	34%	36%	38%	41%	42%	44%
35	12%	13%	13%	13%	13%	13%	19%	20%	21%	22%	23%	23%	24%	26%	28%	29%	30%	31%	28%	30%	32%	34%	36%	37%	31%	34%	36%	38%	40%	42%
40	11%	11%	12%	12%	12%	11%	17%	18%	19%	20%	20%	20%	22%	24%	25%	26%	27%	28%	26%	28%	30%	32%	33%	34%	29%	31%	34%	36%	37%	39%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

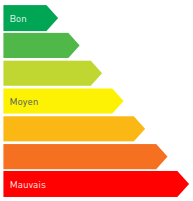
Météo : La Réunion
Orientation : SUD
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,29	0,26	0,24	0,21	0,18		0,17																							
10	0,51	0,49	0,48	0,46	0,45	0,43	0,35	0,32	0,29	0,25	0,22	0,18	0,26	0,23	0,19	0,16			0,20	0,17					0,16					
15	0,63	0,62	0,61	0,60	0,59	0,59	0,48	0,45	0,43	0,40	0,37	0,34	0,38	0,34	0,31	0,27	0,23	0,19	0,31	0,27	0,23	0,20	0,16		0,25	0,22	0,18	0,15		
20		0,70	0,69	0,68	0,68	0,68	0,57	0,55	0,53	0,51	0,49	0,47	0,47	0,44	0,41	0,38	0,34	0,30	0,39	0,36	0,32	0,28	0,24	0,20	0,33	0,30	0,26	0,22	0,18	
25							0,63	0,62	0,60	0,58	0,57	0,56	0,54	0,51	0,49	0,46	0,43	0,40	0,46	0,43	0,40	0,36	0,32	0,28	0,40	0,37	0,33	0,29	0,25	0,20
30							0,68	0,67	0,65	0,64	0,63	0,62	0,59	0,57	0,55	0,52	0,50	0,48	0,52	0,49	0,46	0,43	0,40	0,36	0,46	0,43	0,39	0,35	0,31	0,27
35									0,70	0,68	0,68	0,67	0,64	0,62	0,60	0,58	0,56	0,54	0,57	0,54	0,51	0,49	0,46	0,43	0,51	0,48	0,45	0,41	0,37	0,34
40													0,67	0,65	0,64	0,62	0,61	0,59	0,60	0,58	0,56	0,53	0,51	0,49	0,55	0,52	0,49	0,46	0,43	0,40

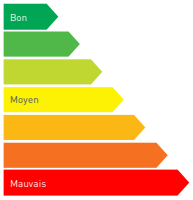
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	14%	12%	9%	6%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	26%	25%	23%	20%	16%	13%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	35%	34%	31%	29%	27%	25%	11%	8%	5%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	38%	38%	37%	35%	33%	32%	20%	17%	11%	7%	3%	0%	5%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	41%	40%	39%	38%	37%	36%	26%	24%	21%	16%	10%	7%	9%	7%	4%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	32%	33%	34%	35%	36%	37%	36%	37%	38%	39%	39%	40%	38%	39%	39%	40%	40%	41%	39%	39%	40%	40%	40%	41%	39%	40%	40%	40%	41%	41%
10	24%	24%	25%	26%	26%	27%	30%	31%	32%	33%	35%	36%	33%	34%	35%	36%	37%	39%	35%	36%	37%	38%	39%	40%	36%	37%	38%	38%	39%	40%
15	19%	19%	20%	20%	20%	20%	25%	26%	27%	28%	29%	30%	29%	30%	31%	32%	34%	35%	31%	32%	34%	35%	36%	38%	33%	34%	35%	36%	37%	39%
20	15%	16%	16%	16%	16%	16%	21%	22%	23%	24%	25%	25%	25%	26%	27%	29%	30%	31%	28%	29%	30%	32%	33%	35%	30%	31%	33%	34%	35%	37%
25	13%	13%	14%	14%	14%	14%	19%	19%	20%	21%	21%	22%	23%	23%	24%	26%	27%	28%	25%	27%	28%	29%	31%	32%	28%	29%	30%	32%	33%	35%
30	12%	12%	12%	12%	12%	12%	16%	17%	18%	18%	19%	19%	20%	21%	22%	23%	24%	25%	23%	24%	25%	27%	28%	29%	26%	27%	28%	29%	31%	32%
35	10%	10%	11%	11%	11%	11%	15%	15%	16%	16%	17%	17%	18%	19%	20%	21%	22%	22%	21%	22%	23%	24%	26%	27%	24%	25%	26%	27%	29%	30%
40	9%	9%	9%	10%	10%	9%	13%	14%	14%	15%	15%	15%	17%	18%	18%	19%	20%	20%	20%	21%	21%	22%	23%	24%	22%	23%	24%	25%	27%	28%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

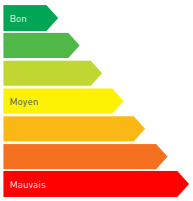
Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,26	0,23	0,20	0,18																										
10	0,48	0,46	0,44	0,42	0,40	0,40	0,32	0,28	0,24	0,21	0,17		0,23	0,19	0,16				0,18											
15	0,61	0,59	0,58	0,57	0,56	0,56	0,45	0,41	0,38	0,35	0,32	0,29	0,34	0,30	0,26	0,22	0,19		0,27	0,23	0,19	0,16			0,23	0,18				
20	0,69	0,68	0,67	0,66	0,66	0,66	0,54	0,51	0,48	0,46	0,44	0,42	0,43	0,39	0,36	0,32	0,29	0,25	0,36	0,31	0,27	0,23	0,19	0,15	0,30	0,26	0,21	0,18		
25							0,61	0,58	0,56	0,54	0,53	0,52	0,50	0,47	0,44	0,40	0,38	0,35	0,43	0,39	0,35	0,31	0,27	0,23	0,37	0,32	0,28	0,24	0,20	0,16
30							0,66	0,64	0,62	0,60	0,59	0,59	0,56	0,53	0,50	0,47	0,45	0,43	0,48	0,45	0,41	0,37	0,34	0,31	0,42	0,38	0,34	0,30	0,26	0,22
35							0,70	0,68	0,66	0,65	0,64	0,64	0,61	0,58	0,55	0,53	0,51	0,50	0,53	0,50	0,46	0,43	0,40	0,38	0,47	0,43	0,39	0,35	0,32	0,28
40										0,69	0,68	0,68	0,65	0,62	0,60	0,58	0,56	0,55	0,57	0,54	0,51	0,48	0,46	0,44	0,51	0,47	0,44	0,40	0,37	0,34

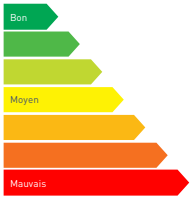
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	3%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	19%	17%	15%	12%	9%	8%	5%	2%	2%	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	25%	24%	23%	22%	20%	20%	17%	13%	8%	4%	2%	2%	7%	3%	2%	0%	0%	0%	2%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
20	30%	29%	28%	27%	26%	25%	22%	21%	18%	15%	12%	9%	16%	10%	5%	3%	2%	2%	8%	4%	2%	1%	0%	0%	3%	1%	0%	0%	0%	0%
25	33%	33%	32%	31%	30%	29%	25%	24%	22%	21%	19%	18%	20%	18%	14%	9%	5%	3%	15%	9%	5%	2%	2%	2%	9%	5%	2%	1%	0%	0%
30	37%	36%	35%	34%	33%	33%	29%	28%	26%	24%	22%	21%	23%	22%	19%	16%	13%	9%	19%	16%	10%	5%	3%	2%	14%	9%	4%	2%	2%	1%
35	40%	39%	38%	37%	36%	35%	31%	30%	29%	28%	26%	24%	26%	24%	22%	20%	18%	16%	22%	20%	17%	12%	7%	4%	19%	14%	9%	4%	2%	2%
40	43%	41%	40%	39%	38%	38%	33%	33%	31%	30%	29%	27%	28%	27%	25%	23%	21%	19%	24%	22%	20%	17%	13%	10%	21%	19%	14%	8%	4%	2%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	36%	37%	38%	39%	40%	41%	40%	41%	42%	43%	43%	44%	42%	42%	43%	43%	44%	44%	42%	43%	44%	44%	44%	44%	43%	44%	44%	44%	44%	45%
10	27%	28%	29%	29%	30%	31%	33%	35%	36%	38%	39%	41%	37%	38%	39%	41%	42%	43%	39%	40%	41%	42%	43%	44%	40%	41%	42%	43%	43%	44%
15	21%	22%	22%	23%	23%	23%	28%	29%	31%	32%	33%	35%	32%	34%	35%	37%	39%	40%	35%	36%	38%	39%	41%	42%	37%	38%	40%	41%	42%	43%
20	17%	18%	18%	19%	19%	19%	24%	25%	26%	28%	29%	29%	29%	30%	32%	33%	35%	36%	32%	33%	35%	37%	38%	40%	34%	36%	37%	39%	40%	41%
25	15%	15%	15%	16%	16%	16%	21%	22%	23%	24%	25%	25%	26%	27%	28%	30%	31%	32%	29%	30%	32%	34%	35%	37%	31%	33%	35%	36%	38%	40%
30	13%	13%	13%	13%	13%	13%	19%	20%	20%	21%	22%	22%	23%	24%	26%	27%	28%	29%	26%	28%	29%	31%	32%	34%	29%	31%	32%	34%	36%	37%
35	11%	11%	12%	12%	12%	12%	17%	18%	18%	19%	19%	20%	21%	22%	23%	24%	25%	26%	24%	26%	27%	29%	30%	31%	27%	29%	30%	32%	33%	35%
40	10%	10%	10%	11%	11%	10%	15%	16%	17%	17%	17%	18%	19%	20%	21%	22%	23%	24%	22%	24%	25%	26%	28%	29%	25%	27%	28%	30%	31%	32%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

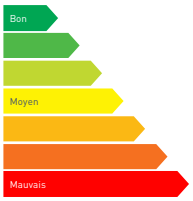
Météo : La Réunion
Orientation : OUEST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,25	0,22	0,19	0,16																										
10	0,48	0,45	0,43	0,41	0,39	0,39	0,31	0,26	0,23	0,19	0,15		0,22	0,17					0,17											
15	0,61	0,59	0,57	0,56	0,56	0,56	0,44	0,40	0,36	0,33	0,30	0,27	0,33	0,28	0,24	0,20	0,16		0,26	0,21	0,17				0,21	0,17				
20	0,69	0,67	0,66	0,66	0,66	0,66	0,54	0,50	0,47	0,44	0,42	0,41	0,42	0,38	0,34	0,30	0,26	0,23	0,34	0,30	0,25	0,21	0,17		0,29	0,24	0,19	0,16		
25							0,60	0,58	0,55	0,53	0,52	0,51	0,50	0,46	0,42	0,39	0,36	0,33	0,42	0,37	0,32	0,28	0,24	0,21	0,35	0,30	0,26	0,21	0,17	
30							0,66	0,63	0,61	0,60	0,59	0,58	0,56	0,52	0,49	0,46	0,43	0,42	0,48	0,43	0,39	0,35	0,32	0,29	0,41	0,36	0,32	0,27	0,23	0,20
35							0,70	0,68	0,66	0,65	0,64	0,64	0,60	0,57	0,54	0,52	0,50	0,49	0,53	0,49	0,45	0,41	0,38	0,36	0,46	0,42	0,37	0,33	0,29	0,26
40									0,70	0,69	0,68	0,68	0,64	0,61	0,59	0,57	0,55	0,54	0,57	0,53	0,50	0,47	0,44	0,42	0,51	0,46	0,42	0,38	0,35	0,32

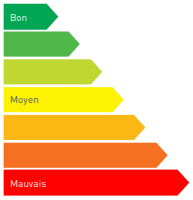
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	12%	9%	7%	5%	1%	0%	5%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	28%	27%	26%	24%	22%	21%	19%	12%	8%	6%	1%	0%	8%	5%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%
15	34%	33%	32%	31%	30%	30%	27%	25%	22%	18%	12%	9%	20%	14%	9%	6%	1%	0%	12%	6%	2%	0%	0%	0%	7%	4%	0%	0%	0%	0%
20	40%	38%	36%	35%	34%	34%	31%	30%	28%	26%	24%	22%	26%	24%	19%	13%	8%	7%	21%	14%	10%	6%	1%	0%	14%	8%	4%	0%	0%	0%
25	45%	43%	42%	40%	39%	37%	34%	33%	32%	30%	28%	27%	30%	28%	26%	23%	18%	15%	26%	23%	17%	12%	7%	6%	22%	15%	10%	7%	1%	0%
30	50%	49%	47%	46%	45%	44%	37%	36%	35%	33%	31%	30%	32%	31%	29%	27%	25%	23%	29%	27%	24%	19%	14%	9%	26%	23%	16%	10%	7%	6%
35	52%	51%	50%	50%	49%	48%	42%	39%	37%	36%	34%	33%	34%	33%	32%	30%	28%	26%	31%	29%	27%	25%	21%	18%	28%	26%	22%	16%	11%	8%
40	54%	54%	53%	52%	52%	51%	45%	43%	40%	38%	37%	35%	37%	35%	34%	32%	30%	29%	33%	32%	30%	27%	25%	23%	30%	28%	26%	22%	18%	13%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	44%	45%	47%	48%	49%	50%	48%	50%	51%	51%	52%	52%	50%	51%	52%	52%	52%	53%	51%	52%	52%	52%	52%	53%	51%	52%	52%	52%	53%	53%
10	33%	34%	36%	37%	38%	38%	41%	43%	45%	47%	48%	50%	45%	47%	48%	50%	51%	52%	47%	49%	50%	51%	52%	52%	48%	50%	51%	51%	52%	52%
15	26%	27%	28%	28%	29%	29%	35%	37%	39%	41%	42%	44%	40%	42%	44%	46%	48%	49%	43%	45%	47%	49%	50%	51%	45%	47%	49%	50%	51%	52%
20	21%	22%	22%	23%	23%	23%	30%	32%	34%	35%	36%	37%	35%	38%	40%	42%	44%	46%	39%	42%	44%	46%	48%	49%	42%	44%	46%	48%	49%	51%
25	17%	18%	19%	19%	19%	19%	26%	27%	29%	30%	31%	32%	32%	34%	36%	38%	40%	41%	36%	38%	41%	43%	45%	46%	39%	42%	44%	46%	48%	49%
30	15%	15%	16%	16%	16%	16%	23%	24%	26%	27%	27%	28%	28%	31%	33%	34%	36%	37%	33%	35%	38%	40%	42%	43%	36%	39%	41%	43%	45%	47%
35	13%	13%	14%	14%	14%	14%	20%	22%	23%	24%	24%	24%	26%	28%	30%	31%	32%	33%	30%	33%	35%	37%	38%	40%	34%	36%	39%	41%	43%	44%
40	11%	12%	12%	12%	12%	12%	18%	19%	20%	21%	22%	22%	23%	25%	27%	28%	29%	30%	28%	30%	32%	34%	36%	37%	31%	34%	36%	38%	40%	42%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

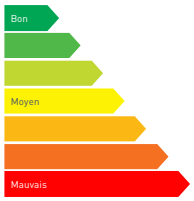
Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,24	0,22	0,19	0,17																										
10	0,46	0,44	0,42	0,40	0,38	0,37	0,30	0,26	0,23	0,20	0,16		0,22	0,18					0,17											
15	0,59	0,57	0,56	0,55	0,55	0,55	0,42	0,39	0,36	0,33	0,30	0,27	0,32	0,28	0,25	0,21	0,17		0,26	0,22	0,18				0,21	0,17				
20	0,67	0,66	0,65	0,65	0,64	0,65	0,51	0,48	0,46	0,43	0,41	0,40	0,41	0,37	0,34	0,30	0,27	0,24	0,33	0,29	0,26	0,22	0,18		0,28	0,24	0,20	0,17		
25							0,58	0,56	0,54	0,52	0,50	0,50	0,48	0,44	0,41	0,38	0,35	0,33	0,40	0,36	0,32	0,29	0,25	0,22	0,34	0,30	0,26	0,22	0,19	
30							0,64	0,62	0,60	0,58	0,57	0,57	0,54	0,50	0,47	0,45	0,43	0,41	0,46	0,42	0,38	0,35	0,32	0,29	0,40	0,36	0,32	0,28	0,24	0,21
35							0,68	0,66	0,64	0,63	0,63	0,62	0,58	0,55	0,53	0,51	0,49	0,48	0,50	0,47	0,44	0,41	0,38	0,36	0,44	0,40	0,37	0,33	0,30	0,26
40								0,70	0,68	0,67	0,67	0,67	0,62	0,60	0,57	0,55	0,54	0,53	0,55	0,51	0,48	0,46	0,43	0,41	0,48	0,45	0,41	0,38	0,35	0,32

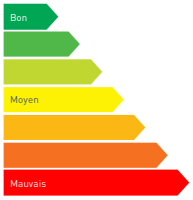
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	20%	18%	16%	12%	9%	6%	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	28%	27%	26%	25%	23%	22%	18%	13%	8%	3%	0%	0%	6%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	34%	33%	32%	31%	30%	28%	25%	23%	20%	16%	12%	8%	16%	11%	6%	1%	0%	0%	7%	3%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
25	40%	38%	37%	35%	34%	33%	29%	27%	25%	23%	20%	19%	23%	20%	15%	9%	3%	1%	15%	9%	5%	0%	0%	0%	8%	4%	0%	0%	0%	0%
30	45%	43%	41%	39%	38%	37%	32%	31%	30%	28%	26%	24%	26%	24%	21%	18%	13%	10%	21%	17%	11%	5%	0%	0%	15%	9%	4%	0%	0%	0%
35	49%	48%	46%	44%	43%	43%	36%	34%	32%	31%	30%	28%	29%	27%	25%	23%	19%	17%	25%	22%	18%	12%	7%	2%	20%	15%	8%	3%	0%	0%
40	52%	51%	49%	48%	47%	46%	40%	37%	35%	34%	32%	31%	32%	31%	28%	26%	24%	21%	27%	25%	23%	19%	14%	10%	23%	20%	15%	8%	3%	0%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	48%	50%	52%	53%	54%	55%	53%	54%	55%	56%	56%	57%	55%	56%	56%	57%	57%	57%	55%	56%	57%	57%	57%	57%	56%	57%	57%	57%	57%	57%
10	37%	39%	40%	42%	43%	43%	46%	48%	50%	52%	54%	55%	50%	52%	54%	55%	56%	56%	52%	54%	55%	56%	56%	57%	53%	55%	56%	56%	57%	57%
15	28%	30%	31%	32%	32%	32%	39%	42%	44%	46%	48%	49%	45%	48%	50%	52%	53%	55%	48%	51%	52%	54%	55%	56%	50%	52%	54%	55%	56%	56%
20	23%	24%	25%	25%	25%	25%	33%	36%	38%	40%	41%	42%	40%	43%	45%	48%	49%	51%	44%	47%	49%	51%	53%	54%	47%	50%	52%	53%	55%	56%
25	19%	20%	21%	21%	21%	21%	29%	31%	33%	35%	36%	36%	36%	39%	41%	43%	45%	46%	41%	44%	46%	48%	50%	52%	44%	47%	49%	51%	53%	54%
30	16%	17%	17%	18%	18%	17%	25%	27%	29%	30%	31%	31%	32%	35%	37%	39%	41%	42%	37%	40%	43%	45%	47%	48%	41%	44%	47%	49%	51%	52%
35	14%	15%	15%	15%	15%	15%	22%	24%	26%	27%	27%	27%	29%	32%	34%	36%	37%	38%	34%	37%	40%	42%	44%	45%	38%	41%	44%	46%	48%	50%
40	12%	13%	13%	13%	13%	13%	20%	22%	23%	24%	24%	24%	26%	29%	31%	32%	33%	34%	32%	34%	37%	39%	41%	41%	36%	39%	41%	44%	46%	47%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

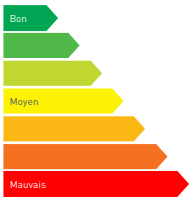
Météo : La Réunion
Orientation : NORD
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,45	0,43	0,41	0,39	0,37	0,35	0,36	0,34	0,32	0,31	0,30	0,28	0,33	0,31	0,30	0,29	0,28	0,27	0,31	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,28	0,27	0,27	0,26
10	0,60	0,59	0,58	0,57	0,56	0,55	0,48	0,46	0,44	0,42	0,39	0,36	0,42	0,40	0,37	0,35	0,33	0,31	0,38	0,36	0,34	0,32	0,31	0,29	0,36	0,33	0,32	0,31	0,29	0,28
15	0,69	0,68	0,67	0,67	0,67	0,67	0,58	0,56	0,54	0,52	0,50	0,48	0,50	0,48	0,45	0,43	0,40	0,37	0,45	0,43	0,40	0,37	0,35	0,33	0,42	0,39	0,37	0,34	0,33	0,31
20							0,64	0,63	0,61	0,60	0,58	0,57	0,57	0,54	0,52	0,50	0,48	0,45	0,51	0,49	0,46	0,43	0,41	0,38	0,47	0,44	0,42	0,39	0,36	0,34
25							0,69	0,67	0,66	0,65	0,65	0,64	0,62	0,60	0,58	0,56	0,54	0,53	0,56	0,54	0,51	0,49	0,46	0,44	0,52	0,49	0,46	0,44	0,41	0,38
30										0,70	0,69	0,69	0,66	0,64	0,62	0,61	0,59	0,58	0,60	0,58	0,56	0,54	0,52	0,50	0,56	0,53	0,51	0,48	0,46	0,43
35													0,69	0,67	0,66	0,65	0,64	0,63	0,63	0,62	0,60	0,58	0,56	0,55	0,59	0,57	0,55	0,52	0,50	0,48
40															0,69	0,68	0,67	0,66	0,66	0,65	0,63	0,61	0,60	0,59	0,62	0,60	0,58	0,56	0,54	0,52

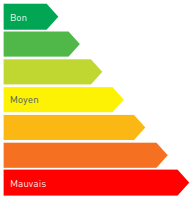
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	25%	24%	22%	20%	19%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	36%	35%	35%	35%	34%	35%	11%	10%	7%	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	41%	40%	39%	39%	39%	39%	25%	22%	19%	16%	14%	12%	7%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	44%	43%	43%	43%	43%	43%	34%	32%	29%	28%	26%	26%	14%	12%	10%	7%	4%	1%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	47%	47%	46%	47%	47%	47%	37%	36%	35%	34%	33%	33%	25%	22%	17%	15%	12%	11%	11%	9%	4%	1%	0%	0%	1%	0%	0%	0%	0%	0%
40	51%	50%	50%	50%	50%	51%	40%	39%	37%	36%	36%	36%	32%	29%	27%	24%	22%	19%	16%	14%	11%	9%	5%	2%	9%	5%	1%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	51%	52%	53%	54%	55%	56%	55%	56%	57%	57%	58%	58%	57%	57%	58%	58%	58%	59%	57%	58%	58%	58%	59%	59%	58%	58%	59%	59%	59%	59%
10	38%	39%	41%	42%	42%	42%	49%	51%	52%	53%	54%	55%	53%	54%	55%	56%	57%	57%	54%	56%	57%	57%	58%	58%	55%	57%	57%	58%	58%	58%
15	29%	30%	31%	31%	31%	30%	42%	44%	46%	48%	49%	49%	49%	50%	52%	53%	54%	55%	51%	53%	54%	55%	56%	57%	53%	54%	56%	56%	57%	58%
20	23%	24%	24%	24%	24%	23%	35%	37%	39%	40%	41%	41%	43%	46%	48%	49%	50%	51%	48%	50%	51%	53%	54%	55%	51%	52%	53%	55%	56%	56%
25	19%	19%	20%	19%	19%	18%	30%	32%	33%	34%	34%	34%	38%	41%	43%	44%	46%	46%	44%	47%	49%	50%	51%	52%	48%	50%	51%	53%	54%	55%
30	16%	16%	16%	16%	16%	15%	26%	28%	29%	29%	29%	29%	34%	36%	38%	40%	40%	41%	40%	43%	45%	47%	48%	49%	45%	47%	49%	50%	52%	53%
35	13%	14%	14%	14%	13%	13%	23%	24%	25%	26%	26%	25%	30%	33%	34%	35%	36%	36%	37%	39%	41%	43%	44%	44%	41%	44%	46%	48%	49%	50%
40	12%	12%	12%	12%	12%	11%	20%	21%	22%	23%	23%	22%	27%	29%	31%	32%	32%	32%	33%	36%	38%	39%	40%	40%	38%	41%	43%	45%	46%	47%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

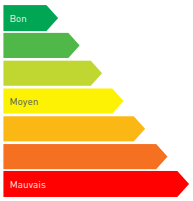
Météo : La Réunion
Orientation : NORD-EST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,41	0,39	0,37	0,35	0,34	0,32	0,34	0,32	0,30	0,29	0,28	0,27	0,31	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,27	0,27	0,26	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,57	0,55	0,54	0,52	0,52	0,51	0,44	0,42	0,39	0,37	0,35	0,33	0,39	0,36	0,34	0,32	0,30	0,29	0,36	0,33	0,31	0,30	0,29	0,28	0,34	0,31	0,30	0,29	0,28	0,27
15	0,67	0,66	0,65	0,65	0,64	0,65	0,53	0,51	0,49	0,47	0,45	0,43	0,46	0,43	0,40	0,38	0,36	0,34	0,41	0,38	0,36	0,34	0,32	0,30	0,38	0,36	0,33	0,31	0,30	0,29
20							0,61	0,58	0,56	0,55	0,54	0,53	0,52	0,49	0,47	0,44	0,42	0,40	0,47	0,44	0,41	0,38	0,36	0,34	0,43	0,40	0,37	0,35	0,33	0,31
25							0,66	0,64	0,63	0,61	0,61	0,61	0,57	0,55	0,52	0,50	0,49	0,47	0,51	0,48	0,46	0,43	0,41	0,39	0,47	0,44	0,41	0,39	0,36	0,34
30								0,69	0,67	0,67	0,66	0,66	0,62	0,59	0,57	0,56	0,54	0,54	0,56	0,53	0,50	0,48	0,46	0,44	0,51	0,48	0,45	0,43	0,40	0,38
35													0,66	0,63	0,62	0,60	0,59	0,59	0,59	0,57	0,54	0,52	0,51	0,49	0,54	0,52	0,49	0,46	0,44	0,42
40													0,69	0,67	0,65	0,64	0,63	0,63	0,63	0,60	0,58	0,56	0,55	0,54	0,58	0,55	0,52	0,50	0,48	0,47

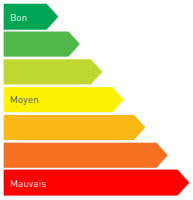
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	16%	13%	9%	6%	3%	1%	5%	2%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	31%	29%	27%	26%	24%	24%	19%	17%	13%	8%	6%	2%	12%	8%	4%	1%	0%	0%	7%	4%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%
15	38%	38%	37%	37%	36%	37%	28%	25%	23%	21%	19%	17%	20%	17%	14%	10%	6%	3%	15%	12%	7%	4%	1%	0%	11%	8%	2%	1%	0%	0%
20	44%	44%	43%	43%	43%	43%	34%	33%	31%	29%	27%	26%	27%	24%	21%	19%	16%	14%	21%	18%	15%	11%	7%	4%	17%	14%	9%	6%	2%	0%
25	48%	48%	48%	48%	48%	48%	38%	37%	36%	35%	34%	34%	32%	30%	26%	24%	23%	21%	26%	23%	21%	17%	15%	11%	21%	18%	15%	11%	7%	4%
30	52%	52%	51%	51%	51%	51%	41%	41%	40%	39%	38%	38%	35%	34%	32%	30%	28%	27%	30%	27%	24%	22%	21%	18%	25%	22%	19%	17%	14%	9%
35	55%	54%	54%	54%	54%	55%	45%	44%	43%	43%	42%	42%	38%	37%	36%	34%	33%	33%	34%	32%	29%	26%	24%	23%	29%	26%	23%	21%	18%	16%
40	56%	56%	56%	56%	56%	56%	47%	47%	46%	46%	45%	45%	41%	39%	38%	37%	36%	36%	35%	35%	33%	31%	29%	27%	32%	30%	26%	24%	22%	21%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	51%	53%	55%	56%	58%	58%	57%	59%	60%	60%	60%	61%	59%	60%	61%	61%	61%	61%	60%	61%	61%	61%	61%	61%	60%	61%	61%	61%	61%	61%
10	37%	39%	41%	42%	43%	43%	49%	52%	54%	56%	57%	58%	54%	56%	58%	59%	59%	60%	56%	58%	59%	60%	60%	61%	58%	59%	60%	60%	61%	61%
15	28%	29%	30%	31%	31%	30%	41%	44%	46%	48%	49%	50%	48%	51%	53%	55%	57%	58%	52%	55%	57%	58%	59%	60%	54%	57%	58%	59%	60%	60%
20	22%	23%	24%	24%	24%	23%	34%	37%	39%	40%	41%	42%	42%	45%	48%	50%	52%	53%	47%	51%	53%	55%	56%	58%	51%	54%	56%	57%	58%	59%
25	18%	19%	19%	19%	19%	18%	29%	31%	33%	34%	35%	35%	37%	40%	43%	45%	46%	47%	43%	46%	49%	51%	53%	54%	47%	50%	53%	55%	56%	57%
30	15%	15%	16%	16%	16%	15%	25%	27%	28%	29%	30%	29%	33%	36%	38%	40%	41%	41%	39%	42%	45%	47%	49%	50%	43%	47%	50%	52%	53%	55%
35	12%	13%	13%	13%	13%	13%	22%	23%	25%	25%	26%	25%	29%	32%	34%	35%	36%	37%	35%	38%	41%	43%	45%	45%	40%	43%	46%	49%	50%	52%
40	11%	11%	11%	11%	11%	11%	19%	21%	22%	22%	23%	22%	26%	29%	30%	32%	32%	32%	32%	35%	38%	39%	41%	41%	37%	40%	43%	45%	47%	48%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

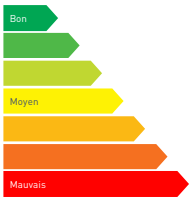
Météo : La Réunion
Orientation : EST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,42	0,40	0,37	0,35	0,33	0,31	0,34	0,31	0,29	0,28	0,28	0,27	0,31	0,29	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26	0,28	0,27	0,27	0,26	0,26	0,26
10	0,59	0,57	0,55	0,54	0,53	0,53	0,46	0,42	0,39	0,37	0,34	0,32	0,39	0,36	0,33	0,31	0,30	0,29	0,36	0,32	0,30	0,29	0,28	0,27	0,33	0,30	0,29	0,28	0,28	0,27
15	0,69	0,68	0,67	0,66	0,66	0,66	0,56	0,53	0,50	0,47	0,45	0,44	0,47	0,43	0,40	0,37	0,35	0,33	0,42	0,38	0,35	0,33	0,31	0,30	0,39	0,35	0,32	0,31	0,29	0,28
20							0,63	0,60	0,58	0,56	0,55	0,54	0,54	0,51	0,47	0,45	0,42	0,40	0,48	0,44	0,41	0,38	0,35	0,33	0,44	0,40	0,37	0,34	0,32	0,30
25							0,69	0,66	0,64	0,63	0,62	0,62	0,60	0,57	0,54	0,51	0,49	0,48	0,54	0,50	0,46	0,43	0,41	0,38	0,49	0,45	0,41	0,38	0,35	0,33
30									0,69	0,68	0,68	0,68	0,65	0,62	0,59	0,57	0,56	0,55	0,58	0,55	0,51	0,49	0,46	0,44	0,53	0,49	0,46	0,42	0,40	0,37
35													0,68	0,66	0,64	0,62	0,61	0,60	0,62	0,59	0,56	0,53	0,51	0,50	0,57	0,53	0,50	0,47	0,44	0,42
40														0,69	0,67	0,66	0,65	0,64	0,65	0,62	0,60	0,58	0,56	0,55	0,60	0,57	0,54	0,51	0,49	0,47

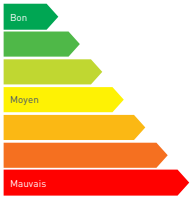
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	27%	25%	24%	22%	19%	16%	21%	16%	10%	10%	8%	8%	16%	9%	9%	8%	7%	7%	10%	9%	8%	8%	7%	7%	8%	9%	7%	8%	6%	6%
10	37%	36%	35%	34%	34%	33%	28%	27%	25%	24%	20%	17%	25%	22%	17%	12%	11%	9%	23%	17%	11%	11%	9%	8%	20%	12%	10%	9%	8%	8%
15	45%	44%	43%	43%	42%	42%	36%	34%	31%	29%	29%	27%	30%	28%	26%	24%	21%	17%	27%	24%	21%	14%	12%	11%	25%	22%	14%	11%	11%	9%
20	48%	48%	47%	47%	47%	47%	41%	39%	37%	35%	35%	34%	35%	32%	29%	29%	27%	25%	31%	28%	26%	24%	21%	17%	28%	25%	23%	18%	12%	11%
25	52%	51%	51%	51%	51%	51%	44%	43%	42%	41%	40%	40%	38%	36%	34%	33%	31%	29%	34%	31%	29%	27%	26%	24%	31%	29%	26%	24%	21%	18%
30	54%	53%	53%	53%	53%	53%	47%	46%	46%	45%	44%	44%	42%	40%	38%	36%	35%	34%	37%	35%	33%	30%	29%	28%	34%	31%	29%	27%	26%	24%
35	55%	55%	55%	55%	55%	55%	49%	48%	48%	47%	47%	46%	44%	43%	42%	41%	39%	39%	40%	38%	35%	34%	33%	31%	36%	34%	32%	29%	28%	26%
40	56%	56%	56%	56%	56%	57%	51%	50%	49%	49%	49%	48%	46%	45%	44%	43%	43%	42%	43%	41%	39%	37%	35%	34%	39%	36%	34%	32%	30%	29%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	48%	50%	52%	54%	55%	56%	54%	56%	57%	58%	58%	58%	56%	58%	58%	58%	59%	59%	57%	58%	59%	59%	59%	59%	58%	59%	59%	59%	59%	59%
10	35%	37%	39%	40%	40%	41%	46%	49%	51%	53%	54%	55%	51%	53%	55%	56%	57%	58%	53%	56%	57%	57%	58%	58%	55%	57%	58%	58%	58%	59%
15	26%	28%	29%	29%	30%	29%	38%	41%	43%	45%	47%	48%	45%	48%	50%	52%	54%	55%	48%	52%	54%	55%	56%	57%	51%	54%	56%	57%	57%	58%
20	21%	22%	23%	23%	23%	22%	32%	34%	36%	38%	39%	40%	39%	42%	45%	47%	49%	50%	44%	47%	50%	52%	54%	55%	47%	50%	53%	55%	56%	57%
25	17%	18%	18%	19%	18%	18%	27%	29%	31%	32%	33%	33%	34%	37%	40%	42%	43%	44%	40%	43%	46%	48%	50%	51%	44%	47%	50%	52%	54%	55%
30	14%	15%	15%	15%	15%	15%	23%	25%	27%	28%	28%	28%	31%	33%	36%	37%	39%	39%	36%	39%	42%	44%	46%	47%	40%	44%	46%	49%	51%	52%
35	12%	13%	13%	13%	13%	12%	21%	22%	23%	24%	25%	24%	27%	30%	32%	33%	34%	35%	33%	36%	38%	40%	42%	43%	37%	40%	43%	45%	47%	49%
40	10%	11%	11%	11%	11%	11%	18%	20%	21%	21%	22%	21%	25%	27%	29%	30%	31%	31%	30%	33%	35%	37%	38%	39%	34%	38%	40%	42%	44%	45%



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Météo : La Réunion
Orientation : SUD-EST
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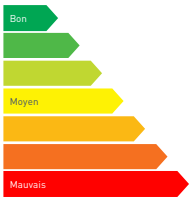
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,43	0,40	0,38	0,36	0,34	0,32	0,35	0,32	0,30	0,29	0,28	0,27	0,31	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,27	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,59	0,57	0,56	0,54	0,54	0,53	0,46	0,43	0,41	0,38	0,36	0,33	0,40	0,37	0,34	0,32	0,31	0,29	0,36	0,33	0,31	0,30	0,29	0,28	0,34	0,31	0,30	0,29	0,28	0,27
15	0,69	0,68	0,67	0,66	0,66	0,66	0,56	0,53	0,51	0,48	0,46	0,45	0,48	0,45	0,42	0,39	0,36	0,34	0,43	0,39	0,37	0,34	0,32	0,30	0,40	0,36	0,34	0,32	0,30	0,29
20							0,63	0,61	0,59	0,57	0,56	0,55	0,54	0,51	0,49	0,46	0,44	0,42	0,49	0,45	0,42	0,39	0,37	0,34	0,45	0,41	0,38	0,36	0,33	0,31
25							0,68	0,66	0,65	0,63	0,63	0,62	0,60	0,57	0,55	0,52	0,51	0,49	0,54	0,51	0,48	0,45	0,42	0,40	0,49	0,46	0,43	0,40	0,37	0,35
30									0,69	0,68	0,68	0,68	0,64	0,62	0,60	0,58	0,56	0,55	0,58	0,55	0,52	0,50	0,48	0,46	0,53	0,50	0,47	0,44	0,42	0,39
35													0,68	0,66	0,64	0,62	0,61	0,61	0,62	0,59	0,57	0,54	0,53	0,51	0,57	0,54	0,51	0,48	0,46	0,44
40														0,69	0,67	0,66	0,65	0,65	0,65	0,62	0,60	0,58	0,57	0,56	0,60	0,57	0,54	0,52	0,50	0,48

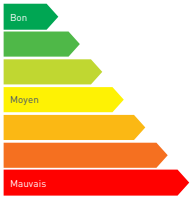
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	17%	15%	11%	6%	4%	2%	5%	2%	1%	1%	0%	0%	2%	1%	1%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
10	25%	24%	23%	23%	23%	22%	20%	17%	14%	9%	5%	2%	14%	8%	2%	1%	1%	1%	8%	2%	1%	1%	1%	0%	4%	1%	1%	1%	0%	0%
15	34%	33%	32%	31%	31%	31%	24%	23%	21%	20%	19%	18%	20%	18%	15%	11%	6%	2%	17%	12%	6%	1%	1%	1%	13%	7%	1%	1%	1%	1%
20	40%	39%	39%	39%	39%	39%	29%	27%	25%	24%	24%	23%	23%	22%	21%	19%	16%	14%	21%	19%	15%	11%	6%	2%	18%	14%	8%	3%	1%	1%
25	44%	44%	43%	43%	43%	43%	33%	32%	31%	29%	28%	28%	27%	24%	24%	23%	21%	20%	23%	22%	20%	18%	15%	12%	21%	19%	16%	11%	6%	2%
30	47%	47%	47%	47%	47%	47%	38%	37%	35%	34%	33%	33%	30%	28%	27%	25%	24%	23%	25%	24%	23%	21%	20%	19%	23%	22%	20%	17%	14%	11%
35	50%	50%	50%	50%	50%	50%	41%	40%	39%	38%	38%	38%	33%	32%	30%	28%	27%	27%	28%	26%	24%	24%	23%	21%	24%	23%	22%	20%	19%	16%
40	52%	52%	51%	51%	51%	51%	43%	43%	42%	41%	41%	40%	36%	35%	33%	32%	31%	31%	31%	29%	27%	26%	24%	24%	27%	25%	24%	23%	21%	20%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	39%	40%	41%	43%	44%	45%	44%	45%	46%	47%	47%	48%	46%	47%	47%	48%	48%	48%	47%	47%	48%	48%	48%	48%	47%	48%	48%	48%	48%	49%
10	28%	30%	31%	31%	32%	32%	37%	38%	40%	41%	43%	44%	41%	42%	44%	45%	46%	47%	43%	44%	46%	46%	47%	47%	44%	46%	46%	47%	47%	48%
15	22%	23%	23%	24%	24%	23%	31%	32%	34%	35%	36%	37%	36%	38%	39%	41%	42%	44%	39%	41%	42%	44%	45%	46%	41%	43%	44%	45%	46%	47%
20	18%	18%	19%	19%	19%	18%	26%	27%	29%	30%	30%	31%	32%	33%	35%	37%	38%	39%	35%	37%	39%	41%	42%	43%	38%	40%	42%	43%	44%	45%
25	15%	15%	15%	15%	15%	15%	23%	24%	25%	25%	26%	26%	28%	30%	31%	32%	34%	34%	32%	34%	36%	37%	39%	40%	35%	37%	39%	40%	42%	43%
30	13%	13%	13%	13%	13%	13%	20%	21%	22%	22%	22%	22%	25%	27%	28%	29%	30%	30%	29%	31%	33%	34%	35%	36%	32%	34%	36%	38%	39%	41%
35	11%	11%	11%	11%	11%	11%	18%	18%	19%	19%	20%	20%	23%	24%	25%	26%	27%	27%	27%	28%	30%	31%	32%	33%	30%	32%	34%	35%	36%	38%
40	10%	10%	10%	10%	10%	9%	16%	17%	17%	17%	17%	17%	21%	22%	23%	24%	24%	24%	25%	26%	28%	29%	30%	30%	28%	30%	31%	33%	34%	35%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

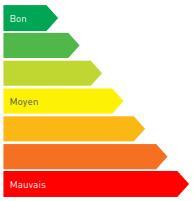
Météo : La Réunion
Orientation : SUD
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,45	0,44	0,42	0,40	0,38	0,35	0,37	0,35	0,33	0,31	0,30	0,29	0,33	0,31	0,30	0,29	0,28	0,27	0,31	0,29	0,29	0,28	0,27	0,27	0,30	0,28	0,28	0,28	0,27	0,26
10	0,62	0,60	0,59	0,58	0,57	0,57	0,49	0,47	0,45	0,43	0,40	0,37	0,43	0,40	0,38	0,36	0,34	0,31	0,39	0,36	0,34	0,33	0,31	0,29	0,36	0,34	0,32	0,31	0,30	0,28
15			0,69	0,69	0,69	0,69	0,59	0,57	0,55	0,53	0,51	0,50	0,51	0,49	0,46	0,44	0,41	0,38	0,46	0,44	0,41	0,38	0,36	0,33	0,43	0,40	0,37	0,35	0,33	0,31
20							0,66	0,64	0,63	0,61	0,60	0,59	0,58	0,56	0,54	0,51	0,49	0,47	0,52	0,50	0,47	0,44	0,42	0,39	0,48	0,45	0,43	0,40	0,37	0,35
25								0,69	0,68	0,67	0,67	0,66	0,63	0,61	0,59	0,58	0,56	0,54	0,57	0,55	0,53	0,50	0,48	0,45	0,53	0,50	0,48	0,45	0,42	0,39
30													0,67	0,66	0,64	0,63	0,61	0,60	0,62	0,60	0,58	0,55	0,53	0,51	0,57	0,55	0,52	0,50	0,47	0,44
35														0,69	0,68	0,67	0,66	0,65	0,65	0,63	0,62	0,60	0,58	0,56	0,60	0,58	0,56	0,54	0,51	0,49
40																	0,69	0,69	0,68	0,66	0,65	0,63	0,62	0,61	0,64	0,62	0,60	0,58	0,56	0,54

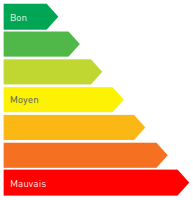
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	16%	15%	14%	14%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	29%	29%	29%	28%	28%	28%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	34%	34%	34%	34%	34%	34%	11%	10%	7%	5%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	38%	38%	37%	37%	37%	37%	18%	17%	15%	13%	12%	12%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	41%	41%	40%	40%	40%	41%	28%	27%	24%	22%	19%	18%	8%	6%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	30%	31%	32%	33%	33%	34%	35%	35%	36%	37%	37%	38%	36%	37%	37%	38%	38%	39%	37%	38%	38%	38%	39%	39%	38%	38%	38%	39%	39%	39%
10	22%	23%	23%	23%	24%	24%	29%	29%	30%	31%	32%	34%	32%	33%	34%	35%	36%	36%	34%	35%	35%	36%	37%	38%	35%	36%	36%	37%	37%	38%
15	17%	17%	18%	18%	18%	18%	24%	24%	25%	26%	27%	28%	28%	29%	30%	31%	32%	33%	30%	31%	32%	33%	34%	36%	32%	33%	34%	35%	36%	37%
20	14%	14%	14%	14%	14%	14%	20%	21%	21%	22%	22%	23%	24%	25%	26%	27%	28%	29%	27%	28%	29%	30%	32%	33%	29%	30%	31%	33%	34%	35%
25	12%	12%	12%	12%	12%	12%	17%	18%	18%	19%	19%	19%	22%	22%	23%	24%	24%	25%	25%	26%	26%	27%	29%	30%	27%	28%	29%	30%	31%	33%
30	10%	10%	10%	10%	10%	10%	15%	16%	16%	16%	16%	17%	19%	20%	21%	21%	22%	22%	23%	23%	24%	25%	26%	27%	25%	26%	27%	28%	29%	30%
35	9%	9%	9%	9%	9%	9%	14%	14%	14%	14%	15%	15%	18%	18%	19%	19%	19%	20%	21%	21%	22%	23%	23%	24%	23%	24%	25%	26%	27%	28%
40	8%	8%	8%	8%	8%	8%	12%	13%	13%	13%	13%	13%	16%	16%	17%	17%	18%	18%	19%	20%	20%	21%	21%	22%	21%	22%	23%	24%	25%	25%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

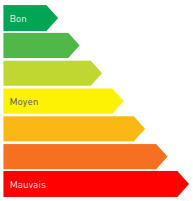
Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,43	0,41	0,39	0,37	0,35	0,33	0,35	0,33	0,31	0,30	0,29	0,28	0,32	0,30	0,29	0,28	0,27	0,27	0,30	0,28	0,28	0,27	0,27	0,26	0,29	0,28	0,27	0,27	0,26	0,26
10	0,59	0,58	0,56	0,55	0,54	0,54	0,47	0,44	0,42	0,39	0,37	0,34	0,41	0,38	0,35	0,33	0,31	0,30	0,37	0,34	0,32	0,31	0,30	0,28	0,35	0,32	0,30	0,30	0,29	0,28
15	0,69	0,68	0,67	0,67	0,66	0,67	0,56	0,54	0,52	0,49	0,47	0,46	0,49	0,46	0,43	0,40	0,38	0,35	0,44	0,40	0,38	0,35	0,33	0,31	0,40	0,37	0,35	0,33	0,31	0,30
20							0,63	0,61	0,59	0,58	0,56	0,56	0,55	0,52	0,50	0,47	0,45	0,43	0,49	0,46	0,43	0,41	0,38	0,35	0,45	0,42	0,39	0,37	0,34	0,32
25							0,69	0,67	0,65	0,64	0,63	0,63	0,60	0,58	0,56	0,54	0,52	0,50	0,55	0,52	0,49	0,46	0,44	0,41	0,50	0,47	0,44	0,41	0,38	0,36
30									0,70	0,69	0,68	0,68	0,65	0,63	0,61	0,59	0,57	0,56	0,59	0,56	0,53	0,51	0,49	0,47	0,54	0,51	0,48	0,45	0,43	0,40
35													0,68	0,66	0,65	0,63	0,62	0,61	0,62	0,60	0,58	0,55	0,54	0,52	0,58	0,55	0,52	0,49	0,47	0,45
40														0,69	0,68	0,67	0,66	0,66	0,66	0,63	0,61	0,59	0,58	0,57	0,61	0,58	0,56	0,53	0,51	0,49

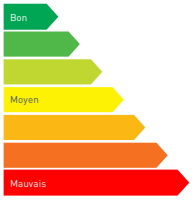
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	11%	8%	4%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	21%	20%	20%	19%	18%	18%	14%	11%	7%	2%	0%	0%	7%	2%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
15	26%	25%	25%	25%	24%	24%	20%	19%	17%	16%	13%	11%	16%	13%	8%	3%	0%	0%	10%	5%	1%	0%	0%	0%	6%	1%	0%	0%	0%	0%
20	30%	30%	30%	29%	29%	29%	23%	22%	21%	20%	19%	19%	19%	18%	16%	13%	10%	7%	16%	14%	8%	3%	1%	0%	12%	7%	2%	0%	0%	0%
25	34%	34%	33%	33%	33%	33%	26%	25%	24%	24%	23%	23%	22%	21%	19%	19%	17%	16%	19%	17%	15%	12%	8%	5%	17%	14%	9%	3%	1%	0%
30	37%	37%	37%	37%	36%	36%	28%	28%	27%	27%	27%	26%	24%	23%	22%	21%	20%	19%	21%	20%	18%	17%	15%	12%	19%	17%	14%	11%	7%	3%
35	40%	39%	39%	39%	39%	39%	31%	31%	30%	30%	29%	29%	26%	25%	24%	23%	23%	22%	23%	22%	20%	19%	18%	17%	20%	19%	17%	15%	13%	10%
40	42%	41%	41%	41%	41%	41%	33%	33%	33%	32%	32%	31%	28%	27%	27%	26%	24%	24%	24%	23%	22%	21%	20%	19%	22%	21%	19%	18%	16%	15%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	34%	35%	36%	37%	38%	39%	38%	40%	40%	41%	41%	42%	40%	41%	42%	42%	42%	43%	41%	42%	42%	42%	43%	43%	42%	42%	42%	43%	43%	43%
10	25%	26%	26%	27%	27%	27%	32%	33%	35%	36%	37%	38%	36%	37%	38%	39%	40%	41%	38%	39%	40%	40%	41%	42%	39%	40%	41%	41%	42%	42%
15	20%	20%	20%	21%	20%	20%	27%	28%	29%	30%	31%	32%	31%	33%	34%	35%	36%	38%	34%	35%	37%	38%	39%	40%	36%	37%	38%	39%	40%	41%
20	16%	16%	16%	16%	16%	16%	23%	24%	25%	25%	26%	26%	28%	29%	30%	31%	32%	33%	31%	32%	34%	35%	36%	37%	33%	35%	36%	37%	38%	39%
25	13%	14%	14%	14%	13%	13%	20%	21%	21%	22%	22%	22%	25%	26%	27%	28%	29%	29%	28%	29%	31%	32%	33%	34%	31%	32%	33%	35%	36%	37%
30	11%	12%	12%	12%	11%	11%	18%	18%	19%	19%	19%	19%	22%	23%	24%	25%	25%	26%	26%	27%	28%	29%	30%	31%	28%	30%	31%	32%	33%	35%
35	10%	10%	10%	10%	10%	10%	16%	16%	17%	17%	17%	17%	20%	21%	22%	22%	23%	23%	24%	25%	26%	27%	27%	28%	26%	28%	29%	30%	31%	32%
40	9%	9%	9%	9%	9%	9%	14%	15%	15%	15%	15%	15%	18%	19%	20%	20%	21%	21%	22%	23%	24%	24%	25%	26%	24%	26%	27%	28%	29%	30%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

OUEST

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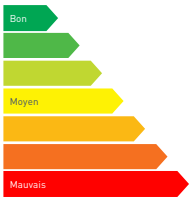
Météo : La Réunion
Orientation : OUEST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,43	0,40	0,38	0,36	0,34	0,32	0,34	0,32	0,30	0,29	0,28	0,27	0,31	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,27	0,27	0,26	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,59	0,57	0,56	0,54	0,53	0,53	0,46	0,43	0,40	0,38	0,35	0,33	0,40	0,37	0,34	0,32	0,30	0,29	0,36	0,33	0,31	0,30	0,29	0,28	0,34	0,31	0,30	0,29	0,28	0,27
15	0,69	0,68	0,67	0,66	0,66	0,66	0,56	0,53	0,50	0,48	0,46	0,44	0,48	0,44	0,41	0,38	0,36	0,34	0,43	0,39	0,36	0,34	0,32	0,30	0,39	0,36	0,33	0,31	0,30	0,29
20							0,63	0,61	0,58	0,57	0,55	0,55	0,55	0,51	0,48	0,46	0,43	0,41	0,49	0,45	0,42	0,39	0,36	0,34	0,45	0,41	0,38	0,35	0,33	0,31
25							0,68	0,66	0,65	0,63	0,62	0,62	0,60	0,57	0,54	0,52	0,50	0,49	0,54	0,50	0,47	0,44	0,42	0,39	0,49	0,45	0,42	0,39	0,37	0,34
30									0,69	0,68	0,68	0,68	0,65	0,62	0,60	0,58	0,56	0,55	0,58	0,55	0,52	0,49	0,47	0,45	0,53	0,50	0,46	0,44	0,41	0,39
35													0,68	0,66	0,64	0,62	0,61	0,61	0,62	0,59	0,56	0,54	0,52	0,51	0,57	0,54	0,51	0,48	0,45	0,43
40														0,69	0,67	0,66	0,65	0,65	0,65	0,63	0,60	0,58	0,57	0,56	0,60	0,57	0,54	0,52	0,50	0,48

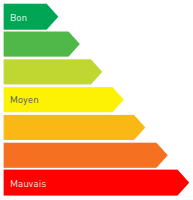
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	24%	22%	20%	17%	10%	6%	16%	7%	3%	3%	2%	2%	9%	3%	2%	2%	2%	1%	3%	3%	2%	2%	1%	1%	2%	2%	1%	2%	1%	1%
10	29%	29%	29%	29%	28%	27%	26%	25%	22%	19%	12%	8%	22%	18%	9%	5%	4%	3%	17%	10%	4%	4%	3%	2%	15%	6%	3%	3%	2%	2%
15	34%	34%	34%	33%	33%	33%	29%	28%	27%	27%	25%	24%	26%	25%	22%	20%	13%	9%	24%	20%	15%	8%	4%	4%	21%	16%	8%	4%	4%	3%
20	40%	39%	38%	38%	38%	37%	31%	30%	30%	29%	29%	29%	28%	28%	27%	25%	24%	22%	26%	25%	23%	20%	14%	9%	25%	22%	17%	11%	6%	4%
25	46%	46%	45%	45%	45%	45%	34%	34%	33%	32%	31%	31%	30%	29%	29%	28%	27%	26%	28%	27%	27%	24%	23%	21%	27%	25%	24%	21%	14%	9%
30	50%	50%	49%	49%	49%	49%	37%	36%	36%	35%	35%	34%	32%	32%	30%	29%	29%	29%	30%	29%	28%	27%	26%	24%	28%	27%	26%	24%	22%	20%
35	53%	52%	52%	52%	52%	52%	41%	39%	38%	38%	37%	37%	34%	34%	33%	32%	31%	30%	31%	30%	29%	29%	28%	27%	30%	29%	27%	26%	25%	24%
40	54%	54%	53%	54%	54%	54%	45%	43%	42%	41%	40%	40%	36%	36%	35%	34%	33%	33%	33%	32%	30%	30%	29%	29%	30%	29%	29%	28%	27%	26%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	42%	43%	44%	45%	47%	47%	47%	48%	49%	49%	50%	50%	48%	49%	50%	50%	51%	51%	49%	50%	50%	51%	51%	51%	50%	51%	51%	51%	51%	51%
10	31%	32%	33%	34%	34%	34%	40%	41%	43%	44%	46%	47%	44%	45%	47%	48%	49%	49%	46%	47%	48%	49%	50%	50%	47%	48%	49%	50%	50%	51%
15	24%	24%	25%	25%	25%	25%	33%	35%	37%	38%	39%	40%	39%	41%	42%	44%	45%	47%	42%	44%	45%	47%	48%	49%	44%	46%	47%	48%	49%	50%
20	19%	20%	20%	20%	20%	19%	28%	30%	31%	32%	33%	33%	34%	36%	38%	40%	41%	42%	38%	40%	42%	44%	45%	46%	41%	43%	45%	46%	47%	48%
25	16%	16%	16%	16%	16%	16%	24%	26%	27%	28%	28%	28%	30%	32%	34%	35%	36%	37%	35%	37%	39%	40%	42%	43%	38%	40%	42%	44%	45%	46%
30	13%	14%	14%	14%	14%	13%	21%	22%	23%	24%	24%	24%	27%	29%	30%	32%	32%	33%	32%	34%	36%	37%	38%	39%	35%	37%	39%	41%	42%	44%
35	12%	12%	12%	12%	12%	11%	19%	20%	21%	21%	21%	21%	24%	26%	27%	28%	29%	29%	29%	31%	33%	34%	35%	36%	33%	35%	37%	38%	40%	41%
40	10%	10%	11%	10%	10%	10%	17%	18%	18%	19%	19%	19%	22%	24%	25%	26%	26%	26%	27%	28%	30%	31%	32%	33%	30%	32%	34%	36%	37%	38%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

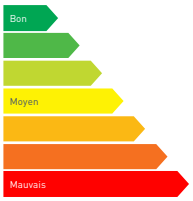
Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,42	0,40	0,38	0,36	0,34	0,32	0,34	0,32	0,30	0,29	0,28	0,27	0,31	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,58	0,56	0,54	0,53	0,53	0,52	0,45	0,43	0,40	0,38	0,36	0,34	0,40	0,37	0,35	0,33	0,31	0,29	0,36	0,34	0,32	0,30	0,29	0,28	0,34	0,32	0,30	0,29	0,28	0,27
15	0,67	0,66	0,65	0,65	0,65	0,65	0,54	0,52	0,50	0,48	0,46	0,44	0,47	0,44	0,42	0,39	0,37	0,34	0,42	0,39	0,37	0,35	0,33	0,31	0,39	0,36	0,34	0,32	0,31	0,29
20							0,61	0,59	0,57	0,56	0,55	0,54	0,53	0,50	0,48	0,46	0,44	0,41	0,48	0,45	0,42	0,40	0,37	0,35	0,44	0,41	0,38	0,36	0,34	0,32
25							0,67	0,65	0,63	0,62	0,61	0,61	0,58	0,56	0,54	0,52	0,50	0,48	0,52	0,50	0,47	0,45	0,42	0,40	0,48	0,45	0,42	0,40	0,37	0,35
30								0,69	0,68	0,67	0,67	0,67	0,63	0,60	0,58	0,57	0,55	0,55	0,57	0,54	0,51	0,49	0,47	0,45	0,52	0,49	0,47	0,44	0,42	0,39
35													0,66	0,64	0,62	0,61	0,60	0,60	0,60	0,58	0,55	0,53	0,52	0,50	0,55	0,53	0,50	0,48	0,46	0,44
40													0,69	0,67	0,66	0,65	0,64	0,64	0,63	0,61	0,59	0,57	0,56	0,55	0,59	0,56	0,54	0,51	0,49	0,48

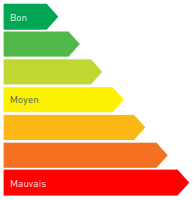
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	12%	9%	5%	3%	1%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	23%	23%	22%	21%	21%	20%	16%	13%	9%	6%	2%	1%	8%	4%	1%	0%	0%	0%	3%	1%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
15	29%	29%	29%	28%	28%	28%	22%	21%	19%	18%	15%	14%	17%	14%	10%	6%	2%	1%	12%	7%	3%	1%	0%	0%	7%	4%	1%	0%	0%	0%
20	34%	34%	34%	34%	34%	34%	26%	25%	24%	23%	22%	21%	21%	19%	18%	15%	12%	9%	17%	15%	11%	7%	3%	1%	14%	10%	5%	2%	0%	0%
25	40%	38%	38%	38%	38%	38%	29%	29%	28%	27%	27%	26%	24%	23%	22%	20%	19%	18%	21%	19%	16%	14%	10%	7%	17%	15%	11%	7%	3%	1%
30	44%	44%	43%	43%	43%	44%	33%	32%	31%	30%	30%	29%	27%	26%	25%	24%	23%	22%	23%	22%	20%	18%	16%	15%	20%	18%	16%	13%	9%	6%
35	48%	48%	47%	47%	47%	48%	35%	35%	34%	34%	33%	33%	29%	29%	28%	27%	26%	25%	25%	24%	23%	22%	20%	19%	23%	21%	19%	17%	15%	12%
40	52%	51%	51%	51%	51%	52%	38%	37%	35%	35%	35%	35%	31%	31%	30%	29%	29%	28%	28%	27%	25%	24%	23%	22%	24%	24%	22%	20%	18%	17%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	46%	48%	49%	50%	51%	52%	51%	52%	53%	54%	54%	55%	53%	54%	54%	55%	55%	55%	54%	55%	55%	55%	55%	55%	54%	55%	55%	55%	55%	56%
10	34%	36%	37%	38%	38%	38%	44%	46%	48%	49%	50%	52%	48%	50%	51%	52%	53%	54%	50%	52%	53%	54%	54%	55%	52%	53%	54%	54%	54%	55%
15	26%	27%	28%	28%	28%	28%	37%	40%	41%	43%	44%	45%	43%	46%	47%	49%	50%	51%	47%	49%	50%	51%	52%	53%	49%	50%	52%	53%	53%	54%
20	21%	22%	22%	22%	22%	21%	32%	34%	35%	36%	37%	37%	39%	41%	43%	44%	46%	47%	43%	45%	47%	49%	50%	51%	46%	48%	49%	51%	52%	53%
25	17%	18%	18%	18%	18%	17%	27%	29%	30%	31%	32%	32%	34%	37%	39%	40%	41%	42%	39%	42%	44%	45%	47%	48%	43%	45%	47%	48%	50%	51%
30	15%	15%	15%	15%	15%	14%	24%	25%	26%	27%	27%	27%	31%	33%	35%	36%	37%	37%	36%	38%	40%	42%	43%	44%	40%	42%	44%	46%	47%	48%
35	13%	13%	13%	13%	13%	12%	21%	22%	23%	24%	24%	23%	28%	30%	31%	32%	33%	33%	33%	35%	37%	39%	40%	40%	37%	39%	41%	43%	44%	46%
40	11%	11%	11%	11%	11%	11%	19%	20%	21%	21%	21%	21%	25%	27%	28%	29%	29%	29%	30%	32%	34%	35%	36%	37%	34%	37%	39%	40%	42%	43%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : NORD
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,63	0,62	0,61	0,59	0,58	0,56	0,57	0,56	0,55	0,54	0,53	0,52	0,55	0,54	0,53	0,53	0,52	0,51	0,54	0,53	0,52	0,52	0,52	0,51	0,53	0,52	0,52	0,52	0,51	0,51
10							0,66	0,64	0,63	0,61	0,59	0,58	0,62	0,60	0,58	0,57	0,55	0,54	0,59	0,57	0,56	0,55	0,54	0,53	0,57	0,56	0,55	0,54	0,53	0,52
15									0,69	0,68	0,67	0,66	0,67	0,65	0,64	0,62	0,60	0,58	0,64	0,62	0,60	0,58	0,57	0,55	0,61	0,59	0,58	0,56	0,55	0,54
20														0,70	0,68	0,67	0,65	0,64	0,67	0,66	0,64	0,62	0,60	0,58	0,65	0,63	0,61	0,59	0,58	0,56
25																	0,69	0,68		0,69	0,68	0,66	0,64	0,63	0,68	0,66	0,64	0,62	0,61	0,59
30																						0,69	0,68	0,66		0,69	0,67	0,66	0,64	0,62
35																								0,70			0,70	0,68	0,67	0,65
40																													0,69	0,68

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	56%	55%	53%	51%	50%	47%	48%	47%	45%	45%	44%	43%	45%	44%	44%	44%	43%	42%	44%	44%	43%	43%	42%	42%	42%	44%	42%	43%	41%	42%
10	64%	63%	62%	62%	61%	61%	58%	57%	55%	53%	51%	49%	54%	52%	50%	48%	46%	45%	50%	49%	46%	46%	44%	44%	48%	46%	45%	45%	44%	43%
15	70%	69%	68%	68%	68%	68%	63%	62%	60%	59%	58%	58%	59%	58%	57%	54%	52%	50%	57%	54%	52%	50%	47%	46%	53%	52%	49%	47%	46%	44%
20	73%	72%	72%	72%	72%	72%	66%	65%	64%	63%	62%	62%	62%	61%	59%	58%	57%	56%	59%	58%	57%	55%	53%	50%	58%	56%	53%	52%	48%	47%
25	74%	74%	74%	73%	74%	74%	69%	68%	67%	67%	66%	66%	64%	63%	62%	61%	60%	59%	62%	60%	59%	58%	57%	55%	59%	58%	57%	55%	53%	51%
30	75%	74%	74%	74%	74%	74%	71%	71%	70%	69%	69%	69%	67%	66%	65%	64%	63%	62%	64%	63%	61%	60%	59%	58%	62%	60%	59%	58%	56%	54%
35	75%	75%	75%	75%	75%	75%	73%	72%	72%	72%	71%	71%	69%	68%	67%	66%	65%	65%	66%	64%	63%	62%	61%	60%	63%	62%	60%	59%	58%	57%
40	76%	76%	76%	76%	76%	76%	74%	73%	73%	73%	72%	72%	71%	70%	69%	68%	68%	67%	67%	66%	65%	64%	63%	62%	65%	64%	62%	61%	60%	59%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	36%	37%	37%	38%	39%	39%	39%	40%	40%	41%	41%	41%	40%	41%	41%	41%	41%	42%	40%	41%	41%	41%	42%	42%	41%	41%	42%	42%	42%	42%
10	26%	27%	28%	28%	29%	29%	34%	36%	36%	37%	38%	39%	37%	38%	39%	40%	40%	41%	38%	39%	40%	40%	41%	41%	39%	40%	41%	41%	41%	41%
15	19%	20%	20%	21%	21%	20%	28%	30%	32%	33%	34%	34%	34%	35%	36%	37%	38%	39%	36%	37%	38%	39%	39%	40%	37%	38%	39%	40%	40%	41%
20	15%	16%	16%	16%	16%	15%	24%	25%	26%	27%	28%	28%	30%	32%	33%	34%	35%	36%	33%	35%	36%	37%	38%	39%	35%	36%	37%	38%	39%	40%
25	12%	13%	13%	13%	12%	12%	20%	21%	22%	23%	23%	23%	26%	28%	29%	31%	31%	32%	30%	32%	34%	35%	36%	36%	33%	35%	36%	37%	38%	38%
30	10%	10%	11%	11%	10%	10%	17%	18%	19%	20%	20%	20%	23%	25%	26%	27%	28%	28%	27%	29%	31%	32%	33%	34%	31%	33%	34%	35%	36%	37%
35	9%	9%	9%	9%	9%	8%	15%	16%	17%	17%	17%	17%	20%	22%	23%	24%	24%	24%	25%	27%	28%	29%	30%	31%	28%	30%	32%	33%	34%	35%
40	7%	8%	8%	8%	7%	7%	13%	14%	15%	15%	15%	15%	18%	20%	21%	21%	22%	22%	23%	24%	26%	27%	27%	28%	26%	28%	30%	31%	32%	32%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

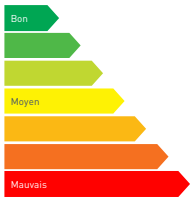
Météo : La Réunion
Orientation : NORD-EST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,61	0,59	0,58	0,57	0,56	0,55	0,56	0,54	0,53	0,53	0,52	0,52	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51	0,53	0,51	0,51	0,51	0,51	0,51
10			0,69	0,68	0,68	0,68	0,63	0,61	0,60	0,58	0,57	0,55	0,59	0,57	0,56	0,55	0,54	0,53	0,57	0,55	0,54	0,53	0,53	0,52	0,56	0,54	0,53	0,53	0,52	0,51
15							0,69	0,67	0,66	0,64	0,63	0,62	0,64	0,62	0,60	0,59	0,57	0,56	0,61	0,59	0,57	0,56	0,55	0,53	0,59	0,57	0,55	0,54	0,53	0,53
20										0,70	0,69	0,69	0,68	0,66	0,65	0,63	0,62	0,60	0,64	0,62	0,61	0,59	0,57	0,56	0,62	0,60	0,58	0,57	0,55	0,54
25														0,70	0,68	0,67	0,66	0,65	0,68	0,66	0,64	0,62	0,61	0,59	0,65	0,63	0,61	0,59	0,58	0,56
30																	0,70	0,69		0,69	0,67	0,65	0,64	0,63	0,67	0,65	0,63	0,62	0,60	0,59
35																					0,70	0,68	0,67	0,66	0,70	0,68	0,66	0,64	0,63	0,62
40																							0,70	0,69		0,70	0,68	0,67	0,65	0,64

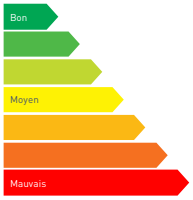
CLD

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	57%	57%	56%	54%	53%	52%	53%	52%	51%	51%	50%	50%	52%	51%	50%	50%	50%	50%	51%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
10	63%	63%	62%	62%	61%	61%	59%	58%	57%	55%	54%	53%	56%	55%	53%	52%	52%	51%	54%	53%	52%	51%	51%	50%	53%	52%	51%	51%	50%	50%
15	67%	67%	67%	66%	66%	66%	62%	61%	60%	59%	59%	58%	59%	58%	57%	56%	54%	53%	57%	56%	55%	53%	52%	51%	56%	55%	53%	52%	51%	51%
20	70%	70%	70%	70%	70%	70%	65%	64%	64%	63%	62%	62%	62%	61%	60%	59%	58%	57%	60%	59%	57%	56%	55%	53%	58%	57%	55%	54%	52%	52%
25	72%	72%	72%	72%	72%	72%	67%	67%	66%	66%	65%	65%	64%	63%	62%	61%	60%	60%	61%	60%	59%	58%	57%	56%	60%	59%	57%	56%	55%	53%
30	73%	73%	73%	73%	73%	73%	69%	69%	68%	68%	67%	67%	66%	65%	64%	63%	63%	62%	63%	62%	61%	60%	59%	59%	61%	60%	59%	58%	57%	56%
35	73%	73%	73%	73%	73%	73%	71%	70%	70%	70%	69%	69%	67%	67%	66%	65%	65%	64%	65%	64%	63%	62%	61%	61%	63%	62%	61%	60%	59%	58%
40	74%	74%	74%	74%	74%	74%	72%	71%	71%	71%	71%	71%	68%	68%	67%	67%	66%	66%	66%	65%	64%	64%	63%	62%	64%	63%	62%	61%	60%	59%



CECC

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	35%	37%	39%	40%	41%	42%	40%	42%	43%	43%	43%	43%	42%	43%	43%	43%	44%	44%	43%	43%	44%	44%	44%	44%	43%	44%	44%	44%	44%	44%
10	25%	27%	28%	29%	29%	29%	34%	36%	38%	39%	40%	41%	38%	40%	41%	42%	42%	43%	39%	41%	42%	43%	43%	43%	41%	42%	43%	43%	43%	44%
15	18%	20%	20%	21%	21%	20%	28%	30%	32%	33%	34%	35%	33%	35%	37%	39%	40%	41%	36%	38%	40%	41%	42%	42%	38%	40%	41%	42%	43%	43%
20	14%	15%	16%	16%	16%	15%	23%	25%	26%	27%	28%	28%	29%	31%	33%	35%	36%	37%	32%	35%	37%	39%	40%	41%	35%	37%	39%	41%	41%	42%
25	12%	12%	12%	13%	12%	12%	19%	21%	22%	23%	23%	23%	25%	27%	29%	31%	32%	32%	29%	32%	34%	36%	37%	38%	32%	35%	37%	38%	40%	41%
30	10%	10%	10%	10%	10%	10%	16%	18%	19%	19%	20%	20%	22%	24%	26%	27%	28%	28%	26%	29%	31%	32%	34%	35%	29%	32%	34%	36%	37%	39%
35	8%	8%	9%	9%	8%	8%	14%	15%	16%	17%	17%	17%	19%	21%	23%	24%	24%	25%	24%	26%	28%	29%	30%	31%	27%	30%	32%	33%	35%	36%
40	7%	7%	7%	7%	7%	7%	12%	14%	14%	15%	15%	15%	17%	19%	20%	21%	22%	22%	21%	24%	25%	27%	28%	28%	25%	27%	29%	31%	32%	33%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : EST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,58	0,57	0,55	0,54	0,56	0,54	0,53	0,52	0,52	0,51	0,54	0,52	0,52	0,52	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,50
10				0,69	0,69	0,68	0,64	0,62	0,59	0,58	0,56	0,55	0,60	0,57	0,55	0,54	0,53	0,52	0,57	0,55	0,54	0,53	0,52	0,52	0,56	0,54	0,53	0,52	0,52	0,51
15								0,68	0,66	0,65	0,63	0,62	0,65	0,62	0,60	0,58	0,57	0,55	0,61	0,59	0,57	0,55	0,54	0,53	0,59	0,57	0,55	0,54	0,53	0,52
20											0,70	0,69	0,70	0,67	0,65	0,63	0,61	0,60	0,65	0,63	0,60	0,59	0,57	0,55	0,63	0,60	0,58	0,56	0,55	0,53
25															0,69	0,68	0,66	0,65	0,69	0,66	0,64	0,62	0,60	0,59	0,66	0,63	0,61	0,59	0,57	0,55
30																		0,70		0,70	0,68	0,66	0,64	0,63	0,69	0,66	0,64	0,62	0,60	0,58
35																						0,69	0,68	0,67		0,69	0,67	0,65	0,63	0,62
40																											0,69	0,67	0,66	0,65

CLD

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	62%	61%	60%	59%	58%	57%	58%	58%	56%	55%	55%	54%	57%	55%	55%	54%	54%	54%	55%	55%	54%	54%	54%	53%	54%	55%	54%	54%	53%	53%
10	68%	68%	67%	67%	67%	66%	63%	62%	61%	60%	59%	58%	61%	60%	58%	57%	56%	55%	59%	58%	56%	56%	55%	54%	58%	57%	56%	55%	55%	54%
15	72%	72%	72%	71%	71%	71%	67%	67%	66%	65%	64%	63%	64%	63%	62%	61%	60%	58%	62%	61%	60%	58%	57%	56%	60%	59%	58%	57%	56%	55%
20	74%	74%	74%	74%	74%	74%	71%	70%	69%	68%	68%	67%	67%	66%	65%	64%	63%	62%	64%	64%	62%	61%	60%	58%	63%	62%	60%	59%	57%	56%
25	76%	76%	76%	76%	75%	76%	72%	72%	71%	71%	71%	70%	69%	69%	68%	67%	66%	65%	67%	66%	65%	64%	62%	61%	65%	64%	62%	61%	60%	59%
30	77%	77%	77%	77%	77%	77%	74%	74%	73%	72%	72%	72%	71%	71%	70%	69%	68%	68%	69%	68%	67%	66%	65%	64%	67%	66%	64%	63%	62%	61%
35	78%	78%	78%	78%	78%	78%	75%	75%	74%	74%	74%	74%	72%	72%	71%	71%	70%	70%	70%	70%	69%	68%	67%	66%	68%	67%	66%	65%	64%	63%
40	78%	78%	78%	78%	78%	78%	76%	75%	75%	75%	75%	74%	74%	73%	72%	72%	71%	71%	71%	71%	70%	69%	68%	68%	70%	69%	68%	67%	66%	65%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	34%	36%	37%	38%	39%	40%	39%	40%	41%	42%	42%	42%	40%	42%	42%	42%	43%	43%	41%	42%	42%	43%	43%	43%	42%	43%	43%	43%	43%	43%
10	24%	25%	26%	27%	28%	28%	32%	34%	36%	38%	39%	40%	36%	38%	40%	41%	41%	42%	38%	40%	41%	42%	42%	42%	39%	41%	42%	42%	42%	43%
15	18%	19%	20%	20%	20%	20%	26%	28%	30%	31%	33%	33%	31%	34%	36%	37%	39%	40%	34%	37%	39%	40%	41%	41%	36%	39%	40%	41%	41%	42%
20	14%	15%	15%	15%	15%	15%	22%	23%	25%	26%	27%	27%	27%	29%	31%	33%	34%	35%	31%	33%	35%	37%	38%	40%	33%	36%	38%	39%	40%	41%
25	11%	12%	12%	12%	12%	12%	18%	20%	21%	22%	22%	23%	23%	26%	28%	29%	30%	31%	27%	30%	32%	34%	35%	36%	30%	33%	35%	37%	38%	39%
30	9%	10%	10%	10%	10%	10%	16%	17%	18%	19%	19%	19%	21%	23%	24%	26%	26%	27%	25%	27%	29%	31%	32%	33%	28%	30%	33%	34%	36%	37%
35	8%	8%	8%	8%	8%	8%	14%	15%	16%	16%	16%	16%	18%	20%	22%	23%	23%	24%	22%	24%	26%	28%	29%	30%	25%	28%	30%	32%	33%	34%
40	7%	7%	7%	7%	7%	7%	12%	13%	14%	14%	14%	14%	16%	18%	19%	20%	21%	21%	20%	22%	24%	25%	26%	27%	23%	26%	28%	29%	31%	32%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

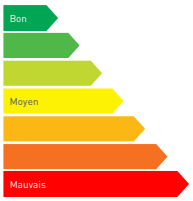
Météo : La Réunion
Orientation : SUD-EST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,59	0,57	0,56	0,55	0,56	0,55	0,54	0,53	0,52	0,52	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51
10				0,70	0,69	0,69	0,64	0,62	0,60	0,59	0,57	0,56	0,60	0,58	0,56	0,55	0,54	0,53	0,58	0,56	0,54	0,53	0,53	0,52	0,56	0,54	0,53	0,53	0,52	0,52
15								0,69	0,67	0,66	0,64	0,63	0,65	0,63	0,61	0,59	0,58	0,56	0,62	0,60	0,58	0,56	0,55	0,54	0,60	0,58	0,56	0,55	0,54	0,53
20												0,70	0,70	0,68	0,66	0,64	0,62	0,61	0,66	0,64	0,61	0,60	0,58	0,56	0,63	0,61	0,59	0,57	0,56	0,54
25															0,70	0,68	0,67	0,66	0,69	0,67	0,65	0,63	0,62	0,60	0,66	0,64	0,62	0,60	0,58	0,56
30																					0,68	0,67	0,65	0,64	0,69	0,67	0,65	0,63	0,61	0,59
35																						0,70	0,68	0,67		0,69	0,67	0,66	0,64	0,63
40																											0,70	0,68	0,67	0,66

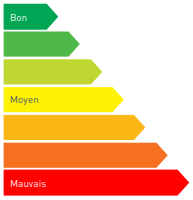
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	59%	58%	57%	56%	55%	54%	54%	54%	52%	52%	52%	51%	53%	52%	52%	52%	51%	51%	52%	52%	51%	51%	51%	51%	51%	52%	51%	51%	51%	51%
10	67%	67%	66%	66%	65%	65%	61%	60%	58%	57%	56%	55%	57%	56%	55%	54%	53%	52%	55%	55%	53%	53%	52%	52%	54%	53%	53%	52%	52%	51%
15	72%	72%	72%	72%	71%	71%	66%	65%	64%	63%	62%	61%	62%	61%	59%	58%	56%	55%	59%	58%	56%	55%	54%	53%	57%	56%	55%	54%	53%	52%
20	74%	74%	74%	74%	74%	74%	70%	69%	69%	68%	67%	66%	65%	65%	63%	62%	60%	59%	62%	61%	60%	58%	56%	55%	60%	59%	57%	56%	54%	53%
25	76%	76%	75%	75%	75%	75%	72%	72%	71%	71%	70%	70%	68%	68%	67%	66%	65%	63%	65%	65%	63%	61%	60%	58%	63%	62%	60%	58%	57%	55%
30	77%	77%	77%	77%	77%	77%	74%	73%	73%	72%	72%	72%	71%	70%	69%	69%	67%	67%	68%	67%	66%	65%	63%	61%	65%	64%	63%	61%	59%	58%
35	77%	77%	77%	77%	77%	77%	75%	74%	74%	74%	73%	73%	72%	72%	71%	71%	70%	69%	69%	69%	68%	67%	66%	65%	67%	66%	65%	64%	62%	60%
40	78%	78%	78%	78%	78%	78%	75%	75%	75%	75%	75%	75%	73%	73%	72%	72%	71%	71%	71%	70%	69%	69%	68%	67%	69%	68%	67%	66%	65%	63%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	27%	28%	29%	30%	31%	31%	31%	32%	32%	33%	33%	34%	32%	33%	33%	33%	34%	34%	33%	33%	34%	34%	34%	34%	33%	34%	34%	34%	34%	34%
10	19%	20%	21%	21%	22%	22%	25%	27%	28%	29%	30%	31%	28%	30%	31%	32%	32%	33%	30%	31%	32%	33%	33%	33%	31%	32%	33%	33%	33%	34%
15	15%	15%	16%	16%	16%	16%	21%	22%	23%	24%	25%	26%	25%	26%	27%	29%	30%	31%	27%	28%	30%	31%	32%	32%	29%	30%	31%	32%	32%	33%
20	12%	12%	13%	13%	13%	12%	18%	19%	20%	20%	21%	21%	22%	23%	24%	25%	26%	27%	24%	26%	27%	28%	29%	30%	26%	28%	29%	30%	31%	32%
25	10%	10%	10%	10%	10%	10%	15%	16%	17%	17%	18%	18%	19%	20%	21%	22%	23%	24%	22%	23%	25%	26%	27%	28%	24%	26%	27%	28%	29%	30%
30	8%	9%	9%	9%	9%	8%	13%	14%	15%	15%	15%	15%	17%	18%	19%	20%	20%	21%	20%	21%	23%	24%	24%	25%	22%	24%	25%	26%	27%	28%
35	7%	7%	7%	7%	7%	7%	12%	12%	13%	13%	13%	13%	15%	16%	17%	18%	18%	18%	18%	19%	21%	21%	22%	23%	21%	22%	23%	24%	25%	26%
40	6%	6%	6%	6%	6%	6%	10%	11%	11%	12%	12%	12%	14%	15%	15%	16%	16%	16%	17%	18%	19%	20%	20%	21%	19%	20%	21%	23%	23%	24%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : SUD
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,64	0,62	0,61	0,60	0,58	0,57	0,58	0,56	0,55	0,54	0,53	0,52	0,55	0,54	0,53	0,53	0,52	0,51	0,54	0,53	0,53	0,52	0,52	0,51	0,53	0,52	0,52	0,52	0,51	0,51
10							0,66	0,65	0,63	0,62	0,60	0,58	0,62	0,60	0,59	0,57	0,56	0,54	0,59	0,58	0,56	0,55	0,54	0,53	0,58	0,56	0,55	0,54	0,53	0,52
15										0,69	0,68	0,66	0,67	0,66	0,64	0,63	0,61	0,59	0,64	0,62	0,61	0,59	0,57	0,56	0,62	0,60	0,58	0,57	0,56	0,54
20															0,69	0,68	0,66	0,64	0,68	0,67	0,65	0,63	0,61	0,59	0,65	0,64	0,62	0,60	0,58	0,56
25																		0,69			0,69	0,67	0,65	0,63	0,69	0,67	0,65	0,63	0,61	0,59
30																							0,69	0,67		0,70	0,68	0,66	0,65	0,63
35																												0,69	0,68	0,66
40																														0,69

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	45%	44%	41%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	61%	60%	60%	59%	58%	58%	49%	48%	45%	42%	39%	0%	41%	40%	0%	0%	0%	0%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	65%	65%	65%	65%	65%	65%	59%	58%	57%	55%	53%	50%	51%	49%	46%	44%	40%	0%	46%	44%	40%	38%	0%	0%	41%	40%	0%	0%	0%	0%
20	68%	68%	68%	67%	67%	67%	64%	63%	62%	61%	60%	59%	59%	57%	56%	54%	50%	46%	53%	51%	47%	44%	41%	38%	47%	46%	42%	39%	0%	0%
25	71%	71%	70%	70%	70%	71%	65%	65%	65%	64%	64%	63%	62%	61%	60%	58%	57%	56%	58%	57%	55%	53%	48%	45%	54%	53%	48%	45%	41%	38%
30	72%	72%	72%	72%	72%	72%	67%	66%	66%	66%	65%	65%	64%	64%	63%	62%	61%	60%	61%	60%	58%	57%	55%	53%	58%	57%	55%	52%	47%	44%
35	74%	74%	73%	73%	73%	74%	69%	68%	67%	67%	67%	67%	65%	65%	64%	64%	63%	63%	64%	63%	61%	60%	58%	57%	60%	59%	57%	56%	53%	50%
40	75%	74%	74%	74%	74%	74%	71%	70%	69%	69%	68%	68%	67%	66%	65%	65%	65%	64%	65%	64%	63%	62%	61%	60%	63%	61%	60%	59%	57%	55%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	21%	21%	22%	22%	23%	24%	24%	24%	25%	25%	26%	26%	25%	26%	26%	26%	26%	27%	26%	26%	26%	27%	27%	27%	26%	26%	27%	27%	27%	27%
10	15%	15%	16%	16%	16%	16%	20%	20%	21%	21%	22%	23%	22%	23%	23%	24%	25%	25%	23%	24%	24%	25%	25%	26%	24%	25%	25%	26%	26%	26%
15	12%	12%	12%	12%	12%	12%	16%	17%	17%	18%	18%	19%	19%	20%	20%	21%	22%	23%	21%	21%	22%	23%	24%	25%	22%	23%	23%	24%	25%	25%
20	9%	9%	10%	10%	9%	9%	14%	14%	14%	15%	15%	15%	17%	17%	18%	18%	19%	20%	19%	19%	20%	21%	22%	23%	20%	21%	22%	22%	23%	24%
25	8%	8%	8%	8%	8%	8%	12%	12%	12%	13%	13%	13%	15%	15%	16%	16%	17%	17%	17%	17%	18%	19%	19%	20%	19%	19%	20%	21%	22%	22%
30	7%	7%	7%	7%	7%	6%	10%	11%	11%	11%	11%	11%	13%	13%	14%	14%	15%	15%	15%	16%	16%	17%	18%	18%	17%	18%	18%	19%	20%	21%
35	6%	6%	6%	6%	6%	5%	9%	9%	10%	10%	10%	10%	12%	12%	13%	13%	13%	13%	14%	14%	15%	15%	16%	16%	16%	16%	17%	17%	18%	19%
40	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	11%	11%	11%	12%	12%	12%	13%	13%	14%	14%	14%	15%	14%	15%	16%	16%	17%	17%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

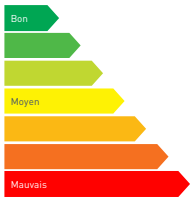
Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,61	0,59	0,58	0,57	0,55	0,57	0,55	0,54	0,53	0,53	0,52	0,55	0,53	0,52	0,52	0,52	0,51	0,53	0,52	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51
10					0,70	0,69	0,65	0,63	0,61	0,59	0,58	0,56	0,61	0,59	0,57	0,55	0,54	0,53	0,58	0,56	0,55	0,54	0,53	0,52	0,57	0,55	0,54	0,53	0,52	0,52
15								0,69	0,68	0,66	0,65	0,64	0,66	0,64	0,62	0,60	0,58	0,57	0,63	0,60	0,58	0,57	0,55	0,54	0,60	0,58	0,56	0,55	0,54	0,53
20														0,68	0,66	0,65	0,63	0,62	0,66	0,64	0,62	0,60	0,59	0,57	0,64	0,61	0,60	0,58	0,56	0,55
25																0,69	0,68	0,67	0,70	0,68	0,66	0,64	0,62	0,61	0,67	0,65	0,63	0,61	0,59	0,57
30																					0,69	0,67	0,66	0,65	0,69	0,67	0,65	0,64	0,62	0,60
35																							0,69	0,68		0,70	0,68	0,66	0,65	0,63
40																												0,69	0,67	0,66

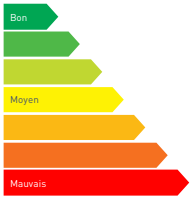
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	51%	51%	49%	49%	47%	46%	47%	46%	45%	45%	44%	44%	45%	44%	44%	44%	44%	43%	44%	44%	44%	44%	43%	43%	43%	44%	43%	44%	43%	43%
10	61%	60%	60%	59%	58%	58%	53%	53%	52%	50%	49%	47%	49%	49%	47%	46%	45%	44%	48%	47%	45%	45%	44%	44%	46%	45%	45%	45%	44%	44%
15	66%	66%	65%	65%	64%	65%	59%	59%	57%	56%	55%	54%	54%	54%	52%	51%	49%	47%	52%	51%	49%	48%	46%	45%	49%	49%	47%	46%	45%	44%
20	70%	70%	69%	69%	69%	69%	63%	62%	62%	61%	60%	59%	59%	58%	56%	56%	54%	52%	55%	55%	53%	51%	49%	48%	53%	52%	50%	48%	46%	46%
25	72%	72%	72%	72%	72%	72%	66%	65%	64%	64%	63%	63%	61%	61%	60%	59%	58%	57%	58%	57%	56%	55%	53%	52%	55%	55%	53%	52%	50%	48%
30	73%	73%	73%	72%	72%	73%	68%	68%	67%	66%	66%	66%	64%	63%	62%	62%	61%	60%	61%	60%	59%	58%	56%	55%	58%	57%	56%	55%	53%	51%
35	73%	73%	73%	73%	73%	73%	70%	70%	69%	69%	68%	68%	66%	65%	64%	63%	63%	62%	63%	62%	61%	60%	59%	58%	60%	60%	58%	57%	55%	54%
40	74%	74%	74%	74%	74%	74%	72%	71%	71%	71%	70%	70%	68%	67%	66%	65%	65%	64%	64%	63%	62%	62%	61%	60%	62%	61%	60%	59%	58%	57%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	23%	24%	25%	25%	26%	27%	27%	27%	28%	28%	29%	29%	28%	29%	29%	29%	29%	30%	29%	29%	29%	29%	30%	30%	29%	29%	30%	30%	30%	30%
10	17%	18%	18%	18%	19%	19%	22%	23%	24%	25%	25%	26%	25%	25%	26%	27%	28%	28%	26%	27%	28%	28%	29%	29%	27%	28%	28%	29%	29%	29%
15	13%	13%	14%	14%	14%	14%	18%	19%	20%	21%	21%	22%	22%	22%	23%	24%	25%	26%	23%	24%	25%	26%	27%	28%	25%	26%	27%	27%	28%	29%
20	11%	11%	11%	11%	11%	11%	16%	16%	17%	17%	18%	18%	19%	20%	21%	21%	22%	23%	21%	22%	23%	24%	25%	26%	23%	24%	25%	26%	27%	27%
25	9%	9%	9%	9%	9%	9%	13%	14%	14%	15%	15%	15%	17%	18%	18%	19%	20%	20%	19%	20%	21%	22%	23%	24%	21%	22%	23%	24%	25%	26%
30	7%	8%	8%	8%	7%	7%	12%	12%	13%	13%	13%	13%	15%	16%	16%	17%	17%	18%	17%	18%	19%	20%	21%	21%	19%	20%	21%	22%	23%	24%
35	6%	7%	7%	7%	6%	5%	10%	11%	11%	11%	11%	11%	13%	14%	15%	15%	15%	16%	16%	17%	17%	18%	19%	19%	18%	19%	20%	20%	21%	22%
40	6%	6%	6%	6%	6%	5%	9%	10%	10%	10%	10%	10%	12%	13%	13%	14%	14%	14%	15%	15%	16%	17%	17%	17%	17%	17%	18%	19%	20%	20%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

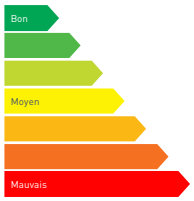
Météo : La Réunion
Orientation : OUEST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,59	0,57	0,56	0,55	0,56	0,55	0,53	0,53	0,52	0,52	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51	0,53	0,51	0,51	0,51	0,51	0,51
10				0,70	0,69	0,69	0,64	0,62	0,60	0,58	0,57	0,55	0,60	0,58	0,56	0,55	0,54	0,53	0,58	0,55	0,54	0,53	0,53	0,52	0,56	0,54	0,53	0,53	0,52	0,51
15								0,69	0,67	0,65	0,64	0,63	0,65	0,63	0,61	0,59	0,57	0,56	0,62	0,59	0,57	0,56	0,55	0,53	0,60	0,57	0,56	0,54	0,53	0,53
20												0,70	0,70	0,67	0,66	0,64	0,62	0,61	0,66	0,63	0,61	0,59	0,58	0,56	0,63	0,61	0,58	0,57	0,55	0,54
25															0,70	0,68	0,67	0,66	0,69	0,67	0,65	0,63	0,61	0,60	0,66	0,64	0,61	0,59	0,58	0,56
30																					0,68	0,66	0,65	0,64	0,69	0,66	0,64	0,62	0,61	0,59
35																						0,69	0,68	0,67		0,69	0,67	0,65	0,64	0,62
40																											0,70	0,68	0,66	0,65

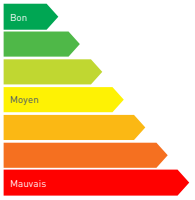
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	56%	56%	55%	54%	52%	51%	52%	51%	49%	49%	48%	48%	50%	49%	49%	48%	48%	47%	48%	49%	48%	48%	47%	47%	47%	49%	47%	48%	47%	47%
10	66%	65%	64%	64%	63%	63%	58%	57%	56%	55%	53%	52%	55%	54%	52%	51%	50%	49%	53%	52%	50%	50%	49%	48%	52%	50%	49%	49%	48%	48%
15	70%	70%	70%	70%	69%	69%	64%	63%	62%	60%	59%	58%	59%	58%	57%	55%	54%	52%	57%	56%	54%	52%	51%	50%	55%	54%	51%	51%	50%	49%
20	73%	72%	72%	72%	72%	72%	68%	67%	66%	66%	65%	64%	64%	62%	60%	60%	58%	57%	60%	59%	57%	56%	54%	52%	58%	57%	55%	53%	51%	50%
25	74%	74%	74%	74%	74%	74%	70%	70%	69%	69%	68%	68%	66%	66%	64%	63%	61%	61%	63%	62%	60%	59%	57%	56%	60%	59%	58%	56%	54%	53%
30	75%	75%	75%	75%	75%	75%	72%	72%	71%	71%	70%	70%	69%	68%	67%	66%	65%	64%	66%	64%	63%	61%	60%	59%	63%	61%	60%	59%	57%	55%
35	75%	75%	75%	75%	75%	75%	73%	73%	72%	72%	72%	72%	70%	70%	69%	68%	68%	67%	68%	67%	65%	64%	63%	62%	65%	64%	62%	61%	59%	58%
40	76%	76%	76%	76%	76%	76%	74%	74%	73%	73%	73%	73%	72%	71%	70%	70%	69%	69%	69%	68%	68%	67%	65%	65%	67%	66%	64%	63%	61%	60%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	29%	30%	31%	32%	33%	33%	32%	34%	34%	35%	35%	35%	34%	35%	35%	35%	36%	36%	35%	35%	36%	36%	36%	36%	35%	36%	36%	36%	36%	36%
10	21%	22%	22%	23%	23%	23%	27%	29%	30%	31%	32%	33%	30%	32%	33%	34%	34%	35%	32%	33%	34%	35%	35%	35%	33%	34%	35%	35%	35%	36%
15	16%	16%	17%	17%	17%	17%	23%	24%	25%	26%	27%	28%	27%	28%	29%	31%	32%	33%	29%	30%	32%	33%	34%	34%	30%	32%	33%	34%	34%	35%
20	12%	13%	13%	13%	13%	13%	19%	20%	21%	22%	22%	23%	23%	25%	26%	27%	28%	29%	26%	28%	29%	30%	31%	32%	28%	30%	31%	32%	33%	34%
25	10%	11%	11%	11%	11%	10%	16%	17%	18%	19%	19%	19%	20%	22%	23%	24%	25%	25%	24%	25%	27%	28%	29%	30%	26%	28%	29%	30%	31%	32%
30	9%	9%	9%	9%	9%	9%	14%	15%	16%	16%	16%	16%	18%	19%	21%	21%	22%	22%	21%	23%	24%	25%	26%	27%	24%	25%	27%	28%	29%	30%
35	7%	8%	8%	8%	8%	7%	12%	13%	14%	14%	14%	14%	16%	17%	18%	19%	20%	20%	20%	21%	22%	23%	24%	24%	22%	24%	25%	26%	27%	28%
40	6%	7%	7%	7%	7%	6%	11%	12%	12%	12%	12%	12%	15%	16%	17%	17%	17%	18%	18%	19%	20%	21%	22%	22%	20%	22%	23%	24%	25%	26%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

NORD-OUEST

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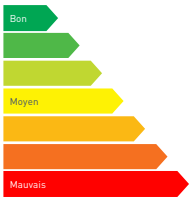
Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,61	0,60	0,59	0,57	0,56	0,55	0,56	0,55	0,54	0,53	0,52	0,52	0,54	0,53	0,52	0,52	0,52	0,51	0,53	0,52	0,52	0,51	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51
10			0,70	0,69	0,68	0,68	0,64	0,62	0,60	0,59	0,57	0,56	0,60	0,58	0,56	0,55	0,54	0,53	0,58	0,56	0,54	0,54	0,53	0,52	0,56	0,54	0,53	0,53	0,52	0,52
15							0,70	0,68	0,67	0,65	0,64	0,63	0,65	0,63	0,61	0,59	0,58	0,56	0,62	0,60	0,58	0,56	0,55	0,54	0,60	0,58	0,56	0,55	0,54	0,53
20											0,70	0,69	0,69	0,67	0,65	0,64	0,62	0,61	0,65	0,63	0,61	0,60	0,58	0,57	0,63	0,61	0,59	0,57	0,56	0,54
25															0,69	0,68	0,67	0,66	0,68	0,66	0,65	0,63	0,62	0,60	0,65	0,64	0,62	0,60	0,58	0,57
30																		0,70		0,69	0,68	0,66	0,65	0,64	0,68	0,66	0,64	0,63	0,61	0,60
35																						0,69	0,68	0,67		0,68	0,67	0,65	0,64	0,62
40																								0,70			0,69	0,68	0,66	0,65

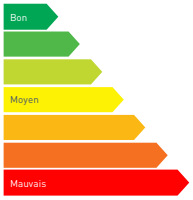
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	55%	55%	54%	53%	52%	51%	51%	51%	50%	50%	49%	48%	50%	49%	49%	49%	48%	48%	49%	49%	48%	48%	48%	48%	48%	49%	48%	48%	48%	48%
10	63%	63%	62%	61%	60%	60%	57%	56%	56%	54%	53%	52%	54%	53%	52%	51%	51%	49%	53%	52%	51%	50%	49%	49%	51%	51%	50%	50%	49%	48%
15	70%	70%	69%	69%	69%	69%	62%	60%	59%	58%	58%	57%	58%	57%	56%	55%	53%	52%	56%	55%	53%	52%	51%	50%	54%	53%	52%	51%	50%	49%
20	73%	72%	72%	72%	72%	72%	66%	65%	64%	63%	62%	61%	61%	60%	58%	58%	57%	56%	58%	57%	56%	55%	54%	52%	57%	56%	54%	53%	51%	51%
25	74%	74%	74%	74%	74%	74%	70%	69%	68%	67%	66%	66%	64%	63%	61%	60%	59%	59%	61%	59%	58%	57%	56%	55%	58%	58%	57%	55%	54%	52%
30	75%	75%	75%	75%	75%	75%	72%	71%	71%	70%	70%	70%	68%	66%	64%	64%	62%	62%	63%	62%	60%	59%	58%	58%	60%	59%	58%	57%	56%	55%
35	76%	76%	76%	76%	76%	76%	73%	73%	72%	72%	72%	72%	70%	69%	67%	66%	65%	65%	66%	64%	63%	61%	60%	59%	63%	61%	60%	59%	58%	57%
40	76%	76%	76%	76%	76%	76%	74%	74%	73%	73%	73%	73%	71%	71%	70%	69%	69%	68%	68%	67%	65%	64%	63%	62%	65%	63%	61%	60%	59%	58%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	32%	33%	34%	35%	36%	36%	36%	37%	37%	38%	38%	38%	37%	38%	38%	38%	39%	39%	38%	38%	39%	39%	39%	39%	38%	39%	39%	39%	39%	39%
10	23%	24%	25%	26%	26%	26%	30%	32%	33%	34%	35%	36%	33%	35%	36%	37%	37%	38%	35%	36%	37%	38%	38%	38%	36%	37%	38%	38%	38%	39%
15	17%	18%	19%	19%	19%	19%	25%	27%	28%	29%	30%	31%	30%	31%	33%	34%	35%	36%	32%	34%	35%	36%	37%	37%	34%	35%	36%	37%	37%	38%
20	14%	14%	15%	15%	15%	14%	21%	23%	24%	25%	25%	25%	26%	28%	29%	30%	31%	32%	29%	31%	32%	34%	35%	36%	31%	33%	34%	35%	36%	37%
25	11%	12%	12%	12%	12%	11%	18%	19%	20%	21%	21%	21%	23%	25%	26%	27%	28%	29%	27%	28%	30%	31%	32%	33%	29%	31%	32%	33%	35%	35%
30	9%	10%	10%	10%	10%	9%	16%	17%	18%	18%	18%	18%	21%	22%	23%	24%	25%	25%	24%	26%	27%	29%	30%	30%	27%	29%	30%	31%	33%	34%
35	8%	8%	8%	8%	8%	8%	14%	15%	15%	16%	16%	15%	18%	20%	21%	22%	22%	22%	22%	24%	25%	26%	27%	27%	25%	27%	28%	29%	31%	31%
40	7%	7%	7%	7%	7%	7%	12%	13%	14%	14%	14%	14%	17%	18%	19%	19%	20%	20%	20%	22%	23%	24%	25%	25%	23%	25%	26%	27%	28%	29%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

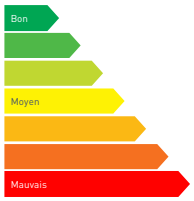
Météo : La Réunion
Orientation : NORD
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

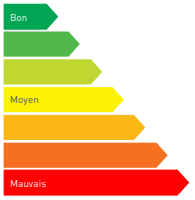
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%
10	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	88%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%
15	91%	91%	91%	91%	91%	91%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	88%	88%	89%	89%	89%	88%	88%	88%	89%	89%	88%	88%	88%	88%
20	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	89%	89%	89%	88%	88%	88%
25	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%
30	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	90%	89%	89%	89%	89%
35	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%
40	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	19%	19%	20%	20%	20%	21%	20%	21%	21%	22%	22%	22%	21%	22%	22%	22%	22%	22%	21%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%
10	13%	14%	14%	15%	15%	15%	18%	19%	19%	20%	20%	21%	19%	20%	21%	21%	21%	21%	20%	21%	21%	21%	22%	22%	21%	21%	21%	22%	22%	22%
15	10%	10%	10%	11%	10%	10%	15%	16%	17%	17%	18%	18%	18%	18%	19%	20%	20%	20%	19%	20%	20%	21%	21%	21%	20%	20%	21%	21%	21%	22%
20	8%	8%	8%	8%	8%	8%	12%	13%	14%	14%	14%	15%	15%	17%	17%	18%	18%	19%	17%	18%	19%	19%	20%	20%	18%	19%	20%	20%	21%	21%
25	6%	6%	6%	6%	6%	6%	10%	11%	11%	12%	12%	12%	13%	14%	15%	16%	16%	17%	16%	17%	18%	18%	19%	19%	17%	18%	19%	19%	20%	20%
30	5%	5%	5%	5%	5%	5%	9%	9%	10%	10%	10%	10%	12%	13%	13%	14%	14%	14%	14%	15%	16%	17%	17%	18%	16%	17%	18%	18%	19%	19%
35	4%	4%	4%	4%	4%	4%	8%	8%	8%	9%	9%	9%	10%	11%	12%	12%	13%	13%	13%	14%	15%	15%	16%	16%	15%	16%	17%	17%	18%	18%
40	4%	4%	4%	4%	4%	3%	7%	7%	7%	8%	8%	7%	9%	10%	11%	11%	11%	11%	12%	13%	13%	14%	14%	14%	13%	15%	15%	16%	17%	17%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

NORD-EST

PROTEC SOLAME | Générateur d'abaque | OMBREE CIRBAT

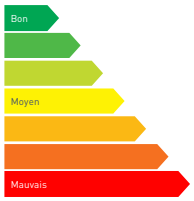
Météo : La Réunion
Orientation : NORD-EST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
	Inclinaison de la lame: 0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

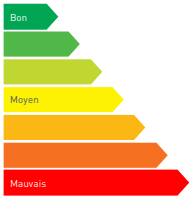
CLD

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
	Inclinaison de la lame: 0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%
10	91%	91%	91%	91%	91%	91%	90%	90%	90%	89%	89%	89%	90%	89%	89%	89%	89%	88%	89%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	88%
15	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	89%	89%	89%	89%	89%	90%	89%	89%	89%	89%	88%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	90%	89%	89%	89%	89%
25	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%
30	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	90%	89%
35	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%
40	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%



CECC

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
	Inclinaison de la lame: 0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	19%	20%	20%	21%	22%	22%	21%	22%	23%	23%	23%	23%	22%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%
10	13%	14%	14%	15%	15%	15%	18%	19%	20%	21%	21%	22%	20%	21%	22%	22%	23%	23%	21%	22%	22%	23%	23%	23%	22%	22%	23%	23%	23%	23%
15	9%	10%	10%	11%	11%	10%	14%	15%	16%	17%	18%	18%	17%	18%	20%	20%	21%	22%	19%	20%	21%	22%	22%	23%	20%	21%	22%	22%	23%	23%
20	7%	8%	8%	8%	8%	8%	12%	13%	14%	14%	15%	15%	15%	16%	17%	18%	19%	19%	17%	18%	19%	20%	21%	22%	18%	20%	21%	22%	22%	22%
25	6%	6%	6%	6%	6%	6%	10%	11%	11%	12%	12%	12%	13%	14%	15%	16%	16%	17%	15%	16%	18%	19%	19%	20%	17%	18%	19%	20%	21%	22%
30	5%	5%	5%	5%	5%	5%	8%	9%	10%	10%	10%	10%	11%	12%	13%	14%	14%	15%	13%	15%	16%	17%	18%	18%	15%	17%	18%	19%	20%	20%
35	4%	4%	4%	4%	4%	4%	7%	8%	8%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	14%	15%	16%	16%	14%	15%	17%	18%	18%	19%
40	3%	3%	4%	4%	3%	3%	6%	7%	7%	7%	7%	7%	9%	10%	10%	11%	11%	11%	11%	12%	13%	14%	14%	15%	13%	14%	15%	16%	17%	17%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

EST

PROTEC SOLAME | Générateur d'abaque | OMBREE CIRBAT

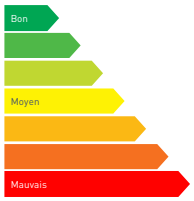
Météo : La Réunion
Orientation : EST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

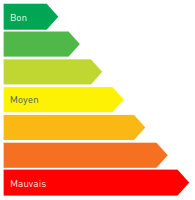
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	88%	89%	89%	89%	88%	88%	88%	88%	89%	88%	88%	88%	88%	88%	89%	88%	88%	88%	88%
10	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	90%	89%	89%	89%	88%	89%	89%	89%	89%	89%	88%
15	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	90%	90%	90%	89%	89%	89%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%
25	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
30	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%
35	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%
40	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	18%	19%	20%	21%	21%	22%	21%	22%	22%	23%	23%	23%	22%	23%	23%	23%	23%	23%	22%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%
10	12%	13%	14%	14%	15%	15%	17%	18%	19%	20%	21%	22%	19%	20%	21%	22%	22%	23%	20%	22%	22%	23%	23%	23%	21%	22%	23%	23%	23%	23%
15	9%	10%	10%	10%	10%	10%	14%	15%	16%	17%	17%	18%	16%	18%	19%	20%	21%	21%	18%	20%	21%	22%	22%	22%	19%	21%	22%	22%	23%	23%
20	7%	7%	8%	8%	8%	8%	11%	12%	13%	14%	14%	14%	14%	15%	17%	18%	18%	19%	16%	18%	19%	20%	21%	21%	18%	19%	20%	21%	22%	22%
25	6%	6%	6%	6%	6%	6%	9%	10%	11%	11%	12%	12%	12%	13%	14%	15%	16%	16%	14%	16%	17%	18%	19%	20%	16%	18%	19%	20%	21%	21%
30	6%	5%	5%	5%	5%	5%	8%	9%	9%	10%	10%	10%	11%	12%	13%	13%	14%	14%	13%	14%	15%	16%	17%	18%	15%	16%	17%	18%	19%	20%
35	4%	4%	4%	4%	4%	4%	7%	7%	8%	8%	8%	8%	9%	10%	11%	12%	12%	12%	12%	13%	14%	15%	15%	16%	13%	15%	16%	17%	18%	18%
40	3%	3%	3%	4%	3%	3%	6%	7%	7%	7%	7%	7%	8%	9%	10%	10%	11%	11%	10%	12%	12%	13%	14%	14%	12%	13%	15%	15%	16%	17%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

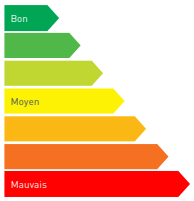
Météo : La Réunion
Orientation : SUD-EST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

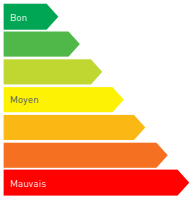
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	87%	88%	88%	88%	88%	87%	87%	87%	88%	87%	88%	87%	87%
10	91%	91%	91%	91%	90%	90%	90%	90%	89%	89%	89%	88%	89%	89%	89%	88%	88%	88%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%
15	92%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	90%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	88%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	89%	90%	90%	90%	89%	89%	89%	90%	90%	89%	89%	88%	88%
25	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	89%	89%	90%	90%	90%	89%	89%	89%
30	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%
35	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	91%	91%	90%	90%	90%	90%
40	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	14%	15%	15%	16%	16%	17%	16%	17%	17%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
10	10%	11%	11%	11%	11%	12%	13%	14%	15%	15%	16%	17%	15%	16%	16%	17%	17%	18%	16%	17%	17%	17%	18%	18%	17%	17%	18%	18%	18%	18%
15	8%	8%	8%	8%	8%	8%	11%	12%	12%	13%	13%	14%	13%	14%	15%	15%	16%	16%	14%	15%	16%	16%	17%	17%	15%	16%	17%	17%	17%	18%
20	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	11%	12%	13%	13%	14%	14%	13%	14%	14%	15%	16%	16%	14%	15%	16%	16%	17%	17%
25	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	11%	12%	12%	13%	12%	12%	13%	14%	14%	15%	13%	14%	14%	15%	16%	16%
30	4%	4%	4%	4%	4%	4%	7%	7%	8%	8%	8%	8%	9%	9%	10%	10%	11%	11%	11%	11%	12%	12%	13%	13%	12%	13%	13%	14%	15%	15%
35	4%	4%	4%	4%	4%	3%	6%	6%	7%	7%	7%	7%	8%	9%	9%	9%	10%	10%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	14%
40	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	7%	8%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

SUD

PROTEC SOLAME | Générateur d'abaque | OMBREE CIRBAT

Météo : La Réunion
Orientation : SUD
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	89%	88%	88%	88%	88%	87%	87%	87%	87%	87%	86%	86%	87%	87%	87%	86%	86%	86%	86%	87%	86%	86%	86%	86%	86%	87%	86%	86%	86%	86%
10	91%	91%	90%	90%	90%	90%	89%	89%	88%	88%	88%	88%	88%	88%	88%	87%	87%	87%	88%	87%	87%	87%	87%	86%	87%	87%	87%	87%	86%	86%
15	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	89%	89%	90%	89%	89%	88%	88%	88%	89%	88%	88%	88%	87%	87%	88%	88%	87%	87%	87%	87%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	90%	90%	90%	90%	90%	90%	89%	89%	88%	90%	89%	89%	88%	88%	88%	89%	88%	88%	88%	87%	87%
25	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	89%	89%	89%	88%	90%	89%	89%	88%	88%	88%
30	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	90%	90%	90%	89%	89%	90%	90%	89%	89%	88%	88%
35	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%
40	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	11%	11%	11%	12%	12%	12%	13%	13%	13%	13%	14%	14%	13%	13%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
10	8%	8%	8%	8%	8%	8%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	13%	12%	13%	13%	13%	13%	14%	13%	13%	13%	13%	14%	14%
15	6%	6%	6%	6%	6%	6%	8%	9%	9%	9%	9%	10%	10%	10%	11%	11%	11%	12%	11%	11%	12%	12%	12%	13%	12%	12%	12%	13%	13%	13%
20	5%	5%	5%	5%	5%	5%	7%	7%	7%	8%	8%	8%	9%	9%	9%	10%	10%	10%	10%	10%	10%	11%	11%	12%	11%	11%	11%	12%	12%	13%
25	4%	4%	4%	4%	4%	4%	6%	6%	6%	6%	6%	7%	8%	8%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	10%	10%	10%	11%	11%	12%
30	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	8%	8%	8%	8%	8%	9%	9%	9%	9%	9%	9%	10%	10%	11%
35	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	5%	5%	6%	6%	6%	6%	7%	7%	7%	7%	8%	8%	8%	8%	8%	8%	9%	9%	9%	10%
40	2%	3%	3%	2%	2%	2%	4%	4%	4%	4%	4%	4%	5%	6%	6%	6%	6%	6%	6%	7%	7%	7%	7%	8%	7%	8%	8%	8%	9%	9%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : La Réunion
Orientation : SUD-OUEST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	88%	88%	88%	87%	87%	86%	86%	86%	86%	86%	85%	85%	86%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
10	90%	90%	90%	90%	90%	90%	89%	89%	88%	88%	87%	86%	88%	87%	87%	86%	86%	85%	86%	86%	86%	86%	85%	85%	86%	86%	86%	86%	85%	85%
15	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	89%	89%	89%	89%	89%	88%	87%	87%	89%	88%	87%	87%	86%	86%	88%	87%	86%	86%	86%	85%
20	92%	92%	92%	92%	92%	92%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	89%	89%	88%	88%	87%	89%	89%	88%	87%	86%	86%
25	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	88%	90%	89%	89%	88%	88%	87%
30	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	90%	90%	89%	89%	89%	88%
35	93%	93%	93%	93%	93%	93%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%
40	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	90%	89%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	12%	13%	13%	13%	14%	14%	14%	14%	15%	15%	15%	16%	15%	15%	15%	15%	16%	16%	15%	15%	16%	16%	16%	16%	15%	16%	16%	16%	16%	16%
10	9%	9%	9%	9%	10%	10%	12%	12%	12%	13%	13%	14%	13%	13%	14%	14%	15%	15%	14%	14%	15%	15%	15%	15%	14%	15%	15%	15%	15%	16%
15	7%	7%	7%	7%	7%	7%	9%	10%	10%	11%	11%	11%	11%	12%	12%	13%	13%	14%	12%	13%	13%	14%	14%	15%	13%	14%	14%	14%	15%	15%
20	5%	5%	6%	6%	5%	6%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	14%	12%	12%	13%	13%	14%	14%
25	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	9%	9%	10%	10%	10%	10%	10%	11%	11%	12%	12%	11%	11%	12%	13%	13%	14%
30	4%	4%	4%	4%	4%	4%	6%	6%	6%	7%	7%	7%	8%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%
35	3%	3%	3%	3%	3%	3%	5%	5%	6%	6%	6%	6%	7%	7%	7%	8%	8%	8%	8%	9%	9%	9%	10%	10%	9%	10%	10%	11%	11%	11%
40	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	5%	5%	6%	7%	7%	7%	7%	7%	7%	8%	8%	9%	9%	9%	9%	9%	9%	10%	10%	11%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

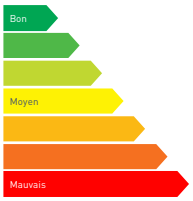
Météo : La Réunion
Orientation : OUEST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

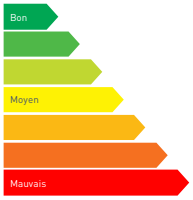
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	89%	89%	88%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	87%	87%	86%	86%	87%	87%	87%	87%	86%	86%	86%	87%	86%	87%	86%	86%
10	90%	90%	90%	90%	90%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	87%	88%	88%	88%	88%	87%	87%	88%	88%	87%	87%	87%	87%
15	91%	91%	91%	91%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	87%
20	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	88%
25	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%
30	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	89%	89%	89%	89%	89%
35	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	90%	90%	89%	89%	89%	89%
40	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	16%	16%	17%	17%	18%	17%	18%	18%	18%	19%	19%	18%	18%	19%	19%	19%	19%	18%	19%	19%	19%	19%	19%	18%	19%	19%	19%	19%	19%
10	11%	11%	12%	12%	12%	12%	14%	15%	16%	16%	17%	17%	16%	17%	17%	18%	18%	18%	17%	17%	18%	18%	18%	19%	17%	18%	18%	19%	19%	19%
15	8%	8%	9%	9%	9%	9%	12%	12%	13%	14%	14%	14%	14%	15%	15%	16%	17%	17%	15%	16%	17%	17%	18%	18%	16%	17%	17%	18%	18%	18%
20	6%	7%	7%	7%	7%	6%	10%	10%	11%	11%	12%	12%	12%	13%	14%	14%	15%	15%	14%	14%	15%	16%	16%	17%	15%	16%	16%	17%	17%	18%
25	5%	5%	5%	5%	5%	5%	8%	9%	9%	9%	10%	10%	10%	11%	12%	12%	13%	13%	12%	13%	14%	15%	15%	16%	13%	14%	15%	16%	16%	17%
30	4%	4%	4%	4%	4%	4%	7%	8%	8%	8%	8%	8%	9%	10%	11%	11%	11%	11%	11%	12%	13%	13%	14%	14%	12%	13%	14%	15%	15%	16%
35	4%	4%	4%	4%	4%	4%	6%	7%	7%	7%	7%	7%	8%	9%	9%	10%	10%	10%	10%	11%	11%	12%	12%	13%	11%	12%	13%	14%	14%	15%
40	3%	3%	3%	3%	3%	3%	6%	6%	6%	6%	6%	6%	7%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	11%	10%	11%	12%	13%	13%	13%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

NORD-OUEST

PROTEC SOLAME | Générateur d'abaque | OMBREE CIRBAT

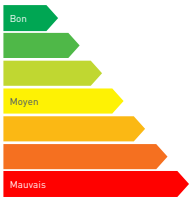
Météo : La Réunion
Orientation : NORD-OUEST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

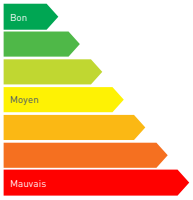
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	89%	89%	88%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%
10	91%	91%	91%	91%	90%	90%	90%	89%	89%	89%	88%	88%	89%	88%	88%	88%	88%	87%	88%	88%	88%	88%	87%	87%	88%	88%	88%	87%	87%	87%
15	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	89%	90%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	88%	89%	88%	88%	88%	88%	87%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	89%	89%	90%	90%	89%	89%	88%	88%	89%	89%	89%	88%	88%	88%
25	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	90%	90%	89%	89%	88%	88%
30	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%
35	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	89%
40	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	16%	17%	18%	18%	19%	19%	19%	19%	20%	20%	20%	20%	19%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	21%	20%	20%	20%	20%	20%	21%
10	12%	12%	13%	13%	13%	13%	16%	16%	17%	18%	18%	19%	17%	18%	19%	19%	20%	20%	18%	19%	19%	20%	20%	20%	19%	19%	20%	20%	20%	20%
15	9%	9%	9%	10%	10%	9%	13%	14%	15%	15%	16%	16%	15%	16%	17%	18%	18%	19%	17%	18%	18%	19%	19%	20%	18%	18%	19%	19%	20%	20%
20	7%	7%	7%	7%	7%	7%	11%	12%	12%	13%	13%	13%	13%	14%	15%	16%	16%	17%	15%	16%	17%	18%	18%	19%	16%	17%	18%	18%	19%	19%
25	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	12%	13%	13%	14%	14%	15%	14%	15%	15%	16%	17%	17%	15%	16%	17%	17%	18%	19%
30	6%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	14%	15%	15%	16%	14%	15%	16%	16%	17%	17%
35	4%	4%	4%	4%	4%	4%	7%	7%	8%	8%	8%	8%	9%	10%	11%	11%	11%	11%	11%	12%	13%	13%	14%	14%	13%	14%	15%	15%	16%	16%
40	3%	4%	4%	4%	3%	3%	6%	7%	7%	7%	7%	7%	8%	9%	10%	10%	10%	10%	10%	11%	12%	12%	13%	13%	12%	13%	14%	14%	15%	15%



by B MALET-DAMOUR & G RIVIERE

MAYOTTE

Confort visuel

Occultation à 100%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

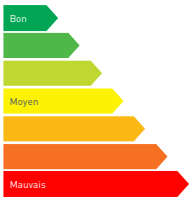
Météo : Mayotte
Orientation : NORD
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10	0,40	0,36	0,33	0,31	0,30	0,31	0,16																							
15	0,56	0,54	0,52	0,52	0,52	0,53	0,30	0,23	0,20	0,17	0,15		0,17																	
20	0,66	0,64	0,63	0,63	0,63	0,64	0,44	0,39	0,35	0,33	0,32	0,32	0,25	0,20	0,17				0,17											
25			0,70	0,70			0,54	0,50	0,47	0,45	0,45	0,45	0,37	0,31	0,26	0,22	0,20	0,20	0,23	0,19	0,16				0,18					
30							0,60	0,57	0,55	0,54	0,53	0,54	0,46	0,41	0,36	0,34	0,32	0,32	0,32	0,25	0,21	0,18	0,16		0,22	0,18	0,15			
35							0,65	0,63	0,61	0,60	0,60	0,60	0,53	0,48	0,45	0,42	0,41	0,41	0,40	0,34	0,29	0,26	0,24	0,24	0,29	0,23	0,19	0,16		
40							0,69	0,67	0,65	0,65	0,65	0,65	0,58	0,54	0,51	0,49	0,48	0,48	0,47	0,41	0,37	0,34	0,33	0,33	0,36	0,29	0,24	0,21	0,19	0,18

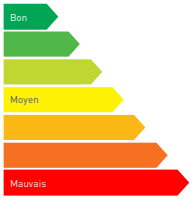
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	75%	72%	68%	60%	54%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	83%	82%	81%	80%	80%	80%	51%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	85%	84%	84%	84%	84%	84%	80%	76%	72%	68%	65%	64%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	87%	87%	86%	86%	85%	86%	83%	81%	79%	77%	76%	76%	77%	57%	14%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	88%	88%	87%	87%	87%	87%	84%	84%	82%	81%	80%	80%	81%	77%	73%	69%	66%	65%	61%	14%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
35	88%	88%	88%	88%	88%	88%	86%	85%	84%	84%	83%	83%	83%	81%	78%	76%	74%	74%	79%	70%	47%	11%	0%	0%	47%	1%	0%	0%	0%	0%
40	88%	88%	88%	88%	88%	88%	87%	87%	85%	84%	84%	84%	84%	83%	81%	80%	78%	77%	82%	78%	74%	70%	67%	65%	75%	50%	2%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	56%	57%	58%	59%	60%	61%	61%	62%	63%	63%	64%	64%	62%	63%	64%	64%	65%	65%	63%	64%	64%	65%	65%	65%	64%	65%	65%	65%	65%	65%
10	42%	44%	45%	46%	47%	47%	54%	55%	56%	58%	59%	60%	57%	59%	60%	61%	62%	63%	59%	61%	62%	63%	63%	64%	61%	62%	63%	63%	64%	65%
15	33%	34%	34%	35%	34%	34%	46%	49%	50%	51%	53%	54%	53%	54%	56%	57%	59%	60%	56%	57%	59%	60%	61%	62%	58%	59%	61%	62%	62%	63%
20	26%	27%	27%	27%	27%	26%	40%	42%	43%	44%	45%	45%	48%	50%	51%	53%	54%	55%	52%	54%	55%	57%	58%	60%	55%	56%	58%	59%	61%	62%
25	22%	22%	22%	22%	22%	21%	34%	36%	37%	38%	38%	38%	43%	45%	47%	49%	50%	51%	49%	50%	52%	54%	55%	56%	52%	53%	55%	57%	58%	60%
30	18%	19%	19%	19%	18%	18%	30%	31%	32%	33%	33%	33%	38%	41%	42%	44%	45%	45%	45%	47%	49%	50%	52%	53%	49%	51%	52%	54%	55%	57%
35	16%	16%	16%	16%	16%	15%	26%	28%	28%	29%	29%	28%	35%	37%	38%	39%	40%	40%	41%	44%	45%	47%	48%	49%	46%	48%	50%	51%	53%	54%
40	14%	14%	14%	14%	14%	13%	23%	25%	25%	26%	26%	25%	31%	33%	35%	35%	36%	36%	38%	40%	42%	43%	44%	45%	43%	45%	47%	49%	50%	51%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

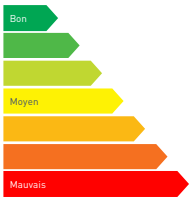
Météo : Mayotte
Orientation : NORD-EST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,20	0,16																												
10	0,44	0,41	0,38	0,36	0,35	0,35	0,25	0,19	0,15				0,16																	
15	0,58	0,56	0,54	0,53	0,53	0,54	0,38	0,33	0,29	0,26	0,23	0,21	0,26	0,21	0,16				0,19											
20	0,67	0,65	0,64	0,64	0,64	0,65	0,49	0,45	0,41	0,38	0,37	0,36	0,36	0,30	0,26	0,22	0,19	0,16	0,27	0,21	0,17				0,21	0,16				
25							0,57	0,53	0,50	0,48	0,47	0,47	0,44	0,39	0,35	0,31	0,29	0,27	0,35	0,29	0,24	0,20	0,17		0,28	0,22	0,17			
30							0,63	0,60	0,57	0,56	0,55	0,55	0,51	0,46	0,42	0,39	0,37	0,37	0,41	0,36	0,31	0,27	0,24	0,22	0,34	0,28	0,23	0,19	0,15	
35							0,67	0,65	0,63	0,62	0,61	0,61	0,56	0,52	0,49	0,46	0,45	0,44	0,47	0,42	0,37	0,34	0,31	0,30	0,39	0,34	0,29	0,24	0,21	0,19
40								0,69	0,67	0,66	0,66	0,66	0,61	0,57	0,54	0,52	0,51	0,51	0,52	0,47	0,43	0,40	0,38	0,37	0,44	0,39	0,34	0,30	0,27	0,25

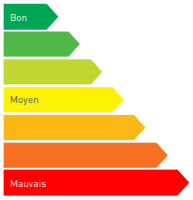
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	25%	19%	15%	11%	7%	2%	10%	4%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	48%	47%	45%	43%	42%	43%	27%	22%	16%	12%	8%	2%	16%	10%	4%	0%	0%	0%	11%	5%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%
15	59%	58%	58%	57%	57%	58%	43%	38%	33%	28%	25%	22%	28%	23%	16%	12%	9%	2%	20%	12%	7%	1%	0%	0%	14%	8%	1%	0%	0%	0%
20	64%	64%	63%	63%	64%	64%	51%	49%	47%	45%	44%	44%	39%	34%	27%	23%	19%	17%	28%	23%	17%	12%	9%	2%	23%	14%	10%	3%	0%	0%
25	67%	67%	67%	67%	67%	68%	58%	56%	55%	53%	53%	54%	47%	44%	39%	36%	33%	31%	38%	31%	25%	20%	17%	16%	28%	24%	17%	12%	9%	2%
30	69%	69%	69%	69%	69%	69%	61%	60%	60%	59%	59%	59%	52%	50%	48%	46%	45%	45%	45%	39%	35%	29%	26%	23%	38%	28%	25%	19%	17%	13%
35	70%	70%	70%	70%	70%	70%	64%	63%	62%	62%	62%	63%	57%	55%	52%	51%	51%	51%	49%	47%	43%	39%	37%	36%	43%	38%	31%	26%	21%	18%
40	71%	71%	71%	71%	71%	71%	66%	65%	65%	65%	65%	65%	60%	59%	57%	56%	56%	56%	53%	50%	48%	46%	45%	45%	47%	43%	38%	34%	30%	27%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	55%	57%	58%	59%	61%	62%	61%	62%	63%	64%	64%	65%	63%	64%	64%	65%	65%	66%	64%	65%	65%	65%	66%	66%	64%	65%	65%	66%	66%	66%
10	41%	43%	44%	45%	46%	46%	52%	55%	56%	58%	60%	61%	57%	59%	61%	62%	63%	64%	60%	61%	62%	63%	64%	65%	61%	63%	63%	64%	65%	65%
15	31%	33%	33%	34%	34%	33%	44%	47%	49%	50%	52%	53%	51%	54%	56%	57%	59%	61%	55%	57%	59%	61%	62%	63%	57%	59%	61%	62%	63%	64%
20	25%	26%	26%	27%	26%	26%	38%	40%	42%	43%	44%	45%	46%	48%	50%	52%	54%	55%	51%	53%	55%	57%	59%	60%	54%	56%	58%	60%	61%	62%
25	21%	21%	22%	22%	21%	21%	32%	34%	36%	37%	37%	38%	41%	43%	45%	47%	49%	50%	46%	49%	51%	53%	55%	57%	50%	53%	55%	57%	59%	60%
30	18%	18%	18%	18%	18%	17%	28%	30%	31%	32%	32%	32%	36%	39%	41%	42%	43%	44%	42%	45%	47%	49%	51%	52%	47%	49%	52%	54%	56%	57%
35	15%	16%	16%	16%	15%	15%	25%	26%	27%	28%	28%	28%	33%	35%	37%	38%	39%	39%	39%	41%	44%	45%	47%	48%	43%	46%	49%	51%	52%	54%
40	13%	14%	14%	14%	13%	13%	22%	23%	24%	25%	25%	25%	30%	32%	33%	34%	35%	35%	36%	38%	40%	42%	43%	44%	40%	43%	45%	47%	49%	50%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

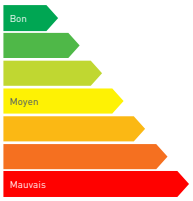
Météo : Mayotte
Orientation : EST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,23	0,19	0,16																											
10	0,46	0,43	0,41	0,39	0,38	0,37	0,28	0,23	0,19	0,15			0,19																	
15	0,59	0,57	0,56	0,55	0,55	0,55	0,41	0,37	0,33	0,30	0,27	0,25	0,30	0,25	0,20	0,16			0,23	0,17					0,18					
20	0,68	0,66	0,65	0,65	0,65	0,66	0,51	0,48	0,45	0,42	0,40	0,39	0,39	0,34	0,30	0,26	0,23	0,20	0,31	0,26	0,21	0,17			0,25	0,20	0,15			
25							0,58	0,56	0,53	0,51	0,50	0,50	0,47	0,43	0,39	0,36	0,33	0,31	0,38	0,33	0,29	0,25	0,21	0,18	0,32	0,26	0,21	0,17		
30							0,64	0,61	0,59	0,58	0,57	0,57	0,53	0,49	0,46	0,43	0,41	0,40	0,45	0,40	0,35	0,32	0,29	0,26	0,38	0,32	0,28	0,23	0,20	0,17
35							0,68	0,66	0,64	0,63	0,63	0,63	0,58	0,55	0,52	0,50	0,48	0,47	0,50	0,45	0,42	0,38	0,36	0,34	0,43	0,38	0,33	0,29	0,26	0,23
40								0,70	0,68	0,67	0,67	0,67	0,62	0,59	0,57	0,55	0,54	0,53	0,54	0,50	0,47	0,44	0,42	0,40	0,47	0,43	0,38	0,35	0,32	0,30

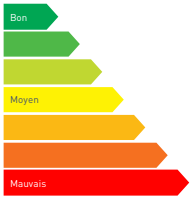
CLD

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	11%	9%	8%	7%	2%	1%	5%	2%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	30%	27%	25%	24%	23%	23%	15%	10%	9%	8%	2%	1%	9%	5%	2%	0%	0%	0%	5%	2%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%
15	38%	37%	37%	36%	36%	37%	25%	23%	17%	13%	11%	9%	15%	11%	9%	8%	3%	1%	11%	6%	3%	0%	0%	0%	7%	3%	0%	0%	0%	0%
20	44%	43%	42%	42%	43%	43%	34%	31%	27%	25%	25%	24%	24%	20%	14%	11%	8%	8%	15%	12%	9%	8%	3%	1%	13%	7%	4%	1%	0%	0%
25	47%	47%	46%	47%	47%	47%	38%	37%	36%	35%	34%	34%	28%	25%	23%	20%	16%	14%	24%	16%	12%	9%	8%	8%	16%	12%	9%	8%	3%	1%
30	49%	49%	49%	49%	49%	50%	41%	40%	38%	38%	37%	37%	35%	32%	28%	26%	25%	24%	27%	24%	20%	14%	11%	10%	23%	15%	11%	9%	8%	8%
35	51%	51%	50%	50%	50%	50%	43%	42%	41%	41%	41%	41%	38%	37%	35%	33%	33%	33%	31%	27%	24%	22%	19%	18%	26%	23%	15%	12%	10%	8%
40	52%	52%	52%	52%	52%	52%	45%	45%	44%	44%	44%	45%	40%	39%	37%	37%	36%	36%	36%	33%	28%	26%	25%	24%	28%	25%	23%	19%	14%	12%



CECC

Espacement entre les lames \ Largeur des lames	5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	53%	55%	56%	58%	59%	60%	59%	61%	62%	63%	63%	64%	61%	63%	63%	63%	64%	64%	62%	63%	64%	64%	64%	65%	63%	64%	64%	64%	65%	65%
10	39%	41%	42%	43%	44%	44%	50%	53%	55%	56%	58%	59%	55%	57%	59%	60%	61%	62%	58%	60%	61%	62%	63%	63%	60%	61%	62%	63%	63%	64%
15	30%	31%	32%	32%	32%	32%	42%	45%	47%	48%	50%	51%	49%	52%	54%	56%	57%	59%	53%	56%	58%	59%	60%	62%	56%	58%	60%	61%	62%	63%
20	24%	25%	25%	25%	25%	25%	35%	38%	40%	41%	42%	43%	43%	46%	48%	50%	52%	54%	48%	51%	53%	55%	57%	59%	52%	54%	56%	58%	60%	61%
25	20%	20%	21%	21%	21%	20%	30%	32%	34%	35%	36%	36%	38%	41%	43%	45%	47%	48%	44%	47%	49%	51%	53%	55%	48%	51%	53%	55%	57%	59%
30	17%	17%	18%	18%	17%	17%	27%	28%	29%	30%	31%	31%	34%	37%	39%	40%	41%	42%	40%	43%	45%	47%	49%	50%	44%	47%	50%	52%	54%	55%
35	15%	15%	15%	15%	15%	14%	23%	25%	26%	27%	27%	27%	31%	33%	35%	36%	37%	37%	37%	39%	41%	43%	45%	46%	41%	44%	46%	49%	50%	52%
40	13%	13%	13%	13%	13%	13%	21%	22%	23%	24%	24%	24%	28%	30%	31%	33%	33%	33%	33%	36%	38%	40%	41%	42%	38%	41%	43%	45%	47%	48%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

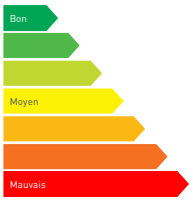
Météo : Mayotte
Orientation : SUD-EST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,26	0,25	0,23	0,20	0,18																									
10	0,48	0,47	0,46	0,44	0,44	0,43	0,32	0,30	0,27	0,24	0,21	0,18	0,23	0,21	0,18	0,16			0,18	0,16										
15	0,60	0,60	0,59	0,59	0,58	0,59	0,44	0,42	0,40	0,38	0,36	0,34	0,34	0,32	0,29	0,26	0,23	0,19	0,27	0,25	0,22	0,19	0,16		0,23	0,20	0,18	0,15		
20	0,68	0,68	0,67	0,67	0,67	0,68	0,53	0,52	0,50	0,49	0,47	0,46	0,43	0,41	0,38	0,36	0,33	0,30	0,35	0,33	0,30	0,27	0,24	0,20	0,30	0,27	0,24	0,21	0,18	
25							0,60	0,59	0,58	0,57	0,56	0,55	0,50	0,48	0,46	0,44	0,42	0,39	0,42	0,40	0,37	0,35	0,31	0,28	0,36	0,34	0,31	0,28	0,24	0,20
30							0,65	0,64	0,63	0,62	0,62	0,61	0,55	0,54	0,52	0,50	0,49	0,47	0,48	0,46	0,43	0,41	0,38	0,36	0,41	0,39	0,37	0,34	0,30	0,27
35							0,69	0,68	0,67	0,67	0,66	0,66	0,60	0,58	0,57	0,56	0,54	0,53	0,52	0,51	0,49	0,47	0,44	0,42	0,46	0,44	0,42	0,39	0,36	0,33
40													0,64	0,62	0,61	0,60	0,59	0,58	0,56	0,55	0,53	0,51	0,50	0,48	0,50	0,48	0,46	0,44	0,41	0,39

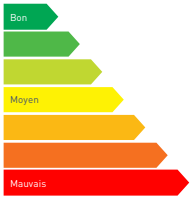
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	46%	47%	48%	50%	51%	52%	52%	53%	54%	55%	55%	56%	54%	55%	55%	56%	56%	57%	55%	56%	56%	56%	57%	57%	55%	56%	56%	57%	57%	57%
10	34%	35%	36%	37%	37%	37%	43%	45%	47%	48%	50%	51%	48%	49%	51%	52%	53%	54%	50%	52%	53%	54%	55%	56%	52%	53%	54%	55%	55%	56%
15	26%	27%	28%	28%	28%	28%	36%	38%	39%	41%	42%	43%	42%	44%	46%	47%	49%	51%	46%	48%	49%	51%	52%	53%	48%	50%	51%	52%	54%	55%
20	21%	22%	22%	22%	22%	22%	31%	32%	34%	35%	35%	36%	37%	39%	41%	42%	44%	45%	42%	44%	45%	47%	49%	50%	45%	46%	48%	50%	51%	53%
25	18%	18%	19%	19%	18%	18%	27%	28%	29%	30%	30%	31%	33%	35%	36%	38%	39%	40%	38%	40%	41%	43%	45%	46%	41%	43%	45%	47%	48%	50%
30	15%	16%	16%	16%	16%	15%	24%	25%	25%	26%	26%	26%	30%	31%	33%	34%	35%	35%	35%	36%	38%	40%	41%	42%	38%	40%	42%	44%	45%	47%
35	13%	14%	14%	14%	14%	13%	21%	22%	23%	23%	23%	23%	27%	28%	30%	30%	31%	32%	32%	33%	35%	36%	37%	38%	35%	37%	39%	41%	42%	44%
40	12%	12%	12%	12%	12%	12%	19%	20%	20%	21%	21%	21%	25%	26%	27%	28%	28%	28%	29%	31%	32%	33%	34%	35%	33%	35%	36%	38%	39%	40%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

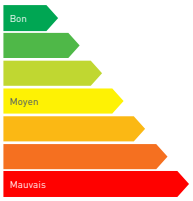
Météo : Mayotte
Orientation : SUD
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,28	0,26	0,24	0,22	0,20	0,16	0,16																							
10	0,49	0,49	0,48	0,47	0,46	0,45	0,33	0,31	0,29	0,27	0,23	0,19	0,24	0,22	0,20	0,17			0,19	0,17					0,16					
15	0,62	0,61	0,61	0,60	0,60	0,60	0,46	0,45	0,43	0,41	0,38	0,36	0,35	0,34	0,31	0,28	0,25	0,21	0,29	0,27	0,24	0,21	0,18		0,24	0,22	0,19	0,17		
20	0,69	0,69	0,69	0,69	0,69	0,69	0,55	0,54	0,53	0,51	0,50	0,48	0,44	0,43	0,41	0,38	0,36	0,32	0,37	0,35	0,33	0,29	0,26	0,22	0,31	0,29	0,27	0,24	0,20	0,16
25							0,62	0,61	0,60	0,59	0,58	0,57	0,51	0,50	0,48	0,47	0,44	0,42	0,44	0,42	0,40	0,37	0,34	0,30	0,38	0,36	0,33	0,30	0,26	0,22
30							0,66	0,66	0,65	0,64	0,64	0,63	0,57	0,56	0,55	0,53	0,51	0,50	0,49	0,48	0,46	0,44	0,41	0,38	0,43	0,42	0,39	0,36	0,33	0,29
35								0,70	0,69	0,69	0,68	0,68	0,62	0,61	0,59	0,58	0,57	0,56	0,54	0,53	0,51	0,49	0,47	0,45	0,48	0,46	0,44	0,42	0,39	0,36
40													0,65	0,64	0,63	0,62	0,61	0,61	0,58	0,57	0,56	0,54	0,52	0,51	0,52	0,51	0,49	0,47	0,44	0,42

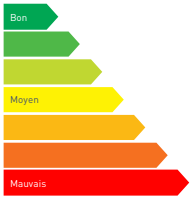
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	40%	41%	42%	43%	44%	45%	45%	46%	47%	48%	49%	50%	47%	48%	49%	49%	50%	51%	49%	49%	50%	50%	51%	51%	49%	50%	50%	51%	51%	51%
10	29%	30%	30%	31%	31%	32%	37%	38%	40%	41%	43%	44%	42%	43%	44%	45%	47%	48%	44%	45%	46%	47%	48%	49%	46%	47%	48%	48%	49%	50%
15	23%	23%	23%	24%	24%	24%	31%	32%	33%	34%	35%	36%	36%	37%	39%	40%	42%	44%	40%	41%	42%	44%	45%	47%	42%	43%	44%	46%	47%	48%
20	19%	19%	19%	19%	19%	19%	26%	27%	28%	29%	30%	30%	32%	33%	34%	35%	37%	38%	36%	37%	38%	40%	42%	43%	38%	40%	41%	43%	44%	46%
25	16%	16%	16%	16%	16%	16%	23%	24%	24%	25%	25%	26%	28%	29%	30%	31%	32%	33%	32%	33%	35%	36%	38%	39%	35%	37%	38%	40%	41%	43%
30	14%	14%	14%	14%	14%	13%	20%	21%	21%	22%	22%	22%	25%	26%	27%	28%	29%	29%	29%	30%	31%	33%	34%	35%	32%	34%	35%	36%	38%	40%
35	12%	12%	12%	12%	12%	11%	18%	19%	19%	19%	19%	19%	23%	24%	24%	25%	26%	26%	27%	28%	29%	30%	31%	32%	30%	31%	32%	34%	35%	37%
40	11%	11%	11%	11%	10%	10%	16%	17%	17%	17%	17%	17%	21%	22%	22%	23%	23%	24%	25%	26%	27%	27%	28%	29%	28%	29%	30%	31%	32%	34%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

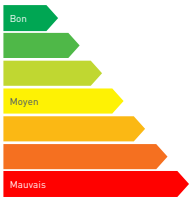
Météo : Mayotte
Orientation : SUD-OUEST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,26	0,24	0,22	0,20	0,18																									
10	0,48	0,46	0,45	0,44	0,43	0,42	0,31	0,29	0,27	0,24	0,21	0,17	0,23	0,20	0,18	0,15			0,18	0,15										
15	0,60	0,59	0,59	0,58	0,58	0,58	0,44	0,42	0,40	0,38	0,35	0,33	0,34	0,31	0,29	0,26	0,22	0,19	0,27	0,24	0,22	0,19	0,16		0,22	0,20	0,17			
20	0,68	0,67	0,67	0,67	0,67	0,67	0,53	0,51	0,50	0,48	0,47	0,46	0,42	0,40	0,38	0,35	0,32	0,29	0,35	0,32	0,30	0,27	0,23	0,19	0,29	0,27	0,24	0,21	0,18	
25							0,60	0,58	0,57	0,56	0,55	0,55	0,49	0,48	0,46	0,43	0,41	0,39	0,42	0,39	0,37	0,34	0,31	0,28	0,36	0,33	0,30	0,27	0,24	0,20
30							0,65	0,64	0,63	0,62	0,61	0,61	0,55	0,53	0,52	0,50	0,48	0,47	0,47	0,45	0,43	0,41	0,38	0,35	0,41	0,39	0,36	0,33	0,30	0,26
35							0,69	0,68	0,67	0,67	0,66	0,66	0,60	0,58	0,57	0,55	0,54	0,53	0,52	0,50	0,48	0,46	0,44	0,42	0,46	0,44	0,41	0,39	0,36	0,33
40											0,70	0,70	0,63	0,62	0,61	0,60	0,59	0,58	0,56	0,54	0,53	0,51	0,49	0,48	0,50	0,48	0,46	0,44	0,41	0,38

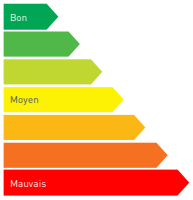
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	1%	1%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	47%	48%	50%	51%	52%	53%	53%	54%	55%	56%	57%	57%	55%	56%	57%	57%	58%	58%	56%	57%	57%	58%	58%	58%	57%	58%	58%	58%	58%	59%
10	35%	36%	37%	38%	38%	38%	44%	46%	48%	49%	51%	53%	49%	51%	52%	54%	55%	56%	52%	53%	54%	55%	56%	57%	53%	55%	55%	56%	57%	58%
15	27%	28%	28%	29%	29%	28%	37%	39%	41%	42%	43%	44%	43%	45%	47%	49%	50%	52%	47%	49%	51%	52%	53%	55%	49%	51%	53%	54%	55%	56%
20	22%	22%	23%	23%	23%	22%	32%	33%	35%	36%	36%	37%	38%	40%	42%	44%	45%	47%	43%	45%	47%	48%	50%	52%	46%	48%	49%	51%	53%	54%
25	18%	18%	19%	19%	18%	18%	27%	29%	30%	31%	31%	31%	34%	36%	37%	39%	40%	41%	39%	41%	43%	44%	46%	48%	42%	44%	46%	48%	50%	52%
30	15%	16%	16%	16%	16%	15%	24%	25%	26%	27%	27%	27%	31%	32%	34%	35%	36%	36%	35%	37%	39%	41%	42%	44%	39%	41%	43%	45%	47%	48%
35	13%	14%	14%	14%	13%	13%	21%	22%	23%	24%	24%	24%	28%	29%	30%	31%	32%	32%	33%	34%	36%	37%	39%	40%	36%	38%	40%	42%	43%	45%
40	12%	12%	12%	12%	12%	11%	19%	20%	21%	21%	21%	21%	25%	26%	28%	28%	29%	29%	30%	32%	33%	34%	35%	36%	34%	36%	37%	39%	40%	42%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

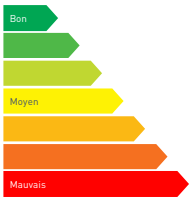
Météo : Mayotte
Orientation : OUEST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	0,23	0,19	0,16																											
10	0,47	0,43	0,41	0,39	0,38	0,37	0,28	0,23	0,19				0,19																	
15	0,60	0,58	0,56	0,55	0,55	0,56	0,42	0,37	0,33	0,30	0,27	0,25	0,30	0,25	0,20	0,16			0,23	0,17					0,18					
20	0,68	0,67	0,66	0,65	0,65	0,66	0,52	0,48	0,45	0,42	0,40	0,39	0,40	0,35	0,30	0,26	0,23	0,20	0,31	0,25	0,20	0,16			0,25	0,19				
25							0,59	0,56	0,53	0,51	0,50	0,50	0,47	0,43	0,39	0,35	0,33	0,31	0,39	0,33	0,28	0,24	0,21	0,18	0,32	0,26	0,21	0,17		
30							0,64	0,62	0,60	0,58	0,57	0,57	0,54	0,50	0,46	0,43	0,41	0,40	0,45	0,40	0,35	0,32	0,28	0,26	0,38	0,32	0,27	0,23	0,19	0,16
35							0,69	0,66	0,65	0,63	0,63	0,63	0,59	0,55	0,52	0,50	0,48	0,47	0,50	0,46	0,42	0,38	0,35	0,34	0,43	0,38	0,33	0,29	0,26	0,23
40									0,69	0,68	0,67	0,67	0,63	0,60	0,57	0,55	0,54	0,53	0,55	0,50	0,47	0,44	0,42	0,40	0,48	0,43	0,38	0,35	0,32	0,29

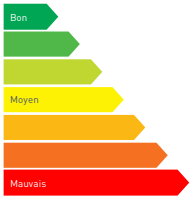
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	15%	10%	9%	8%	3%	1%	6%	2%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	33%	29%	27%	27%	26%	26%	17%	12%	9%	8%	3%	1%	10%	5%	2%	0%	0%	0%	6%	2%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%
15	39%	38%	38%	38%	38%	38%	27%	25%	21%	16%	12%	10%	17%	14%	9%	8%	3%	1%	14%	7%	4%	0%	0%	0%	9%	4%	0%	0%	0%	0%
20	45%	44%	44%	44%	44%	45%	36%	33%	28%	27%	27%	27%	26%	22%	16%	12%	9%	9%	17%	14%	9%	8%	3%	1%	16%	8%	5%	2%	0%	0%
25	48%	48%	48%	48%	48%	48%	39%	38%	37%	36%	36%	35%	30%	28%	25%	23%	20%	17%	26%	20%	16%	10%	9%	8%	18%	15%	10%	8%	3%	1%
30	51%	51%	51%	51%	51%	51%	41%	40%	40%	39%	39%	39%	37%	34%	30%	28%	27%	27%	29%	26%	22%	17%	14%	11%	25%	18%	14%	9%	9%	8%
35	52%	52%	52%	52%	52%	52%	44%	43%	42%	41%	42%	43%	39%	38%	36%	35%	34%	34%	33%	28%	27%	24%	23%	21%	28%	25%	19%	15%	11%	9%
40	54%	54%	53%	53%	53%	53%	47%	46%	45%	45%	45%	46%	40%	39%	38%	38%	38%	37%	37%	35%	31%	28%	27%	27%	30%	28%	25%	21%	17%	14%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	53%	56%	58%	59%	61%	62%	60%	62%	63%	64%	65%	65%	63%	64%	65%	65%	65%	66%	64%	65%	65%	66%	66%	66%	64%	65%	66%	66%	66%	66%
10	39%	41%	42%	43%	44%	44%	51%	53%	56%	58%	60%	61%	56%	59%	61%	62%	63%	64%	59%	61%	63%	64%	64%	65%	61%	63%	64%	64%	65%	65%
15	29%	31%	32%	32%	32%	32%	42%	45%	47%	49%	51%	52%	49%	52%	55%	57%	59%	61%	54%	57%	59%	61%	62%	63%	57%	59%	61%	62%	63%	64%
20	23%	24%	25%	25%	25%	25%	35%	38%	40%	41%	42%	43%	43%	46%	49%	51%	53%	55%	49%	52%	55%	57%	59%	61%	52%	56%	58%	60%	61%	63%
25	19%	20%	20%	21%	20%	20%	30%	32%	34%	35%	36%	36%	38%	41%	43%	45%	47%	48%	44%	47%	50%	52%	54%	56%	48%	52%	54%	57%	59%	60%
30	16%	17%	17%	17%	17%	17%	26%	28%	29%	30%	31%	31%	34%	36%	39%	40%	42%	42%	40%	43%	46%	48%	50%	51%	44%	48%	51%	53%	55%	57%
35	14%	15%	15%	15%	15%	14%	23%	25%	26%	27%	27%	27%	30%	33%	35%	36%	37%	38%	36%	39%	42%	44%	45%	46%	41%	44%	47%	49%	51%	53%
40	12%	13%	13%	13%	13%	12%	20%	22%	23%	24%	24%	24%	27%	30%	31%	33%	33%	34%	33%	36%	38%	40%	41%	42%	38%	41%	44%	46%	48%	49%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 100%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

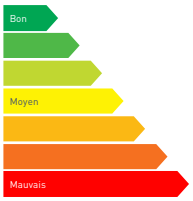
Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 100 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,21	0,16																												
10	0,45	0,41	0,38	0,36	0,35	0,35	0,25	0,20	0,15				0,16																	
15	0,59	0,56	0,55	0,54	0,54	0,54	0,39	0,34	0,30	0,26	0,23	0,21	0,27	0,21	0,16				0,20						0,15					
20	0,67	0,66	0,65	0,64	0,64	0,65	0,50	0,45	0,42	0,39	0,37	0,36	0,37	0,31	0,26	0,22	0,19	0,16	0,28	0,22	0,17				0,22	0,16				
25							0,58	0,54	0,51	0,49	0,48	0,48	0,45	0,40	0,35	0,32	0,29	0,27	0,36	0,29	0,24	0,20	0,16		0,29	0,22	0,17			
30							0,63	0,60	0,58	0,56	0,56	0,56	0,52	0,47	0,43	0,40	0,38	0,37	0,42	0,36	0,31	0,27	0,24	0,22	0,35	0,28	0,23	0,19	0,15	
35							0,68	0,65	0,63	0,62	0,61	0,62	0,57	0,53	0,49	0,47	0,45	0,45	0,48	0,43	0,38	0,34	0,32	0,30	0,40	0,34	0,29	0,25	0,21	0,19
40								0,69	0,67	0,66	0,66	0,66	0,61	0,58	0,55	0,53	0,51	0,51	0,53	0,48	0,44	0,40	0,38	0,37	0,45	0,39	0,35	0,31	0,28	0,26

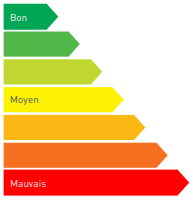
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	26%	21%	17%	11%	9%	1%	11%	4%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	49%	47%	45%	44%	43%	43%	28%	24%	18%	11%	10%	2%	18%	10%	5%	0%	0%	0%	11%	5%	0%	0%	0%	0%	8%	1%	0%	0%	0%	0%
15	60%	59%	58%	58%	58%	59%	43%	39%	35%	29%	27%	25%	29%	25%	18%	11%	10%	2%	21%	13%	8%	2%	0%	0%	16%	9%	2%	0%	0%	0%
20	65%	64%	64%	64%	64%	65%	51%	49%	47%	46%	45%	44%	39%	36%	29%	26%	20%	16%	29%	26%	19%	12%	10%	2%	24%	14%	10%	5%	0%	0%
25	68%	68%	68%	68%	68%	68%	59%	57%	55%	55%	54%	55%	48%	44%	39%	37%	35%	34%	39%	32%	27%	23%	17%	16%	29%	26%	19%	12%	10%	2%
30	69%	69%	69%	69%	69%	69%	62%	61%	60%	60%	59%	59%	53%	50%	48%	47%	45%	45%	45%	39%	36%	30%	28%	25%	38%	29%	26%	21%	17%	13%
35	70%	70%	70%	70%	70%	71%	64%	63%	63%	62%	63%	63%	58%	56%	54%	52%	52%	52%	50%	47%	43%	39%	38%	38%	42%	39%	32%	28%	24%	20%
40	71%	71%	71%	71%	71%	71%	66%	65%	65%	65%	65%	66%	61%	59%	58%	58%	57%	58%	54%	51%	49%	47%	46%	45%	48%	43%	39%	36%	33%	30%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	55%	57%	59%	61%	62%	63%	62%	63%	64%	65%	66%	66%	64%	65%	66%	66%	66%	67%	65%	66%	66%	67%	67%	67%	65%	66%	67%	67%	67%	67%
10	40%	42%	44%	45%	46%	46%	52%	55%	57%	59%	61%	62%	58%	60%	62%	63%	64%	65%	60%	63%	64%	65%	65%	66%	62%	64%	65%	65%	66%	66%
15	31%	32%	33%	33%	33%	33%	44%	47%	49%	51%	52%	54%	51%	54%	57%	59%	60%	62%	56%	58%	60%	62%	63%	64%	58%	61%	62%	64%	64%	65%
20	24%	25%	26%	26%	26%	25%	37%	39%	41%	43%	44%	45%	45%	48%	51%	53%	55%	56%	51%	54%	56%	58%	60%	62%	54%	57%	59%	61%	63%	64%
25	20%	21%	21%	21%	21%	20%	32%	34%	35%	37%	37%	37%	40%	43%	45%	47%	49%	50%	46%	49%	52%	54%	56%	58%	50%	53%	56%	58%	60%	62%
30	17%	18%	18%	18%	18%	17%	28%	29%	31%	32%	32%	32%	36%	38%	40%	42%	43%	44%	42%	45%	47%	50%	51%	53%	46%	50%	52%	55%	57%	58%
35	15%	15%	15%	15%	15%	15%	24%	26%	27%	28%	28%	28%	32%	34%	36%	38%	39%	39%	38%	41%	44%	46%	47%	48%	43%	46%	49%	51%	53%	55%
40	13%	13%	13%	13%	13%	13%	22%	23%	24%	25%	25%	24%	29%	31%	33%	34%	35%	35%	35%	38%	40%	42%	43%	44%	40%	43%	46%	48%	49%	51%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

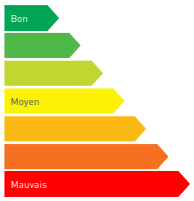
Météo : Mayotte
Orientation : NORD
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,35	0,33	0,32	0,30	0,29	0,28	0,30	0,28	0,27	0,27	0,26	0,26	0,28	0,27	0,26	0,26	0,26	0,26	0,27	0,26	0,26	0,26	0,26	0,25	0,27	0,26	0,26	0,26	0,26	0,25
10	0,55	0,52	0,50	0,48	0,48	0,48	0,37	0,34	0,33	0,31	0,30	0,29	0,33	0,31	0,29	0,28	0,28	0,27	0,31	0,29	0,28	0,27	0,27	0,26	0,30	0,28	0,27	0,27	0,26	0,26
15	0,67	0,65	0,64	0,64	0,64	0,64	0,47	0,43	0,40	0,38	0,36	0,36	0,37	0,35	0,33	0,32	0,30	0,29	0,34	0,32	0,31	0,29	0,28	0,27	0,32	0,31	0,29	0,28	0,27	0,27
20							0,58	0,54	0,52	0,50	0,49	0,49	0,44	0,40	0,38	0,36	0,34	0,33	0,38	0,35	0,34	0,32	0,31	0,29	0,35	0,33	0,31	0,30	0,29	0,28
25							0,65	0,62	0,60	0,59	0,58	0,59	0,53	0,48	0,44	0,42	0,40	0,40	0,42	0,39	0,37	0,35	0,34	0,32	0,38	0,36	0,34	0,32	0,31	0,30
30								0,68	0,66	0,65	0,65	0,65	0,59	0,55	0,52	0,50	0,49	0,49	0,49	0,44	0,41	0,39	0,37	0,36	0,42	0,39	0,36	0,35	0,33	0,32
35										0,70	0,70	0,70	0,64	0,61	0,58	0,57	0,56	0,56	0,55	0,51	0,47	0,44	0,43	0,43	0,46	0,42	0,39	0,37	0,36	0,35
40													0,68	0,65	0,63	0,62	0,61	0,61	0,60	0,56	0,53	0,50	0,49	0,49	0,52	0,47	0,43	0,41	0,39	0,38

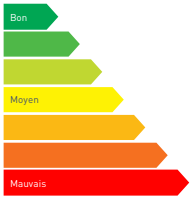
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	63%	56%	51%	47%	41%	35%	44%	37%	25%	24%	18%	14%	34%	21%	20%	17%	13%	9%	21%	21%	14%	15%	7%	7%	9%	20%	8%	13%	5%	7%
10	82%	81%	79%	77%	77%	77%	69%	62%	55%	51%	45%	39%	56%	50%	41%	33%	28%	23%	50%	41%	29%	27%	22%	17%	44%	32%	26%	24%	18%	13%
15	85%	85%	84%	84%	84%	84%	81%	77%	74%	70%	67%	65%	71%	64%	56%	52%	46%	40%	61%	54%	48%	41%	32%	27%	55%	50%	39%	32%	27%	22%
20	87%	87%	87%	86%	86%	86%	84%	83%	81%	79%	78%	77%	80%	75%	70%	65%	60%	56%	72%	65%	57%	52%	47%	41%	63%	56%	51%	45%	36%	30%
25	88%	88%	88%	87%	87%	87%	86%	84%	84%	83%	82%	82%	83%	81%	77%	75%	73%	72%	79%	73%	68%	62%	56%	53%	73%	65%	57%	53%	48%	42%
30	88%	88%	88%	88%	88%	88%	87%	86%	85%	84%	84%	84%	84%	83%	81%	80%	78%	77%	82%	79%	75%	72%	68%	66%	78%	72%	66%	60%	55%	51%
35	88%	88%	88%	88%	88%	88%	88%	87%	87%	86%	86%	85%	86%	84%	83%	82%	81%	81%	84%	82%	79%	77%	75%	74%	82%	77%	73%	69%	64%	59%
40	88%	88%	88%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	85%	84%	84%	83%	83%	85%	83%	82%	80%	79%	77%	83%	81%	77%	75%	72%	70%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	43%	44%	44%	45%	46%	47%	47%	48%	49%	49%	50%	50%	48%	49%	50%	50%	50%	51%	49%	50%	50%	50%	51%	51%	50%	50%	50%	51%	51%	51%
10	32%	33%	34%	35%	35%	35%	41%	42%	43%	44%	45%	47%	44%	45%	46%	47%	48%	49%	46%	47%	48%	49%	49%	50%	47%	48%	49%	49%	50%	50%
15	24%	25%	25%	26%	25%	25%	35%	37%	38%	39%	40%	41%	40%	41%	43%	44%	45%	46%	42%	44%	45%	46%	47%	48%	44%	45%	47%	48%	48%	49%
20	19%	20%	20%	20%	20%	19%	30%	31%	32%	33%	34%	34%	36%	38%	39%	40%	41%	42%	40%	41%	42%	44%	45%	46%	42%	43%	44%	46%	47%	48%
25	15%	16%	16%	16%	16%	15%	25%	27%	28%	28%	29%	28%	32%	34%	36%	37%	38%	38%	37%	38%	40%	41%	42%	43%	39%	41%	42%	43%	45%	46%
30	13%	13%	13%	13%	13%	12%	22%	23%	24%	24%	24%	24%	29%	30%	32%	33%	34%	34%	34%	36%	37%	38%	39%	40%	37%	38%	40%	41%	42%	44%
35	11%	11%	11%	11%	11%	11%	19%	20%	21%	21%	21%	21%	26%	27%	28%	29%	30%	30%	31%	33%	34%	35%	36%	37%	35%	36%	38%	39%	40%	41%
40	10%	10%	10%	10%	9%	9%	17%	18%	18%	19%	19%	18%	23%	25%	26%	26%	27%	26%	28%	30%	31%	33%	33%	34%	32%	34%	36%	37%	38%	39%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

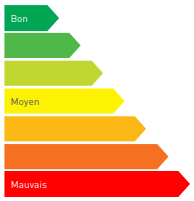
Météo : Mayotte
Orientation : NORD-EST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,40	0,37	0,35	0,32	0,31	0,29	0,32	0,29	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26	0,28	0,27	0,26	0,26	0,26	0,26	0,27	0,26	0,26	0,26	0,26	0,25
10	0,58	0,55	0,53	0,52	0,51	0,51	0,43	0,39	0,36	0,34	0,32	0,30	0,37	0,33	0,31	0,29	0,28	0,27	0,33	0,30	0,29	0,28	0,27	0,27	0,31	0,29	0,28	0,27	0,27	0,26
15	0,69	0,67	0,66	0,65	0,65	0,65	0,54	0,50	0,47	0,44	0,42	0,41	0,45	0,40	0,37	0,34	0,32	0,30	0,39	0,35	0,32	0,30	0,29	0,28	0,36	0,32	0,30	0,29	0,28	0,27
20							0,62	0,58	0,56	0,54	0,52	0,52	0,52	0,48	0,44	0,41	0,39	0,37	0,45	0,41	0,37	0,35	0,32	0,31	0,41	0,37	0,34	0,31	0,30	0,29
25							0,68	0,65	0,63	0,61	0,60	0,60	0,58	0,54	0,51	0,48	0,46	0,45	0,51	0,47	0,43	0,40	0,37	0,35	0,46	0,41	0,38	0,35	0,33	0,31
30								0,70	0,68	0,67	0,66	0,66	0,63	0,60	0,57	0,55	0,53	0,52	0,56	0,52	0,48	0,45	0,43	0,41	0,50	0,46	0,42	0,39	0,36	0,34
35													0,67	0,64	0,62	0,60	0,59	0,58	0,60	0,56	0,53	0,50	0,48	0,47	0,55	0,50	0,46	0,43	0,41	0,39
40														0,68	0,66	0,64	0,63	0,63	0,64	0,60	0,57	0,55	0,53	0,53	0,58	0,54	0,50	0,48	0,45	0,44

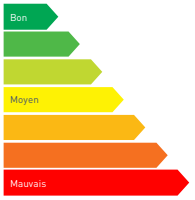
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	52%	50%	47%	44%	39%	32%	42%	33%	23%	22%	20%	19%	33%	21%	21%	19%	18%	17%	26%	21%	19%	19%	17%	17%	19%	21%	17%	19%	16%	16%
10	61%	60%	59%	58%	58%	57%	54%	53%	50%	47%	42%	33%	49%	45%	36%	26%	24%	22%	46%	36%	24%	24%	21%	19%	41%	27%	23%	22%	20%	18%
15	65%	65%	65%	64%	64%	64%	60%	58%	57%	55%	54%	53%	55%	53%	51%	47%	42%	34%	52%	49%	42%	32%	25%	24%	49%	44%	31%	25%	24%	21%
20	68%	68%	67%	67%	67%	68%	63%	62%	61%	60%	59%	58%	59%	57%	56%	54%	52%	50%	56%	54%	52%	47%	43%	35%	53%	51%	46%	38%	27%	25%
25	70%	70%	70%	70%	70%	70%	65%	65%	64%	64%	63%	63%	62%	61%	59%	58%	56%	56%	59%	57%	55%	54%	51%	48%	56%	54%	52%	47%	43%	35%
30	71%	71%	71%	71%	71%	71%	67%	66%	66%	65%	65%	65%	64%	63%	62%	61%	60%	59%	61%	59%	58%	56%	55%	53%	59%	57%	55%	53%	50%	47%
35	71%	71%	71%	71%	71%	71%	67%	67%	67%	67%	67%	67%	66%	65%	64%	63%	62%	62%	63%	62%	60%	59%	58%	57%	60%	59%	57%	56%	54%	52%
40	72%	72%	72%	72%	72%	72%	69%	69%	68%	68%	68%	69%	66%	66%	65%	65%	64%	64%	64%	63%	62%	61%	60%	59%	62%	61%	59%	58%	56%	55%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	42%	43%	45%	46%	47%	48%	47%	48%	49%	50%	51%	51%	49%	50%	51%	51%	51%	52%	50%	51%	51%	51%	52%	52%	50%	51%	51%	52%	52%	52%
10	30%	32%	33%	34%	34%	34%	40%	42%	43%	45%	46%	47%	44%	46%	47%	48%	49%	50%	46%	48%	49%	50%	50%	51%	47%	49%	50%	50%	51%	51%
15	23%	24%	25%	25%	25%	25%	33%	35%	37%	38%	40%	40%	39%	41%	43%	44%	46%	47%	42%	44%	46%	47%	48%	49%	44%	46%	48%	49%	49%	50%
20	18%	19%	19%	19%	19%	19%	28%	30%	31%	32%	33%	33%	34%	36%	38%	40%	41%	43%	38%	41%	42%	44%	46%	47%	41%	43%	45%	46%	48%	49%
25	15%	15%	16%	16%	15%	15%	24%	25%	26%	27%	28%	28%	30%	32%	34%	36%	37%	38%	35%	37%	39%	41%	42%	44%	38%	40%	42%	44%	45%	47%
30	12%	13%	13%	13%	13%	12%	21%	22%	23%	23%	24%	24%	27%	29%	30%	32%	33%	33%	32%	34%	36%	37%	39%	40%	35%	37%	39%	41%	43%	44%
35	11%	11%	11%	11%	11%	10%	18%	19%	20%	20%	21%	20%	24%	26%	27%	28%	29%	29%	29%	31%	33%	34%	35%	36%	32%	35%	37%	38%	40%	41%
40	9%	9%	10%	9%	9%	9%	16%	17%	18%	18%	18%	18%	22%	23%	24%	25%	26%	26%	26%	28%	30%	31%	32%	33%	30%	32%	34%	36%	37%	38%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

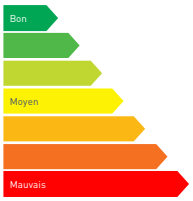
Météo : Mayotte
Orientation : EST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,42	0,39	0,37	0,35	0,33	0,31	0,34	0,31	0,29	0,29	0,28	0,27	0,30	0,28	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26	0,28	0,27	0,27	0,26	0,26	0,26
10	0,60	0,57	0,56	0,54	0,53	0,53	0,46	0,42	0,39	0,37	0,34	0,32	0,39	0,35	0,33	0,31	0,30	0,29	0,35	0,32	0,30	0,29	0,28	0,27	0,33	0,30	0,29	0,28	0,28	0,27
15	0,70	0,68	0,67	0,66	0,66	0,67	0,56	0,53	0,50	0,47	0,45	0,44	0,47	0,43	0,40	0,37	0,35	0,33	0,42	0,38	0,35	0,33	0,31	0,30	0,38	0,35	0,32	0,31	0,30	0,28
20							0,63	0,61	0,58	0,56	0,55	0,54	0,54	0,51	0,48	0,45	0,42	0,40	0,48	0,44	0,41	0,38	0,35	0,33	0,44	0,40	0,36	0,34	0,32	0,30
25							0,69	0,67	0,65	0,63	0,62	0,62	0,60	0,57	0,54	0,52	0,50	0,48	0,54	0,50	0,46	0,43	0,41	0,38	0,49	0,45	0,41	0,38	0,35	0,33
30									0,70	0,69	0,68	0,68	0,65	0,62	0,59	0,57	0,56	0,55	0,58	0,55	0,52	0,49	0,46	0,45	0,53	0,49	0,46	0,43	0,40	0,37
35													0,69	0,66	0,64	0,62	0,61	0,60	0,62	0,59	0,56	0,54	0,52	0,50	0,57	0,53	0,50	0,47	0,44	0,42
40														0,69	0,68	0,66	0,65	0,65	0,66	0,63	0,60	0,58	0,56	0,55	0,61	0,57	0,54	0,51	0,49	0,47

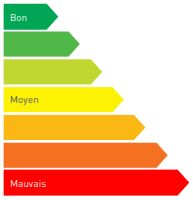
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	29%	25%	22%	18%	11%	5%	16%	7%	1%	1%	0%	0%	8%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	40%	39%	38%	37%	36%	36%	33%	29%	24%	20%	12%	7%	25%	18%	9%	2%	1%	1%	19%	9%	1%	1%	0%	0%	15%	2%	1%	1%	0%	0%
15	45%	45%	44%	43%	43%	43%	38%	37%	35%	33%	31%	29%	33%	31%	26%	21%	13%	8%	29%	23%	15%	5%	2%	1%	24%	17%	6%	2%	1%	0%
20	48%	48%	48%	48%	48%	48%	42%	41%	40%	39%	38%	37%	38%	36%	34%	31%	28%	24%	34%	32%	27%	22%	14%	8%	31%	26%	18%	9%	3%	1%
25	51%	50%	50%	50%	50%	50%	45%	44%	43%	42%	42%	41%	41%	39%	37%	36%	35%	34%	37%	36%	33%	30%	26%	23%	35%	32%	27%	22%	14%	8%
30	52%	52%	52%	52%	52%	52%	47%	46%	45%	45%	44%	45%	43%	42%	41%	40%	39%	38%	40%	38%	36%	35%	33%	30%	37%	35%	32%	29%	24%	21%
35	53%	53%	53%	53%	53%	53%	48%	48%	47%	47%	47%	48%	45%	44%	43%	42%	41%	41%	42%	41%	39%	37%	36%	35%	39%	38%	36%	33%	31%	28%
40	54%	54%	54%	54%	54%	54%	50%	49%	49%	49%	49%	49%	46%	45%	45%	44%	43%	43%	43%	43%	41%	40%	39%	38%	41%	40%	37%	36%	35%	33%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	41%	42%	44%	45%	46%	47%	46%	48%	49%	49%	50%	50%	48%	49%	50%	50%	50%	51%	49%	50%	50%	50%	51%	51%	49%	50%	51%	51%	51%	51%
10	29%	30%	32%	32%	33%	33%	38%	40%	42%	44%	45%	46%	43%	45%	46%	47%	48%	49%	45%	47%	48%	49%	49%	50%	46%	48%	49%	49%	50%	50%
15	22%	23%	24%	24%	24%	24%	32%	34%	35%	37%	38%	39%	37%	40%	42%	43%	45%	46%	41%	43%	45%	46%	47%	48%	43%	45%	47%	48%	48%	49%
20	17%	18%	18%	19%	18%	18%	26%	28%	30%	31%	32%	32%	33%	35%	37%	39%	40%	41%	37%	39%	41%	43%	44%	46%	40%	42%	44%	45%	47%	48%
25	14%	15%	15%	15%	15%	15%	22%	24%	25%	26%	27%	27%	29%	31%	33%	34%	35%	36%	33%	36%	38%	39%	41%	42%	36%	39%	41%	43%	44%	46%
30	12%	12%	13%	13%	12%	12%	19%	21%	22%	22%	23%	23%	25%	27%	29%	30%	31%	32%	30%	32%	34%	36%	37%	38%	33%	36%	38%	40%	41%	43%
35	10%	10%	11%	11%	10%	10%	17%	18%	19%	20%	20%	20%	23%	24%	26%	27%	28%	28%	27%	29%	31%	33%	34%	35%	31%	33%	35%	37%	39%	40%
40	9%	9%	9%	9%	9%	9%	15%	16%	17%	17%	17%	17%	20%	22%	23%	24%	25%	25%	25%	27%	28%	30%	31%	31%	28%	31%	33%	34%	36%	37%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

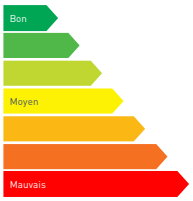
Météo : Mayotte
Orientation : SUD-EST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,45	0,43	0,42	0,40	0,38	0,36	0,36	0,35	0,33	0,32	0,31	0,29	0,33	0,31	0,31	0,30	0,29	0,27	0,31	0,30	0,29	0,29	0,28	0,27	0,30	0,29	0,28	0,28	0,27	0,26
10	0,61	0,60	0,59	0,58	0,58	0,57	0,49	0,47	0,45	0,43	0,41	0,38	0,42	0,41	0,39	0,37	0,35	0,32	0,38	0,37	0,35	0,34	0,32	0,30	0,36	0,34	0,33	0,32	0,30	0,29
15		0,70	0,69	0,69	0,69	0,69	0,58	0,57	0,55	0,54	0,52	0,50	0,50	0,49	0,47	0,45	0,42	0,39	0,45	0,44	0,42	0,39	0,37	0,34	0,42	0,40	0,38	0,36	0,34	0,32
20							0,65	0,64	0,63	0,62	0,60	0,59	0,57	0,55	0,54	0,52	0,50	0,47	0,51	0,50	0,48	0,45	0,43	0,40	0,47	0,45	0,43	0,41	0,38	0,36
25							0,70	0,69	0,68	0,67	0,67	0,66	0,62	0,61	0,59	0,58	0,56	0,55	0,56	0,55	0,53	0,51	0,48	0,46	0,52	0,50	0,48	0,46	0,43	0,40
30													0,66	0,65	0,64	0,63	0,62	0,60	0,61	0,59	0,58	0,56	0,54	0,52	0,56	0,54	0,52	0,50	0,48	0,45
35													0,70	0,69	0,68	0,67	0,66	0,65	0,64	0,63	0,61	0,60	0,58	0,57	0,60	0,58	0,56	0,54	0,52	0,50
40																	0,69	0,69	0,67	0,66	0,65	0,63	0,62	0,61	0,63	0,61	0,60	0,58	0,56	0,54

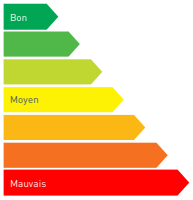
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	3%	3%	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	5%	4%	4%	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	35%	36%	37%	38%	39%	40%	40%	41%	42%	42%	43%	44%	42%	43%	43%	43%	44%	44%	43%	43%	44%	44%	44%	45%	43%	44%	44%	44%	44%	45%
10	25%	26%	27%	28%	28%	28%	33%	34%	36%	37%	38%	39%	37%	38%	39%	40%	41%	42%	39%	40%	41%	42%	42%	43%	40%	41%	42%	42%	43%	44%
15	19%	20%	21%	21%	21%	21%	27%	29%	30%	31%	32%	33%	32%	34%	35%	36%	38%	39%	35%	36%	38%	39%	40%	41%	37%	38%	40%	41%	41%	42%
20	16%	16%	16%	16%	16%	16%	23%	24%	25%	26%	27%	27%	28%	30%	31%	32%	33%	35%	32%	33%	35%	36%	37%	39%	34%	35%	37%	38%	40%	41%
25	13%	13%	13%	13%	13%	13%	20%	21%	22%	22%	23%	23%	25%	26%	27%	28%	29%	30%	29%	30%	31%	33%	34%	35%	31%	33%	34%	36%	37%	39%
30	11%	11%	11%	11%	11%	11%	17%	18%	19%	19%	19%	20%	22%	23%	24%	25%	26%	27%	26%	27%	29%	30%	31%	32%	29%	30%	32%	33%	35%	36%
35	9%	10%	10%	10%	9%	9%	15%	16%	17%	17%	17%	17%	20%	21%	22%	23%	23%	24%	24%	25%	26%	27%	28%	29%	27%	28%	29%	31%	32%	33%
40	8%	8%	8%	8%	8%	8%	14%	14%	15%	15%	15%	15%	18%	19%	20%	21%	21%	21%	22%	23%	24%	25%	26%	26%	25%	26%	27%	29%	30%	31%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : Mayotte
Orientation : SUD
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,46	0,45	0,43	0,42	0,40	0,37	0,37	0,36	0,34	0,33	0,31	0,29	0,33	0,32	0,31	0,30	0,29	0,28	0,31	0,30	0,30	0,29	0,28	0,27	0,30	0,29	0,29	0,28	0,27	0,27
10	0,62	0,61	0,61	0,60	0,59	0,59	0,50	0,49	0,47	0,45	0,42	0,40	0,43	0,42	0,40	0,38	0,36	0,33	0,39	0,38	0,36	0,34	0,33	0,31	0,37	0,35	0,34	0,33	0,31	0,29
15							0,59	0,58	0,57	0,56	0,54	0,52	0,52	0,50	0,48	0,46	0,44	0,41	0,46	0,45	0,43	0,41	0,38	0,35	0,43	0,41	0,39	0,37	0,35	0,33
20							0,66	0,65	0,64	0,63	0,62	0,61	0,58	0,57	0,56	0,54	0,52	0,49	0,53	0,51	0,49	0,47	0,44	0,41	0,48	0,47	0,45	0,43	0,40	0,37
25									0,70	0,69	0,68	0,68	0,64	0,63	0,61	0,60	0,58	0,56	0,58	0,56	0,55	0,53	0,50	0,48	0,53	0,52	0,50	0,48	0,45	0,42
30													0,68	0,67	0,66	0,65	0,63	0,62	0,62	0,61	0,59	0,58	0,56	0,54	0,57	0,56	0,54	0,52	0,50	0,47
35															0,70	0,69	0,68	0,67	0,66	0,65	0,63	0,62	0,60	0,59	0,61	0,60	0,58	0,56	0,54	0,52
40																			0,69	0,68	0,67	0,65	0,64	0,63	0,64	0,63	0,62	0,60	0,58	0,56

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	30%	31%	32%	32%	33%	35%	35%	35%	36%	37%	37%	38%	36%	37%	38%	38%	38%	39%	37%	38%	38%	39%	39%	39%	38%	38%	39%	39%	39%	39%
10	22%	22%	23%	23%	23%	24%	28%	29%	30%	31%	32%	34%	31%	32%	33%	34%	36%	37%	33%	34%	35%	36%	37%	38%	35%	36%	36%	37%	38%	38%
15	17%	17%	17%	17%	17%	17%	23%	24%	25%	26%	26%	27%	27%	28%	29%	30%	32%	33%	30%	31%	32%	33%	34%	36%	32%	33%	34%	35%	36%	37%
20	13%	14%	14%	14%	14%	14%	19%	20%	21%	21%	22%	22%	24%	25%	25%	27%	28%	29%	27%	28%	29%	30%	31%	33%	29%	30%	31%	32%	34%	35%
25	11%	11%	11%	11%	11%	11%	17%	17%	18%	18%	19%	19%	21%	22%	22%	23%	24%	25%	24%	25%	26%	27%	28%	30%	26%	27%	29%	30%	31%	33%
30	10%	10%	10%	10%	10%	9%	15%	15%	16%	16%	16%	16%	19%	19%	20%	21%	21%	22%	22%	23%	23%	24%	25%	27%	24%	25%	26%	27%	29%	30%
35	8%	8%	8%	8%	8%	8%	13%	13%	14%	14%	14%	14%	17%	17%	18%	19%	19%	19%	20%	21%	21%	22%	23%	24%	22%	23%	24%	25%	26%	28%
40	7%	7%	7%	7%	7%	7%	12%	12%	12%	13%	13%	13%	15%	16%	16%	17%	17%	17%	18%	19%	20%	20%	21%	22%	21%	21%	22%	23%	24%	25%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

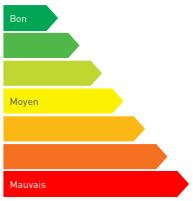
Météo : Mayotte
Orientation : SUD-OUEST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,45	0,43	0,42	0,40	0,38	0,36	0,36	0,35	0,33	0,32	0,30	0,29	0,33	0,31	0,30	0,30	0,29	0,27	0,31	0,30	0,29	0,28	0,28	0,27	0,30	0,29	0,28	0,28	0,27	0,26
10	0,61	0,60	0,59	0,58	0,57	0,57	0,48	0,47	0,45	0,43	0,41	0,38	0,42	0,40	0,38	0,36	0,34	0,32	0,38	0,37	0,35	0,33	0,32	0,30	0,36	0,34	0,33	0,32	0,30	0,29
15		0,69	0,69	0,69	0,69	0,69	0,58	0,57	0,55	0,53	0,52	0,50	0,50	0,48	0,46	0,44	0,42	0,39	0,45	0,43	0,41	0,39	0,37	0,34	0,42	0,40	0,38	0,36	0,34	0,32
20							0,65	0,64	0,62	0,61	0,60	0,59	0,57	0,55	0,53	0,51	0,49	0,47	0,51	0,49	0,47	0,45	0,42	0,39	0,47	0,45	0,43	0,41	0,38	0,35
25							0,70	0,69	0,68	0,67	0,66	0,66	0,62	0,61	0,59	0,58	0,56	0,54	0,56	0,55	0,53	0,50	0,48	0,46	0,52	0,50	0,48	0,45	0,43	0,40
30													0,66	0,65	0,64	0,62	0,61	0,60	0,60	0,59	0,57	0,55	0,53	0,51	0,56	0,54	0,52	0,50	0,47	0,45
35													0,70	0,69	0,67	0,66	0,66	0,65	0,64	0,63	0,61	0,60	0,58	0,56	0,59	0,58	0,56	0,54	0,52	0,49
40																0,70	0,69	0,69	0,67	0,66	0,64	0,63	0,62	0,61	0,62	0,61	0,59	0,58	0,56	0,54

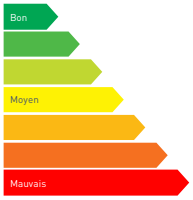
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	1%	1%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	2%	2%	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	4%	4%	4%	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	36%	37%	38%	39%	40%	41%	41%	42%	43%	43%	44%	45%	43%	44%	44%	44%	45%	45%	44%	44%	45%	45%	45%	46%	44%	45%	45%	45%	45%	46%
10	26%	27%	28%	28%	29%	29%	34%	35%	37%	38%	39%	41%	38%	39%	40%	41%	42%	43%	40%	41%	42%	43%	44%	44%	41%	42%	43%	44%	44%	45%
15	20%	20%	21%	21%	21%	21%	28%	29%	31%	32%	33%	34%	33%	35%	36%	37%	39%	40%	36%	37%	39%	40%	41%	42%	38%	39%	41%	42%	43%	44%
20	16%	16%	16%	17%	16%	16%	24%	25%	26%	27%	28%	28%	29%	30%	32%	33%	35%	36%	32%	34%	36%	37%	39%	40%	35%	37%	38%	39%	41%	42%
25	13%	13%	13%	13%	13%	13%	20%	21%	22%	23%	23%	23%	26%	27%	28%	29%	30%	31%	29%	31%	32%	34%	35%	37%	32%	34%	35%	37%	38%	40%
30	11%	11%	11%	11%	11%	11%	18%	18%	19%	20%	20%	20%	23%	24%	25%	26%	27%	27%	27%	28%	30%	31%	32%	33%	30%	31%	33%	34%	36%	37%
35	9%	9%	10%	9%	9%	9%	15%	16%	17%	17%	17%	17%	20%	22%	23%	23%	24%	24%	24%	26%	27%	28%	29%	30%	27%	29%	30%	32%	33%	34%
40	8%	8%	8%	8%	8%	8%	14%	14%	15%	15%	15%	15%	18%	19%	20%	21%	22%	22%	22%	24%	25%	26%	27%	27%	25%	27%	28%	30%	31%	32%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

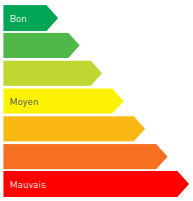
Météo : Mayotte
Orientation : OUEST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,43	0,39	0,37	0,34	0,33	0,31	0,33	0,31	0,29	0,28	0,28	0,27	0,30	0,28	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26	0,28	0,27	0,27	0,26	0,26	0,26
10	0,60	0,58	0,56	0,54	0,53	0,53	0,46	0,42	0,39	0,36	0,34	0,32	0,39	0,35	0,33	0,31	0,29	0,28	0,35	0,32	0,30	0,29	0,28	0,27	0,33	0,30	0,29	0,28	0,28	0,27
15	0,70	0,68	0,67	0,67	0,66	0,67	0,56	0,53	0,50	0,47	0,45	0,43	0,48	0,43	0,40	0,37	0,34	0,32	0,42	0,38	0,35	0,32	0,31	0,29	0,38	0,34	0,32	0,30	0,29	0,28
20							0,64	0,61	0,58	0,56	0,55	0,54	0,55	0,51	0,47	0,44	0,42	0,40	0,48	0,44	0,40	0,37	0,35	0,33	0,44	0,39	0,36	0,33	0,31	0,30
25							0,69	0,67	0,65	0,63	0,63	0,62	0,61	0,57	0,54	0,51	0,49	0,48	0,54	0,50	0,46	0,43	0,40	0,38	0,49	0,44	0,41	0,38	0,35	0,33
30									0,70	0,69	0,68	0,68	0,65	0,62	0,59	0,57	0,56	0,55	0,59	0,55	0,51	0,49	0,46	0,44	0,53	0,49	0,45	0,42	0,39	0,37
35													0,69	0,66	0,64	0,62	0,61	0,60	0,63	0,59	0,56	0,54	0,52	0,50	0,57	0,53	0,50	0,47	0,44	0,42
40														0,70	0,68	0,66	0,65	0,65	0,66	0,63	0,60	0,58	0,56	0,55	0,61	0,57	0,54	0,51	0,49	0,47

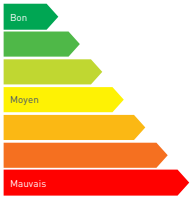
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	32%	29%	26%	22%	16%	10%	22%	11%	2%	2%	1%	1%	12%	1%	1%	1%	0%	0%	4%	1%	1%	1%	0%	0%	1%	1%	0%	1%	0%	0%
10	41%	40%	40%	39%	38%	38%	35%	32%	29%	24%	18%	11%	29%	23%	13%	5%	2%	1%	24%	13%	3%	2%	1%	1%	20%	6%	2%	1%	1%	1%
15	45%	45%	45%	45%	45%	45%	39%	38%	37%	35%	34%	33%	35%	34%	30%	26%	18%	12%	32%	28%	19%	10%	5%	2%	28%	21%	9%	4%	2%	1%
20	49%	49%	49%	49%	49%	50%	43%	43%	41%	40%	39%	39%	39%	38%	36%	34%	32%	29%	36%	34%	31%	27%	19%	12%	34%	30%	23%	14%	7%	3%
25	52%	52%	52%	52%	52%	52%	45%	45%	45%	44%	43%	42%	42%	41%	39%	38%	36%	35%	39%	37%	35%	33%	30%	27%	36%	35%	31%	27%	19%	12%
30	54%	53%	53%	53%	53%	53%	48%	47%	47%	46%	45%	46%	44%	43%	42%	41%	40%	39%	41%	40%	38%	36%	35%	34%	38%	37%	35%	33%	29%	25%
35	55%	54%	54%	54%	54%	55%	50%	49%	49%	49%	48%	48%	45%	45%	44%	43%	42%	42%	43%	42%	40%	39%	38%	37%	40%	39%	38%	35%	34%	32%
40	56%	56%	56%	56%	56%	56%	52%	51%	51%	51%	50%	50%	47%	47%	46%	45%	45%	44%	45%	44%	42%	41%	40%	39%	42%	41%	39%	38%	36%	35%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	41%	43%	44%	46%	47%	48%	46%	48%	49%	50%	50%	51%	49%	50%	50%	51%	51%	51%	50%	51%	51%	51%	51%	52%	50%	51%	51%	51%	52%	52%
10	29%	30%	32%	33%	33%	33%	38%	41%	43%	45%	46%	47%	43%	45%	47%	48%	49%	50%	45%	47%	49%	49%	50%	51%	47%	49%	50%	50%	51%	51%
15	22%	23%	23%	24%	24%	24%	31%	34%	36%	37%	39%	40%	37%	40%	42%	44%	46%	47%	41%	44%	46%	47%	48%	49%	43%	46%	47%	48%	49%	50%
20	17%	18%	18%	18%	18%	18%	26%	28%	30%	31%	32%	32%	32%	35%	37%	39%	41%	42%	37%	40%	42%	44%	45%	47%	40%	42%	45%	46%	48%	49%
25	14%	14%	15%	15%	15%	14%	22%	24%	25%	26%	27%	27%	28%	31%	33%	34%	36%	37%	33%	36%	38%	40%	42%	43%	36%	39%	42%	44%	45%	47%
30	11%	12%	12%	12%	12%	12%	19%	20%	22%	22%	23%	23%	25%	27%	29%	30%	31%	32%	30%	32%	34%	36%	38%	39%	33%	36%	38%	40%	42%	44%
35	10%	10%	10%	10%	10%	10%	17%	18%	19%	19%	20%	20%	22%	24%	26%	27%	28%	28%	27%	29%	31%	33%	34%	35%	31%	33%	36%	38%	39%	41%
40	8%	9%	9%	9%	9%	8%	15%	16%	17%	17%	17%	17%	20%	22%	23%	24%	25%	25%	25%	27%	28%	30%	31%	32%	28%	31%	33%	35%	36%	37%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 75%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

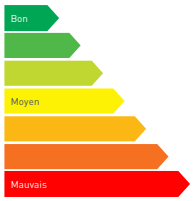
Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 75 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,41	0,37	0,35	0,32	0,31	0,29	0,32	0,29	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,26	0,26	0,26	0,28	0,27	0,26	0,26	0,26	0,26	0,27	0,26	0,26	0,26	0,26	0,25
10	0,59	0,56	0,54	0,52	0,51	0,51	0,44	0,40	0,36	0,34	0,31	0,30	0,37	0,33	0,31	0,29	0,28	0,27	0,33	0,30	0,28	0,28	0,27	0,27	0,31	0,29	0,28	0,27	0,27	0,26
15	0,69	0,67	0,66	0,65	0,65	0,66	0,54	0,50	0,47	0,44	0,42	0,41	0,45	0,41	0,37	0,34	0,32	0,30	0,40	0,35	0,32	0,30	0,29	0,28	0,36	0,32	0,30	0,29	0,28	0,27
20							0,62	0,59	0,56	0,54	0,53	0,52	0,53	0,48	0,44	0,41	0,39	0,37	0,46	0,41	0,37	0,34	0,32	0,30	0,41	0,37	0,33	0,31	0,29	0,28
25							0,68	0,65	0,63	0,62	0,61	0,61	0,59	0,55	0,51	0,49	0,47	0,45	0,52	0,47	0,43	0,40	0,37	0,35	0,46	0,41	0,38	0,35	0,32	0,30
30									0,68	0,67	0,67	0,67	0,64	0,60	0,57	0,55	0,53	0,53	0,57	0,52	0,49	0,45	0,43	0,41	0,51	0,46	0,42	0,39	0,36	0,34
35													0,68	0,65	0,62	0,60	0,59	0,59	0,61	0,57	0,53	0,51	0,49	0,48	0,55	0,51	0,47	0,43	0,41	0,39
40														0,68	0,66	0,64	0,63	0,63	0,65	0,61	0,58	0,55	0,54	0,53	0,59	0,55	0,51	0,48	0,46	0,44

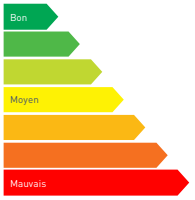
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	53%	50%	49%	45%	42%	36%	45%	37%	28%	28%	25%	23%	39%	26%	26%	24%	23%	21%	30%	26%	23%	23%	21%	21%	23%	26%	21%	23%	20%	21%
10	62%	61%	61%	60%	59%	59%	55%	54%	50%	47%	44%	37%	50%	47%	40%	31%	29%	27%	47%	39%	29%	29%	27%	24%	44%	32%	28%	27%	25%	23%
15	66%	66%	65%	65%	65%	65%	61%	59%	58%	57%	55%	54%	56%	55%	52%	49%	44%	38%	53%	50%	45%	37%	30%	29%	50%	47%	35%	30%	29%	27%
20	69%	68%	68%	68%	69%	69%	64%	63%	62%	61%	60%	60%	60%	59%	57%	56%	53%	51%	57%	56%	52%	49%	44%	39%	55%	52%	47%	41%	31%	30%
25	70%	70%	70%	70%	70%	70%	66%	65%	65%	64%	64%	64%	62%	61%	60%	59%	58%	57%	59%	58%	57%	55%	52%	49%	57%	56%	53%	49%	45%	39%
30	71%	71%	71%	71%	71%	71%	68%	67%	67%	66%	66%	66%	64%	64%	63%	62%	61%	60%	62%	61%	59%	58%	56%	55%	59%	58%	56%	54%	51%	48%
35	72%	72%	71%	71%	71%	72%	69%	68%	68%	68%	68%	68%	66%	65%	64%	64%	63%	63%	64%	63%	61%	60%	59%	58%	61%	60%	59%	57%	55%	53%
40	72%	72%	72%	72%	72%	72%	70%	70%	69%	69%	69%	69%	67%	67%	66%	66%	65%	64%	65%	64%	63%	62%	61%	60%	63%	62%	60%	59%	58%	56%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	42%	44%	45%	46%	48%	49%	47%	49%	50%	50%	51%	51%	49%	50%	51%	51%	52%	52%	50%	51%	51%	52%	52%	52%	51%	52%	52%	52%	52%	52%
10	30%	31%	33%	34%	34%	34%	40%	42%	44%	45%	47%	48%	44%	46%	48%	49%	50%	50%	46%	48%	49%	50%	51%	51%	48%	49%	50%	51%	51%	52%
15	23%	24%	24%	25%	25%	24%	33%	35%	37%	38%	40%	41%	39%	41%	43%	45%	46%	48%	42%	45%	46%	48%	49%	50%	44%	47%	48%	49%	50%	51%
20	18%	18%	19%	19%	19%	18%	27%	29%	31%	32%	33%	33%	34%	36%	38%	40%	42%	43%	38%	41%	43%	45%	46%	47%	41%	43%	45%	47%	48%	49%
25	14%	15%	15%	15%	15%	15%	23%	25%	26%	27%	28%	28%	30%	32%	34%	36%	37%	38%	34%	37%	39%	41%	43%	44%	38%	40%	43%	44%	46%	47%
30	12%	13%	13%	13%	12%	12%	20%	21%	23%	23%	24%	23%	26%	28%	30%	31%	32%	33%	31%	34%	36%	37%	39%	40%	35%	37%	40%	42%	43%	45%
35	10%	11%	11%	11%	11%	10%	18%	19%	20%	20%	20%	20%	23%	25%	27%	28%	29%	29%	28%	31%	33%	34%	35%	36%	32%	35%	37%	39%	40%	42%
40	9%	9%	9%	9%	9%	9%	15%	17%	17%	18%	18%	18%	21%	23%	24%	25%	26%	26%	26%	28%	30%	31%	32%	33%	30%	32%	34%	36%	37%	38%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

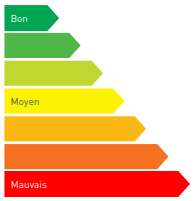
Météo : Mayotte
Orientation : NORD
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,56	0,55	0,54	0,54	0,53	0,52	0,53	0,52	0,52	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,50	0,52	0,51	0,51	0,51	0,50	0,50	0,51	0,51	0,51	0,51	0,50	0,50
10	0,70	0,68	0,66	0,65	0,65	0,65	0,58	0,56	0,55	0,54	0,53	0,53	0,55	0,54	0,53	0,52	0,52	0,51	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51
15							0,65	0,62	0,60	0,59	0,58	0,57	0,58	0,57	0,56	0,55	0,54	0,53	0,56	0,55	0,54	0,53	0,52	0,52	0,55	0,54	0,53	0,52	0,52	0,51
20								0,70	0,68	0,66	0,66	0,66	0,62	0,60	0,58	0,57	0,56	0,56	0,59	0,57	0,56	0,55	0,54	0,53	0,57	0,55	0,54	0,53	0,53	0,52
25													0,68	0,65	0,63	0,61	0,60	0,60	0,62	0,59	0,58	0,57	0,56	0,55	0,59	0,57	0,56	0,55	0,54	0,53
30															0,68	0,67	0,66	0,66	0,66	0,63	0,60	0,59	0,58	0,57	0,61	0,59	0,58	0,56	0,55	0,55
35																				0,67	0,65	0,63	0,62	0,62	0,64	0,61	0,59	0,58	0,57	0,56
40																					0,68	0,67	0,66	0,66	0,68	0,65	0,62	0,60	0,59	0,59

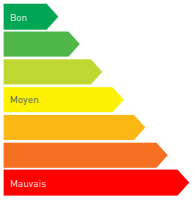
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	89%	88%	87%	86%	86%	86%	86%	86%	85%	85%	85%	85%	86%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
10	92%	91%	91%	91%	91%	91%	90%	89%	88%	87%	86%	86%	88%	86%	86%	85%	85%	85%	87%	86%	85%	85%	85%	85%	86%	85%	85%	85%	85%	85%
15	92%	92%	92%	92%	92%	92%	92%	91%	90%	90%	89%	89%	90%	89%	88%	87%	86%	86%	89%	87%	86%	86%	85%	85%	88%	86%	86%	85%	85%	85%
20	93%	93%	93%	93%	93%	93%	92%	92%	91%	91%	91%	91%	91%	91%	90%	89%	88%	88%	91%	89%	88%	87%	86%	86%	90%	88%	86%	86%	85%	85%
25	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	91%	91%	90%	90%	90%	91%	91%	89%	89%	88%	87%	91%	89%	88%	87%	86%	86%
30	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	92%	91%	91%	90%	89%	89%	91%	90%	89%	88%	87%	87%
35	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	93%	92%	92%	92%	91%	91%	92%	92%	91%	91%	90%	90%	92%	91%	90%	89%	89%	88%
40	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	92%	92%	91%	90%	90%	89%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	29%	30%	30%	31%	32%	32%	32%	33%	33%	34%	34%	34%	33%	34%	34%	34%	34%	35%	34%	34%	34%	35%	35%	35%	34%	34%	35%	35%	35%	35%
10	21%	22%	23%	23%	24%	24%	28%	28%	29%	30%	31%	32%	30%	31%	32%	32%	33%	34%	31%	32%	33%	33%	34%	34%	32%	33%	33%	34%	34%	34%
15	16%	16%	17%	17%	17%	16%	24%	25%	26%	26%	27%	28%	27%	28%	29%	30%	31%	32%	29%	30%	31%	32%	32%	33%	30%	31%	32%	33%	33%	34%
20	12%	13%	13%	13%	13%	12%	20%	21%	22%	22%	23%	23%	24%	25%	26%	27%	28%	29%	27%	28%	29%	30%	31%	31%	28%	29%	30%	31%	32%	33%
25	10%	10%	10%	10%	10%	10%	17%	18%	18%	19%	19%	19%	22%	23%	24%	25%	25%	26%	25%	26%	27%	28%	29%	29%	27%	28%	29%	29%	30%	31%
30	8%	8%	9%	8%	8%	8%	14%	15%	16%	16%	16%	16%	19%	20%	21%	22%	22%	23%	23%	24%	25%	26%	27%	27%	25%	26%	27%	28%	29%	30%
35	7%	7%	7%	7%	7%	7%	12%	13%	14%	14%	14%	14%	17%	18%	19%	20%	20%	20%	21%	22%	23%	24%	25%	25%	23%	25%	26%	26%	27%	28%
40	6%	6%	6%	6%	6%	6%	11%	12%	12%	12%	12%	12%	15%	16%	17%	17%	18%	18%	19%	20%	21%	22%	22%	22%	22%	23%	24%	25%	26%	26%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

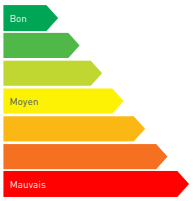
Météo : Mayotte
Orientation : NORD-EST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,60	0,58	0,56	0,55	0,54	0,53	0,55	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,50	0,52	0,51	0,51	0,51	0,50	0,50
10			0,69	0,68	0,67	0,67	0,62	0,60	0,58	0,56	0,54	0,53	0,58	0,55	0,54	0,53	0,52	0,52	0,56	0,54	0,52	0,52	0,52	0,51	0,54	0,53	0,52	0,52	0,51	0,51
15							0,69	0,67	0,65	0,63	0,61	0,60	0,63	0,60	0,58	0,56	0,55	0,54	0,60	0,57	0,55	0,54	0,53	0,52	0,57	0,55	0,53	0,53	0,52	0,52
20										0,69	0,68	0,68	0,68	0,65	0,63	0,61	0,59	0,58	0,64	0,61	0,58	0,56	0,55	0,54	0,61	0,58	0,56	0,54	0,53	0,52
25														0,69	0,67	0,66	0,64	0,63	0,67	0,64	0,62	0,60	0,58	0,57	0,64	0,61	0,58	0,57	0,55	0,54
30																0,70	0,69	0,68		0,68	0,65	0,64	0,62	0,61	0,67	0,64	0,61	0,59	0,58	0,56
35																					0,69	0,67	0,66	0,65	0,70	0,67	0,64	0,62	0,61	0,59
40																						0,70	0,69	0,68		0,69	0,67	0,65	0,64	0,63

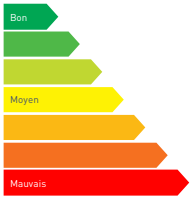
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	76%	75%	75%	74%	73%	72%	73%	72%	70%	70%	69%	69%	73%	70%	69%	69%	68%	68%	71%	69%	69%	69%	68%	68%	69%	69%	68%	68%	68%	68%
10	79%	79%	79%	79%	78%	78%	77%	77%	76%	75%	74%	72%	76%	75%	73%	71%	70%	70%	74%	73%	70%	70%	70%	69%	73%	71%	70%	70%	69%	68%
15	80%	80%	80%	80%	80%	80%	79%	79%	78%	78%	77%	77%	78%	77%	76%	75%	74%	72%	76%	75%	74%	73%	70%	70%	76%	75%	72%	70%	70%	70%
20	82%	82%	81%	81%	81%	81%	80%	80%	79%	79%	79%	79%	79%	78%	78%	77%	76%	76%	78%	77%	76%	75%	74%	73%	77%	76%	75%	74%	71%	70%
25	82%	82%	82%	82%	82%	82%	81%	80%	80%	80%	80%	80%	79%	79%	79%	78%	78%	78%	79%	78%	78%	77%	76%	75%	78%	77%	76%	75%	74%	73%
30	83%	83%	82%	82%	83%	83%	81%	81%	81%	81%	80%	80%	80%	80%	79%	79%	79%	79%	79%	79%	78%	78%	78%	77%	79%	78%	78%	77%	76%	75%
35	83%	83%	83%	83%	83%	83%	82%	82%	81%	81%	81%	81%	81%	80%	80%	80%	80%	79%	80%	79%	79%	79%	78%	78%	79%	79%	78%	78%	77%	76%
40	83%	83%	83%	83%	83%	83%	82%	82%	82%	82%	82%	82%	81%	81%	81%	80%	80%	80%	80%	80%	80%	79%	79%	79%	80%	79%	79%	78%	78%	78%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	30%	31%	31%	32%	33%	32%	33%	34%	34%	35%	35%	34%	34%	35%	35%	35%	35%	34%	35%	35%	35%	35%	36%	35%	35%	35%	35%	36%	36%
10	20%	21%	22%	23%	23%	23%	27%	28%	30%	31%	32%	32%	30%	31%	32%	33%	34%	34%	31%	33%	34%	34%	34%	35%	32%	34%	34%	34%	35%	35%
15	15%	16%	16%	16%	16%	16%	22%	24%	25%	26%	27%	27%	26%	28%	29%	30%	31%	32%	29%	30%	31%	32%	33%	34%	30%	31%	33%	33%	34%	34%
20	12%	12%	13%	13%	12%	12%	18%	20%	21%	22%	22%	22%	23%	24%	26%	27%	28%	29%	26%	27%	29%	30%	31%	32%	28%	29%	31%	32%	33%	33%
25	9%	10%	10%	10%	10%	10%	16%	17%	17%	18%	18%	18%	20%	22%	23%	24%	25%	25%	23%	25%	26%	28%	29%	30%	26%	27%	29%	30%	31%	32%
30	8%	8%	8%	8%	8%	8%	13%	14%	15%	15%	16%	16%	18%	19%	20%	21%	22%	22%	21%	23%	24%	25%	26%	27%	24%	25%	27%	28%	29%	30%
35	7%	7%	7%	7%	7%	5%	12%	12%	13%	13%	13%	13%	16%	17%	18%	19%	19%	19%	19%	21%	22%	23%	24%	24%	22%	23%	25%	26%	27%	28%
40	6%	6%	6%	6%	6%	5%	10%	11%	11%	12%	12%	12%	14%	15%	16%	17%	17%	17%	17%	19%	20%	21%	22%	22%	20%	22%	23%	24%	25%	26%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

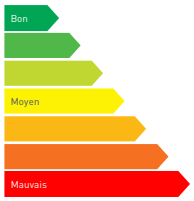
Météo : Mayotte
Orientation : EST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,58	0,57	0,55	0,54	0,56	0,54	0,53	0,52	0,52	0,51	0,54	0,52	0,52	0,52	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,51
10				0,69	0,69	0,69	0,64	0,62	0,59	0,58	0,56	0,55	0,59	0,57	0,55	0,54	0,53	0,52	0,57	0,55	0,54	0,53	0,52	0,52	0,55	0,54	0,53	0,52	0,52	0,51
15								0,68	0,67	0,65	0,64	0,62	0,65	0,62	0,60	0,58	0,57	0,55	0,61	0,59	0,57	0,55	0,54	0,53	0,59	0,57	0,55	0,54	0,53	0,52
20												0,70	0,70	0,67	0,65	0,63	0,62	0,60	0,65	0,63	0,60	0,58	0,57	0,55	0,63	0,60	0,58	0,56	0,55	0,54
25															0,69	0,68	0,66	0,65	0,69	0,67	0,64	0,62	0,61	0,59	0,66	0,63	0,61	0,59	0,57	0,55
30																				0,70	0,68	0,66	0,64	0,63	0,69	0,66	0,64	0,62	0,60	0,58
35																						0,69	0,68	0,67		0,69	0,67	0,65	0,63	0,62
40																											0,69	0,67	0,66	0,65

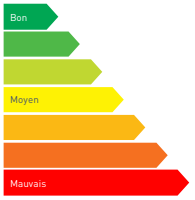
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	62%	62%	61%	60%	59%	58%	58%	58%	56%	56%	56%	56%	57%	56%	56%	56%	55%	55%	56%	56%	56%	56%	55%	55%	55%	56%	55%	55%	54%	54%
10	67%	67%	67%	67%	66%	66%	64%	63%	62%	61%	60%	59%	61%	61%	59%	58%	57%	56%	59%	59%	57%	57%	56%	56%	58%	57%	57%	56%	56%	55%
15	70%	70%	70%	70%	70%	70%	67%	67%	66%	65%	64%	64%	64%	64%	63%	62%	61%	59%	63%	62%	61%	59%	58%	57%	61%	60%	59%	58%	57%	56%
20	72%	72%	72%	72%	72%	72%	69%	69%	68%	68%	67%	67%	67%	66%	65%	64%	63%	63%	64%	64%	63%	62%	61%	60%	63%	62%	61%	60%	59%	58%
25	74%	74%	73%	73%	73%	73%	70%	70%	70%	70%	69%	69%	68%	68%	67%	67%	66%	65%	66%	66%	65%	64%	63%	62%	65%	64%	63%	62%	61%	60%
30	74%	74%	74%	74%	74%	74%	71%	71%	71%	71%	71%	71%	69%	69%	69%	68%	68%	67%	68%	67%	67%	66%	65%	64%	66%	66%	64%	64%	63%	62%
35	75%	75%	75%	75%	75%	75%	72%	72%	72%	72%	72%	71%	70%	70%	70%	70%	69%	69%	69%	68%	68%	67%	67%	66%	67%	67%	66%	65%	64%	63%
40	75%	75%	75%	75%	75%	75%	74%	73%	73%	73%	73%	72%	71%	71%	71%	71%	70%	70%	70%	70%	69%	68%	68%	67%	68%	68%	67%	67%	66%	65%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	29%	30%	31%	32%	32%	32%	33%	33%	34%	34%	35%	33%	34%	34%	35%	35%	35%	34%	34%	35%	35%	35%	35%	34%	35%	35%	35%	35%	35%
10	19%	20%	21%	22%	22%	22%	26%	27%	29%	30%	31%	32%	29%	31%	32%	33%	33%	34%	31%	32%	33%	34%	34%	34%	32%	33%	34%	34%	34%	35%
15	14%	15%	16%	16%	16%	16%	21%	23%	24%	25%	26%	27%	25%	27%	28%	30%	31%	32%	28%	29%	31%	32%	33%	33%	29%	31%	32%	33%	33%	34%
20	11%	12%	12%	12%	12%	12%	18%	19%	20%	21%	21%	22%	22%	24%	25%	26%	27%	28%	25%	27%	28%	29%	31%	32%	27%	29%	30%	31%	32%	33%
25	9%	9%	10%	10%	10%	9%	15%	16%	17%	17%	18%	18%	19%	21%	22%	23%	24%	24%	22%	24%	25%	27%	28%	29%	25%	26%	28%	29%	30%	31%
30	8%	8%	8%	8%	8%	8%	13%	14%	14%	15%	15%	15%	17%	18%	19%	20%	21%	21%	20%	22%	23%	24%	25%	26%	23%	24%	26%	27%	28%	29%
35	6%	7%	7%	7%	7%	6%	11%	12%	12%	13%	13%	13%	15%	16%	17%	18%	18%	19%	18%	20%	21%	22%	23%	23%	21%	22%	24%	25%	26%	27%
40	5%	6%	6%	6%	6%	5%	10%	10%	11%	11%	11%	11%	13%	15%	15%	16%	16%	17%	16%	18%	19%	20%	21%	21%	19%	21%	22%	23%	24%	25%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

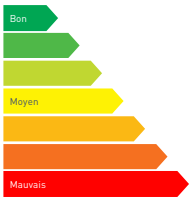
Météo : Mayotte
Orientation : SUD-EST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,63	0,62	0,61	0,60	0,59	0,57	0,57	0,57	0,56	0,55	0,54	0,53	0,55	0,54	0,54	0,53	0,52	0,52	0,54	0,53	0,53	0,52	0,52	0,51	0,53	0,53	0,52	0,52	0,51	0,51
10							0,66	0,65	0,64	0,62	0,61	0,59	0,61	0,60	0,59	0,58	0,56	0,55	0,59	0,58	0,57	0,56	0,55	0,53	0,57	0,56	0,55	0,55	0,54	0,53
15										0,69	0,68	0,67	0,67	0,66	0,65	0,63	0,61	0,59	0,64	0,62	0,61	0,60	0,58	0,56	0,61	0,60	0,59	0,57	0,56	0,55
20															0,69	0,68	0,66	0,65	0,68	0,66	0,65	0,64	0,62	0,60	0,65	0,64	0,62	0,61	0,59	0,57
25																		0,70		0,70	0,69	0,67	0,66	0,64	0,68	0,67	0,65	0,64	0,62	0,60
30																							0,69	0,68		0,70	0,68	0,67	0,65	0,63
35																												0,70	0,68	0,67
40																														0,69

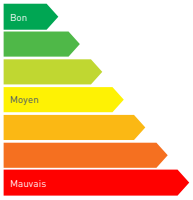
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	44%	43%	43%	43%	42%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	51%	50%	50%	49%	49%	49%	43%	43%	42%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	55%	55%	54%	54%	53%	53%	46%	45%	44%	43%	43%	43%	43%	42%	42%	0%	0%	0%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	59%	59%	58%	58%	58%	58%	50%	50%	49%	47%	46%	46%	44%	44%	43%	43%	42%	42%	42%	42%	41%	0%	0%	0%	41%	0%	0%	0%	0%	0%
30	61%	61%	61%	61%	61%	61%	53%	52%	51%	51%	50%	50%	47%	46%	45%	44%	43%	43%	44%	43%	43%	42%	41%	0%	42%	42%	0%	0%	0%	0%
35	63%	63%	62%	63%	62%	63%	56%	55%	55%	54%	53%	52%	50%	50%	48%	47%	45%	45%	46%	45%	44%	43%	42%	42%	43%	43%	42%	42%	0%	0%
40	64%	64%	64%	64%	64%	64%	58%	58%	57%	56%	56%	56%	52%	51%	50%	50%	49%	48%	49%	47%	45%	44%	44%	43%	45%	44%	43%	42%	42%	41%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	24%	25%	25%	26%	27%	28%	27%	28%	29%	29%	30%	30%	29%	29%	30%	30%	30%	31%	29%	30%	30%	30%	31%	31%	30%	30%	30%	30%	31%	31%
10	17%	18%	18%	19%	19%	19%	22%	23%	24%	25%	26%	27%	25%	26%	27%	28%	28%	29%	27%	27%	28%	29%	29%	30%	27%	28%	29%	29%	30%	30%
15	13%	13%	14%	14%	14%	14%	18%	19%	20%	21%	22%	22%	22%	23%	24%	25%	26%	27%	24%	25%	26%	27%	28%	28%	25%	26%	27%	28%	29%	29%
20	10%	11%	11%	11%	11%	10%	16%	16%	17%	18%	18%	18%	19%	20%	21%	22%	23%	24%	21%	23%	24%	25%	26%	27%	23%	24%	25%	26%	27%	28%
25	8%	9%	9%	9%	9%	8%	13%	14%	14%	15%	15%	15%	17%	18%	19%	19%	20%	21%	19%	20%	21%	22%	23%	24%	21%	22%	23%	24%	25%	27%
30	7%	7%	7%	7%	7%	7%	11%	12%	13%	13%	13%	13%	15%	16%	16%	17%	18%	18%	18%	18%	19%	20%	21%	22%	20%	21%	22%	23%	24%	25%
35	6%	6%	6%	6%	6%	5%	10%	11%	11%	11%	11%	11%	13%	14%	15%	15%	16%	16%	16%	17%	18%	18%	19%	20%	18%	19%	20%	21%	22%	23%
40	5%	5%	5%	5%	5%	5%	9%	9%	10%	10%	10%	10%	12%	13%	13%	14%	14%	14%	15%	15%	16%	17%	17%	18%	17%	18%	19%	19%	20%	21%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

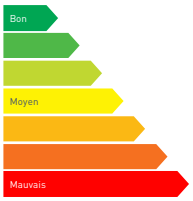
Météo : Mayotte
Orientation : SUD
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,64	0,63	0,62	0,61	0,60	0,58	0,58	0,57	0,56	0,55	0,54	0,53	0,55	0,55	0,54	0,53	0,53	0,52	0,54	0,54	0,53	0,53	0,52	0,51	0,53	0,53	0,53	0,52	0,52	0,51
10							0,67	0,66	0,65	0,63	0,62	0,60	0,62	0,61	0,60	0,59	0,57	0,55	0,59	0,59	0,57	0,56	0,55	0,54	0,58	0,57	0,56	0,55	0,54	0,53
15											0,69	0,68	0,68	0,67	0,66	0,64	0,62	0,60	0,64	0,63	0,62	0,61	0,59	0,57	0,62	0,61	0,60	0,58	0,57	0,55
20																0,69	0,68	0,66	0,68	0,67	0,66	0,65	0,63	0,61	0,66	0,65	0,63	0,62	0,60	0,58
25																					0,70	0,69	0,67	0,65	0,69	0,68	0,67	0,65	0,63	0,61
30																								0,69			0,70	0,68	0,67	0,65
35																													0,69	0,68
40																														

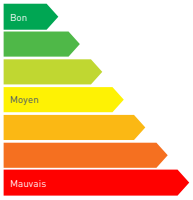
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	37%	37%	37%	37%	37%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	39%	39%	39%	39%	38%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	40%	40%	40%	40%	40%	40%	36%	36%	36%	36%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	42%	42%	42%	42%	42%	42%	37%	37%	37%	37%	37%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	43%	43%	43%	43%	43%	43%	39%	38%	38%	38%	38%	37%	36%	36%	36%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	20%	21%	21%	22%	23%	23%	23%	24%	24%	25%	25%	26%	25%	25%	26%	26%	26%	27%	25%	26%	26%	26%	26%	27%	26%	26%	26%	26%	27%	27%
10	14%	15%	15%	15%	16%	16%	19%	19%	20%	21%	22%	23%	21%	22%	23%	23%	24%	25%	23%	23%	24%	25%	25%	26%	23%	24%	25%	25%	26%	26%
15	11%	11%	11%	11%	11%	11%	15%	16%	16%	17%	18%	18%	18%	19%	20%	20%	21%	22%	20%	21%	22%	22%	23%	24%	21%	22%	23%	24%	24%	25%
20	9%	9%	9%	9%	9%	9%	13%	13%	14%	14%	15%	15%	16%	16%	17%	18%	19%	19%	18%	19%	19%	20%	21%	22%	19%	20%	21%	22%	23%	24%
25	7%	7%	7%	7%	7%	7%	11%	11%	12%	12%	12%	12%	14%	14%	15%	16%	16%	17%	16%	17%	17%	18%	19%	20%	18%	18%	19%	20%	21%	22%
30	6%	6%	6%	6%	6%	6%	10%	10%	10%	10%	11%	11%	12%	13%	13%	14%	14%	15%	14%	15%	16%	16%	17%	18%	16%	17%	18%	18%	19%	20%
35	5%	5%	5%	5%	5%	5%	9%	9%	9%	9%	9%	9%	11%	11%	12%	12%	13%	13%	13%	14%	14%	15%	15%	16%	15%	15%	16%	17%	18%	18%
40	5%	5%	5%	5%	4%	4%	8%	8%	8%	8%	8%	8%	10%	10%	11%	11%	11%	11%	12%	13%	13%	13%	14%	14%	14%	14%	15%	16%	16%	17%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

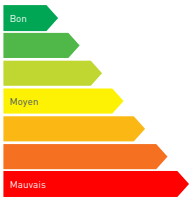
Météo : Mayotte
Orientation : SUD-OUEST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,63	0,62	0,61	0,60	0,59	0,57	0,57	0,56	0,56	0,55	0,54	0,53	0,55	0,54	0,54	0,53	0,52	0,52	0,54	0,53	0,53	0,52	0,52	0,51	0,53	0,53	0,52	0,52	0,51	0,51
10							0,66	0,65	0,63	0,62	0,60	0,59	0,61	0,60	0,59	0,58	0,56	0,55	0,59	0,58	0,57	0,56	0,55	0,53	0,57	0,56	0,55	0,54	0,54	0,52
15										0,69	0,68	0,67	0,67	0,66	0,64	0,63	0,61	0,59	0,63	0,62	0,61	0,59	0,58	0,56	0,61	0,60	0,59	0,57	0,56	0,54
20															0,69	0,68	0,66	0,65	0,67	0,66	0,65	0,63	0,62	0,60	0,65	0,63	0,62	0,60	0,59	0,57
25																		0,69		0,70	0,68	0,67	0,65	0,64	0,68	0,67	0,65	0,64	0,62	0,60
30																							0,69	0,68		0,69	0,68	0,67	0,65	0,63
35																												0,69	0,68	0,66
40																														0,69

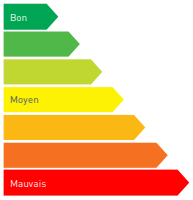
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	41%	41%	40%	40%	40%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	47%	46%	45%	45%	45%	45%	40%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	52%	52%	51%	51%	51%	51%	43%	42%	42%	41%	40%	40%	40%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	56%	56%	56%	56%	56%	56%	47%	46%	45%	44%	43%	43%	42%	41%	40%	40%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	59%	59%	59%	59%	59%	59%	51%	50%	48%	47%	47%	46%	44%	43%	42%	42%	41%	40%	41%	41%	40%	0%	0%	0%	40%	0%	0%	0%	0%	0%
35	61%	61%	61%	61%	61%	61%	53%	52%	51%	51%	51%	50%	47%	46%	44%	44%	43%	42%	43%	42%	41%	40%	40%	0%	41%	40%	39%	0%	0%	0%
40	63%	63%	62%	62%	62%	62%	56%	56%	55%	54%	53%	53%	49%	48%	47%	46%	45%	45%	45%	44%	43%	42%	41%	41%	42%	42%	41%	40%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	25%	25%	26%	27%	28%	29%	28%	29%	30%	30%	30%	31%	29%	30%	31%	31%	31%	31%	30%	31%	31%	31%	31%	32%	30%	31%	31%	31%	32%	32%
10	17%	18%	19%	19%	19%	20%	23%	24%	25%	26%	27%	28%	26%	27%	28%	29%	29%	30%	27%	28%	29%	30%	30%	31%	28%	29%	30%	30%	31%	31%
15	13%	13%	14%	14%	14%	14%	19%	20%	21%	22%	23%	23%	22%	24%	25%	26%	27%	28%	25%	26%	27%	28%	29%	29%	26%	27%	28%	29%	29%	30%
20	10%	11%	11%	11%	11%	10%	16%	17%	17%	18%	19%	19%	19%	21%	22%	23%	24%	24%	22%	23%	24%	25%	27%	28%	24%	25%	26%	27%	28%	29%
25	8%	8%	9%	9%	8%	8%	13%	14%	15%	15%	15%	16%	17%	18%	19%	20%	21%	21%	20%	21%	22%	23%	24%	25%	22%	23%	24%	25%	26%	27%
30	7%	7%	7%	7%	7%	7%	11%	12%	13%	13%	13%	13%	15%	16%	17%	18%	18%	18%	18%	19%	20%	21%	22%	23%	20%	21%	22%	23%	24%	26%
35	6%	6%	6%	6%	6%	5%	10%	11%	11%	11%	11%	11%	13%	14%	15%	16%	16%	16%	16%	17%	18%	19%	20%	20%	18%	20%	21%	22%	23%	24%
40	5%	5%	5%	5%	5%	5%	9%	9%	10%	10%	10%	10%	12%	13%	13%	14%	14%	14%	15%	16%	17%	17%	18%	18%	17%	18%	19%	20%	21%	22%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

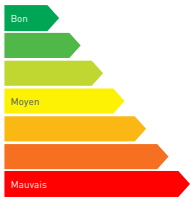
Météo : Mayotte
Orientation : OUEST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,58	0,56	0,55	0,54	0,56	0,54	0,53	0,52	0,52	0,51	0,54	0,52	0,52	0,51	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,50
10				0,69	0,69	0,69	0,64	0,61	0,59	0,57	0,56	0,55	0,59	0,57	0,55	0,54	0,53	0,52	0,57	0,55	0,53	0,53	0,52	0,52	0,55	0,53	0,53	0,52	0,52	0,51
15								0,69	0,67	0,65	0,63	0,62	0,65	0,62	0,60	0,58	0,56	0,55	0,61	0,59	0,56	0,55	0,54	0,53	0,59	0,56	0,55	0,54	0,53	0,52
20												0,70	0,70	0,67	0,65	0,63	0,61	0,60	0,66	0,63	0,60	0,58	0,57	0,55	0,63	0,60	0,57	0,56	0,54	0,53
25															0,69	0,68	0,66	0,65	0,69	0,67	0,64	0,62	0,60	0,59	0,66	0,63	0,60	0,58	0,57	0,55
30																		0,70		0,70	0,68	0,66	0,64	0,63	0,69	0,66	0,64	0,61	0,60	0,58
35																						0,69	0,68	0,67		0,69	0,67	0,64	0,63	0,61
40																											0,69	0,67	0,66	0,65

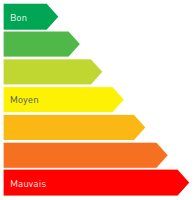
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	63%	63%	62%	62%	60%	60%	60%	60%	58%	58%	57%	57%	59%	58%	58%	57%	57%	56%	57%	58%	57%	57%	56%	56%	56%	58%	56%	57%	56%	56%
10	69%	68%	68%	68%	67%	67%	65%	64%	63%	62%	61%	60%	62%	62%	61%	60%	59%	58%	61%	60%	59%	59%	58%	57%	60%	59%	59%	58%	57%	57%
15	72%	72%	72%	71%	71%	71%	68%	68%	67%	66%	66%	65%	65%	65%	64%	63%	62%	61%	64%	63%	62%	61%	60%	59%	62%	62%	60%	60%	59%	58%
20	73%	73%	73%	73%	73%	73%	70%	70%	70%	69%	68%	68%	68%	67%	66%	66%	65%	64%	66%	65%	64%	63%	62%	61%	64%	64%	62%	62%	60%	59%
25	74%	74%	74%	74%	74%	74%	72%	72%	71%	71%	70%	70%	70%	69%	68%	68%	67%	66%	68%	67%	66%	65%	64%	63%	66%	66%	64%	63%	62%	61%
30	75%	75%	75%	75%	75%	75%	73%	73%	72%	72%	72%	72%	71%	70%	70%	69%	69%	68%	69%	68%	68%	67%	66%	65%	68%	67%	66%	65%	64%	63%
35	76%	76%	76%	76%	76%	76%	74%	74%	73%	73%	73%	73%	72%	72%	71%	71%	70%	70%	70%	70%	69%	69%	68%	67%	68%	68%	67%	66%	65%	65%
40	76%	76%	76%	76%	76%	76%	74%	74%	74%	74%	74%	74%	72%	72%	72%	72%	72%	71%	71%	71%	70%	70%	69%	69%	70%	69%	68%	68%	67%	66%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	29%	30%	31%	32%	33%	32%	33%	34%	34%	35%	35%	33%	34%	35%	35%	35%	36%	34%	35%	35%	35%	36%	36%	35%	35%	35%	36%	36%	36%
10	19%	20%	21%	22%	22%	22%	26%	28%	29%	31%	32%	33%	29%	31%	32%	33%	34%	34%	31%	33%	34%	34%	35%	35%	32%	34%	34%	35%	35%	35%
15	14%	15%	15%	16%	16%	16%	21%	23%	24%	25%	26%	27%	25%	27%	29%	30%	31%	32%	28%	30%	31%	32%	33%	34%	30%	31%	33%	33%	34%	35%
20	11%	11%	12%	12%	12%	12%	17%	19%	20%	21%	21%	22%	22%	24%	25%	27%	28%	29%	25%	27%	29%	30%	31%	32%	27%	29%	31%	32%	33%	34%
25	9%	9%	9%	9%	9%	9%	15%	16%	17%	17%	18%	18%	19%	21%	22%	23%	24%	25%	22%	24%	26%	27%	28%	29%	25%	27%	28%	30%	31%	32%
30	7%	8%	8%	8%	8%	7%	12%	13%	14%	15%	15%	15%	17%	18%	19%	20%	21%	21%	20%	22%	23%	25%	26%	27%	22%	24%	26%	28%	29%	30%
35	6%	6%	6%	6%	6%	5%	11%	12%	12%	13%	13%	13%	15%	16%	17%	18%	18%	19%	18%	20%	21%	22%	23%	24%	20%	22%	24%	25%	27%	28%
40	5%	5%	5%	5%	5%	5%	9%	10%	11%	11%	11%	11%	13%	14%	15%	16%	16%	16%	16%	18%	19%	20%	21%	21%	19%	21%	22%	23%	24%	25%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 50%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

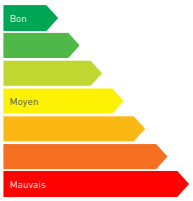
Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 50 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,60	0,58	0,56	0,55	0,54	0,53	0,55	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51	0,52	0,51	0,51	0,51	0,51	0,50	0,52	0,51	0,51	0,51	0,50	0,50
10			0,69	0,68	0,68	0,67	0,63	0,60	0,58	0,56	0,54	0,53	0,58	0,55	0,54	0,53	0,52	0,52	0,56	0,53	0,52	0,52	0,51	0,51	0,54	0,52	0,52	0,51	0,51	0,51
15							0,70	0,67	0,65	0,63	0,62	0,61	0,63	0,60	0,58	0,56	0,55	0,53	0,60	0,57	0,55	0,53	0,53	0,52	0,58	0,55	0,53	0,52	0,52	0,51
20										0,69	0,69	0,68	0,68	0,65	0,63	0,61	0,59	0,58	0,64	0,61	0,58	0,56	0,55	0,54	0,61	0,58	0,56	0,54	0,53	0,52
25														0,70	0,68	0,66	0,64	0,64	0,68	0,65	0,62	0,60	0,58	0,57	0,64	0,61	0,58	0,56	0,55	0,54
30																0,70	0,69	0,68		0,68	0,66	0,64	0,62	0,61	0,67	0,64	0,61	0,59	0,58	0,56
35																					0,69	0,67	0,66	0,65		0,67	0,64	0,62	0,61	0,59
40																							0,69	0,69		0,70	0,67	0,65	0,64	0,63

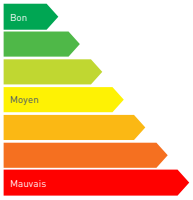
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	77%	77%	77%	76%	75%	75%	76%	75%	73%	73%	72%	72%	75%	72%	72%	72%	72%	72%	73%	72%	72%	72%	72%	72%	72%	72%	72%	72%	72%	72%
10	80%	80%	80%	80%	79%	79%	78%	78%	77%	77%	76%	75%	77%	76%	76%	74%	73%	73%	76%	76%	73%	73%	73%	72%	76%	74%	73%	73%	72%	72%
15	82%	82%	81%	81%	81%	81%	80%	79%	79%	79%	78%	78%	78%	78%	77%	77%	76%	75%	77%	77%	76%	75%	74%	73%	77%	76%	75%	74%	73%	73%
20	83%	82%	82%	82%	82%	82%	81%	80%	80%	80%	80%	80%	80%	79%	79%	78%	78%	77%	79%	78%	77%	77%	76%	75%	78%	77%	77%	76%	74%	74%
25	83%	83%	83%	83%	83%	83%	82%	82%	81%	81%	81%	81%	80%	80%	80%	79%	79%	79%	80%	79%	79%	78%	77%	77%	79%	78%	78%	77%	76%	75%
30	83%	83%	83%	83%	83%	83%	82%	82%	82%	82%	82%	82%	81%	81%	80%	80%	80%	80%	80%	80%	79%	79%	79%	78%	79%	79%	79%	78%	77%	77%
35	84%	84%	84%	84%	84%	84%	83%	82%	82%	82%	82%	82%	82%	82%	81%	81%	81%	80%	81%	80%	80%	80%	79%	79%	80%	80%	79%	79%	78%	78%
40	84%	84%	84%	84%	84%	84%	83%	83%	83%	83%	82%	82%	82%	82%	82%	82%	81%	81%	81%	81%	81%	80%	80%	80%	80%	80%	80%	79%	79%	79%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	30%	31%	32%	32%	33%	32%	33%	34%	35%	35%	35%	34%	35%	35%	35%	35%	36%	34%	35%	35%	35%	36%	36%	35%	35%	35%	36%	36%	36%
10	20%	21%	22%	23%	23%	23%	27%	28%	30%	31%	32%	33%	30%	31%	33%	33%	34%	34%	31%	33%	34%	34%	35%	35%	32%	34%	34%	35%	35%	35%
15	15%	16%	16%	16%	16%	16%	22%	23%	25%	26%	27%	27%	26%	28%	29%	31%	32%	33%	29%	30%	32%	33%	33%	34%	30%	32%	33%	34%	34%	35%
20	11%	12%	12%	12%	12%	12%	18%	19%	21%	21%	22%	22%	23%	24%	26%	27%	28%	29%	26%	28%	29%	30%	31%	32%	28%	29%	31%	32%	33%	34%
25	9%	10%	10%	10%	10%	9%	15%	16%	17%	18%	18%	18%	20%	21%	23%	24%	25%	25%	23%	25%	26%	28%	29%	30%	25%	27%	29%	30%	31%	32%
30	8%	8%	8%	8%	8%	8%	13%	14%	15%	15%	15%	15%	17%	19%	20%	21%	22%	22%	21%	23%	24%	25%	26%	27%	23%	25%	27%	28%	29%	30%
35	6%	7%	7%	7%	7%	5%	11%	12%	13%	13%	13%	13%	15%	17%	18%	19%	19%	19%	19%	20%	22%	23%	24%	24%	21%	23%	25%	26%	27%	28%
40	5%	6%	6%	6%	6%	5%	10%	11%	11%	12%	12%	11%	14%	15%	16%	17%	17%	17%	17%	19%	20%	21%	22%	22%	20%	21%	23%	24%	25%	26%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

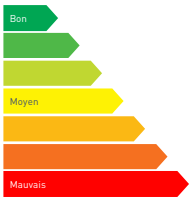
Météo : Mayotte
Orientation : NORD
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

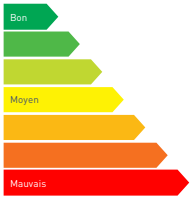
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
10	98%	98%	98%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
15	98%	98%	98%	98%	98%	98%	98%	98%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
20	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	97%	97%	98%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
25	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	97%	97%	97%	98%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
30	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	97%	97%	98%	98%	97%	97%	97%	97%	98%	97%	97%	97%	97%	97%
35	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	97%	97%	97%	98%	98%	97%	97%	97%	97%
40	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	97%	97%	98%	98%	98%	97%	97%	97%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	15%	16%	16%	16%	17%	16%	17%	17%	17%	18%	18%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
10	11%	11%	12%	12%	12%	12%	14%	15%	15%	16%	16%	16%	15%	16%	16%	17%	17%	17%	16%	17%	17%	17%	17%	18%	17%	17%	17%	17%	18%	18%
15	8%	8%	8%	8%	8%	8%	12%	13%	13%	14%	14%	14%	14%	14%	15%	15%	16%	16%	15%	15%	16%	16%	17%	17%	15%	16%	16%	17%	17%	17%
20	6%	6%	6%	6%	6%	6%	10%	11%	11%	11%	12%	12%	12%	13%	14%	14%	14%	15%	14%	14%	15%	15%	16%	16%	15%	15%	16%	16%	16%	17%
25	5%	5%	5%	5%	5%	5%	8%	9%	9%	9%	10%	9%	11%	12%	12%	13%	13%	13%	13%	13%	14%	14%	15%	15%	14%	14%	15%	15%	16%	16%
30	4%	4%	4%	4%	4%	4%	7%	8%	8%	8%	8%	8%	10%	10%	11%	11%	11%	12%	12%	12%	13%	13%	14%	14%	13%	13%	14%	14%	15%	15%
35	3%	3%	3%	3%	3%	3%	6%	6%	7%	7%	7%	7%	8%	9%	10%	10%	10%	10%	10%	11%	12%	12%	13%	13%	12%	13%	13%	14%	14%	14%
40	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	8%	8%	8%	9%	9%	9%	9%	10%	11%	11%	11%	11%	11%	12%	12%	13%	13%	13%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : Mayotte
Orientation : NORD-EST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
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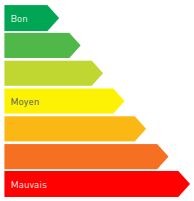
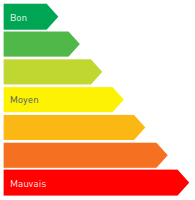
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%
10	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	92%	93%	93%	93%	92%	92%	92%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%
15	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	93%	93%	92%	92%	92%	92%
20	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%
25	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
30	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%
35	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	94%	94%	93%	93%	93%	93%
40	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	15%	16%	16%	17%	17%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	19%
10	10%	11%	11%	11%	12%	12%	14%	14%	15%	16%	16%	17%	15%	16%	17%	17%	17%	18%	16%	17%	17%	18%	18%	18%	17%	17%	18%	18%	18%	18%
15	7%	8%	8%	8%	8%	8%	11%	12%	13%	13%	14%	14%	13%	14%	15%	16%	16%	17%	15%	15%	16%	17%	17%	17%	15%	16%	17%	17%	18%	18%
20	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	12%	12%	13%	14%	14%	15%	13%	14%	15%	15%	16%	17%	14%	15%	16%	16%	17%	17%
25	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	13%	14%	15%	15%	13%	14%	15%	15%	16%	17%
30	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	10%	10%	11%	11%	11%	11%	11%	12%	13%	13%	14%	12%	13%	14%	14%	15%	15%
35	3%	3%	3%	3%	3%	3%	6%	6%	6%	7%	7%	7%	8%	8%	9%	9%	10%	10%	10%	10%	11%	12%	12%	12%	11%	12%	13%	13%	14%	14%
40	3%	3%	3%	3%	3%	2%	5%	5%	6%	6%	6%	6%	7%	8%	8%	8%	9%	9%	9%	9%	10%	11%	11%	11%	10%	11%	12%	12%	13%	13%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

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	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
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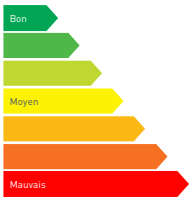
Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%
10	90%	90%	90%	90%	90%	89%	89%	89%	88%	88%	88%	87%	88%	88%	87%	87%	87%	87%	87%	87%	87%	87%	86%	86%	87%	87%	87%	87%	86%	86%
15	91%	91%	91%	91%	91%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	88%	88%	87%	88%	88%	88%	88%	87%	87%	88%	88%	87%	87%	87%	86%
20	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	89%	89%	88%	88%	87%	87%
25	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	88%	89%	89%	89%	88%	88%	88%
30	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	88%
35	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	90%	90%	90%	89%	89%	89%
40	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%



CECC

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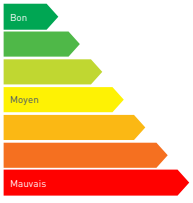
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	14%	15%	16%	16%	17%	17%	16%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	19%	18%	18%	18%	18%	19%	19%
10	10%	10%	11%	11%	11%	11%	13%	14%	15%	16%	16%	17%	15%	16%	17%	17%	17%	18%	16%	17%	17%	18%	18%	18%	17%	17%	18%	18%	18%	18%
15	7%	8%	8%	8%	8%	8%	11%	12%	12%	13%	13%	14%	13%	14%	15%	15%	16%	17%	14%	15%	16%	17%	17%	18%	15%	16%	17%	17%	18%	18%
20	5%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	11%	12%	13%	14%	14%	15%	13%	14%	15%	15%	16%	17%	14%	15%	16%	16%	17%	17%
25	4%	5%	5%	5%	5%	4%	7%	8%	8%	9%	9%	9%	10%	10%	11%	12%	12%	13%	11%	12%	13%	14%	15%	15%	13%	14%	15%	15%	16%	16%
30	4%	4%	4%	4%	4%	4%	6%	7%	7%	7%	8%	8%	8%	9%	10%	10%	11%	11%	10%	11%	12%	13%	13%	14%	12%	13%	13%	14%	15%	15%
35	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	7%	8%	9%	9%	9%	9%	9%	10%	11%	11%	12%	12%	11%	11%	12%	13%	14%	14%
40	2%	3%	3%	3%	3%	2%	5%	5%	5%	5%	6%	5%	7%	7%	8%	8%	8%	8%	8%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

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	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
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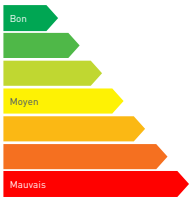
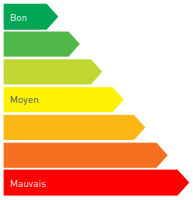
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	85%	85%	84%	84%	83%	83%	82%	82%	82%	82%	81%	80%	81%	81%	81%	81%	80%	80%	81%	81%	80%	80%	80%	80%	80%	81%	80%	80%	80%	80%
10	88%	88%	88%	87%	87%	87%	86%	86%	85%	85%	84%	83%	84%	84%	83%	83%	82%	81%	83%	83%	82%	82%	81%	81%	82%	82%	82%	81%	81%	80%
15	89%	89%	89%	89%	88%	88%	87%	87%	87%	87%	86%	86%	86%	86%	86%	85%	85%	83%	85%	85%	84%	84%	83%	82%	84%	84%	83%	83%	82%	81%
20	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	87%	87%	87%	87%	86%	86%	86%	86%	86%	86%	85%	85%	84%	85%	85%	85%	84%	83%	82%
25	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	87%	87%	87%	87%	87%	87%	86%	86%	85%	86%	86%	86%	85%	85%	84%
30	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	87%	87%	87%	86%	87%	87%	87%	86%	86%	85%
35	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	87%	87%	88%	88%	87%	87%	86%	86%
40	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	87%	87%	87%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	12%	13%	13%	14%	14%	15%	14%	15%	15%	15%	16%	16%	15%	15%	16%	16%	16%	16%	15%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
10	9%	9%	9%	10%	10%	10%	12%	12%	13%	13%	14%	14%	13%	14%	14%	15%	15%	15%	14%	14%	15%	15%	15%	16%	14%	15%	15%	15%	16%	16%
15	6%	7%	7%	7%	7%	7%	9%	10%	10%	11%	11%	12%	11%	12%	12%	13%	14%	14%	12%	13%	14%	14%	15%	15%	13%	14%	14%	15%	15%	15%
20	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	14%	12%	13%	13%	14%	14%	15%
25	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	9%	10%	10%	10%	11%	10%	11%	11%	12%	12%	13%	11%	12%	12%	13%	13%	14%
30	3%	3%	3%	3%	3%	3%	6%	6%	6%	6%	6%	6%	8%	8%	8%	9%	9%	9%	9%	9%	10%	11%	11%	11%	10%	11%	11%	12%	12%	13%
35	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	6%	6%	7%	7%	7%	8%	8%	8%	8%	9%	9%	10%	10%	10%	9%	10%	10%	11%	11%	12%
40	2%	2%	2%	2%	2%	2%	4%	5%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	7%	8%	8%	9%	9%	9%	8%	9%	10%	10%	10%	11%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

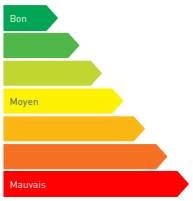
Météo : Mayotte
Orientation : SUD
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

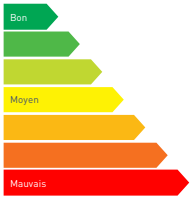
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	75%	75%	75%	74%	74%	73%	72%	72%	71%	71%	71%	70%	71%	71%	71%	70%	70%	69%	70%	71%	70%	70%	69%	69%	69%	71%	69%	70%	69%	69%
10	80%	80%	80%	80%	79%	79%	77%	77%	76%	76%	75%	74%	74%	74%	74%	73%	72%	71%	73%	73%	72%	72%	71%	70%	72%	72%	72%	71%	71%	70%
15	82%	82%	82%	82%	82%	82%	79%	79%	79%	79%	78%	78%	77%	77%	77%	76%	75%	74%	76%	76%	75%	74%	73%	72%	74%	74%	73%	73%	72%	71%
20	83%	83%	83%	83%	83%	83%	81%	81%	81%	80%	80%	80%	79%	79%	79%	78%	78%	77%	78%	78%	77%	77%	76%	74%	77%	76%	76%	75%	73%	72%
25	83%	83%	83%	83%	83%	83%	82%	82%	82%	82%	81%	81%	80%	80%	80%	80%	79%	79%	79%	79%	78%	78%	77%	77%	78%	78%	77%	77%	76%	74%
30	84%	84%	84%	84%	84%	84%	83%	83%	82%	82%	82%	82%	81%	81%	81%	81%	80%	80%	80%	80%	80%	79%	79%	78%	79%	79%	78%	78%	77%	76%
35	84%	84%	84%	84%	84%	84%	83%	83%	83%	83%	83%	83%	82%	82%	82%	82%	81%	81%	81%	81%	80%	80%	80%	79%	80%	80%	79%	79%	78%	78%
40	84%	84%	84%	84%	84%	84%	83%	83%	83%	83%	83%	83%	83%	82%	82%	82%	82%	82%	82%	81%	81%	81%	81%	80%	80%	80%	80%	80%	79%	79%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	10%	11%	11%	11%	12%	12%	12%	12%	13%	13%	13%	13%	13%	13%	13%	13%	14%	14%	13%	13%	13%	14%	14%	14%	13%	14%	14%	14%	14%	14%
10	7%	7%	8%	8%	8%	8%	10%	10%	10%	11%	11%	12%	11%	11%	12%	12%	12%	13%	12%	12%	12%	13%	13%	13%	12%	12%	13%	13%	13%	14%
15	5%	6%	6%	6%	6%	6%	8%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	12%	10%	11%	11%	12%	12%	13%	11%	11%	12%	12%	13%	13%
20	4%	4%	4%	4%	4%	4%	6%	7%	7%	7%	7%	8%	8%	8%	9%	9%	9%	10%	9%	9%	10%	10%	11%	11%	10%	10%	11%	11%	12%	12%
25	3%	4%	4%	4%	3%	3%	5%	6%	6%	6%	6%	6%	7%	7%	8%	8%	8%	8%	8%	8%	9%	9%	10%	10%	9%	9%	10%	10%	11%	11%
30	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	7%	8%	8%	8%	9%	9%	8%	9%	9%	9%	10%	10%
35	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	5%	5%	6%	6%	6%	6%	6%	6%	7%	7%	7%	7%	8%	8%	8%	8%	8%	9%	9%	9%
40	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	4%	4%	5%	5%	5%	5%	6%	6%	6%	6%	6%	7%	7%	7%	7%	7%	8%	8%	8%	9%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : Mayotte
Orientation : SUD-OUEST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	86%	86%	85%	85%	84%	83%	82%	83%	82%	81%	81%	81%	81%	81%	81%	81%	80%	80%	81%	81%	81%	81%	80%	80%	80%	81%	80%	81%	80%	80%
10	89%	89%	89%	88%	88%	88%	87%	87%	86%	86%	85%	84%	85%	85%	84%	83%	82%	81%	83%	84%	82%	82%	81%	81%	82%	82%	82%	81%	81%	81%
15	90%	90%	90%	90%	89%	89%	88%	88%	88%	88%	87%	87%	87%	87%	87%	86%	85%	84%	86%	86%	85%	85%	83%	82%	85%	85%	84%	83%	82%	81%
20	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	87%	86%	87%	87%	87%	86%	85%	85%	86%	86%	85%	85%	84%	83%
25	91%	91%	91%	91%	91%	91%	90%	90%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	88%	88%	88%	87%	87%	86%	88%	87%	87%	86%	85%	85%
30	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%	87%	88%	88%	88%	87%	87%	86%
35	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	87%
40	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	88%	88%	88%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	13%	13%	14%	14%	14%	15%	15%	15%	15%	16%	16%	16%	15%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	17%	16%	16%	16%	16%	17%	17%
10	9%	9%	9%	10%	10%	10%	12%	12%	13%	14%	14%	15%	13%	14%	14%	15%	15%	16%	14%	15%	15%	16%	16%	16%	15%	15%	16%	16%	16%	16%
15	6%	7%	7%	7%	7%	7%	10%	10%	11%	11%	12%	12%	12%	12%	13%	13%	14%	14%	13%	13%	14%	14%	15%	15%	13%	14%	15%	15%	15%	16%
20	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	10%	10%	11%	11%	12%	12%	13%	11%	12%	13%	13%	14%	14%	12%	13%	14%	14%	15%	15%
25	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%	11%	12%	13%	13%	14%	14%
30	3%	3%	3%	3%	3%	3%	6%	6%	6%	6%	6%	6%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	11%	12%	10%	11%	12%	12%	13%	13%
35	3%	3%	3%	3%	3%	3%	5%	5%	5%	6%	6%	6%	7%	7%	8%	8%	8%	8%	8%	9%	9%	10%	10%	10%	9%	10%	11%	11%	12%	12%
40	2%	2%	2%	2%	2%	2%	4%	4%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	7%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	11%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

OUEST

PROTEC SOLAME | Générateur d'abaque | OMBREE CIRBAT

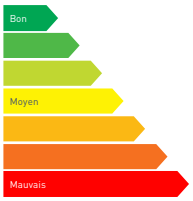
Météo : Mayotte
Orientation : OUEST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

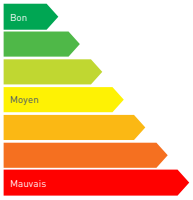
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	89%	89%	89%	89%	88%	88%	88%	88%	88%	87%	88%	88%	88%	88%	87%	87%	88%	88%	88%	88%	87%	87%	87%	88%	87%	87%	87%	87%
10	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	88%	88%	89%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	87%
15	92%	92%	92%	92%	92%	92%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	90%	90%	89%	89%	89%	88%	89%	89%	89%	89%	88%	88%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	90%	90%	90%	89%	89%	88%
25	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	90%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%
30	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%
35	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%
40	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	14%	15%	16%	16%	17%	17%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	19%	19%	18%	18%	18%	19%	19%	19%	18%	18%	19%	19%	19%	19%
10	10%	10%	11%	11%	11%	11%	13%	14%	15%	16%	16%	17%	15%	16%	17%	17%	18%	18%	16%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%
15	7%	7%	8%	8%	8%	8%	11%	12%	12%	13%	13%	14%	13%	14%	15%	16%	16%	17%	14%	15%	16%	17%	17%	18%	15%	16%	17%	18%	18%	18%
20	5%	6%	6%	6%	6%	6%	9%	9%	10%	11%	11%	11%	11%	12%	13%	14%	14%	15%	13%	14%	15%	16%	16%	17%	14%	15%	16%	17%	17%	18%
25	4%	4%	5%	5%	5%	4%	7%	8%	8%	9%	9%	9%	10%	10%	11%	12%	12%	13%	11%	12%	13%	14%	15%	15%	13%	14%	15%	15%	16%	17%
30	3%	4%	4%	4%	4%	3%	6%	7%	7%	7%	7%	7%	8%	9%	10%	10%	11%	11%	10%	11%	12%	13%	13%	14%	11%	12%	13%	14%	15%	16%
35	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	7%	8%	9%	9%	9%	9%	9%	10%	11%	11%	12%	12%	10%	11%	12%	13%	14%	14%
40	2%	2%	2%	2%	2%	2%	5%	5%	5%	5%	5%	5%	6%	7%	8%	8%	8%	8%	8%	9%	10%	10%	11%	11%	9%	10%	11%	12%	13%	13%



by B MALET-DAMOUR & G RIVIERE

Confort visuel

Occultation à 25%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

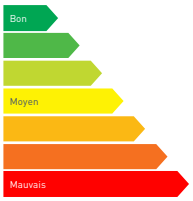
Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 25 %
Critère à privilégier : Confort visuel

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

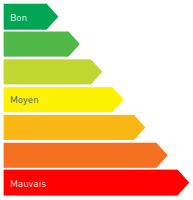
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	93%	93%	93%	93%	92%	92%	92%	93%	92%	92%	92%	92%
10	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%
15	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
20	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	94%	94%	93%	93%	93%	93%
25	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%
30	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%
35	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
40	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	15%	16%	16%	17%	17%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	19%	18%	18%	18%	18%	19%	19%	18%	18%	19%	19%	19%	19%
10	10%	11%	11%	11%	12%	12%	14%	15%	15%	16%	17%	17%	15%	16%	17%	17%	18%	18%	16%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%
15	7%	8%	8%	8%	8%	8%	11%	12%	13%	13%	14%	14%	13%	14%	15%	16%	16%	17%	15%	16%	16%	17%	17%	18%	16%	16%	17%	17%	18%	18%
20	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	12%	12%	13%	14%	15%	15%	13%	14%	15%	16%	16%	17%	14%	15%	16%	17%	17%	18%
25	4%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	14%	14%	15%	15%	13%	14%	15%	16%	16%	17%
30	4%	4%	4%	4%	4%	4%	6%	7%	7%	8%	8%	8%	9%	10%	10%	11%	11%	11%	11%	11%	12%	13%	14%	14%	12%	13%	14%	15%	15%	16%
35	3%	3%	3%	3%	3%	3%	6%	6%	6%	7%	7%	7%	8%	8%	9%	9%	10%	10%	9%	10%	11%	12%	12%	12%	11%	12%	13%	13%	14%	14%
40	2%	3%	3%	3%	3%	2%	5%	5%	6%	6%	6%	6%	7%	7%	8%	8%	9%	9%	9%	9%	10%	11%	11%	11%	10%	11%	12%	12%	13%	13%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

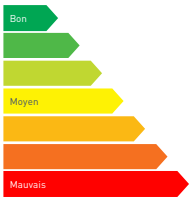
Météo : Mayotte
Orientation : NORD
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,28	0,25	0,23	0,20	0,17		0,16																							
10	0,49	0,48	0,46	0,45	0,44	0,43	0,33	0,30	0,27	0,23	0,20	0,16	0,24	0,21	0,17				0,19	0,15					0,16					
15	0,62	0,61	0,60	0,59	0,59	0,59	0,46	0,43	0,41	0,38	0,35	0,33	0,35	0,32	0,29	0,25	0,21	0,17	0,29	0,25	0,21	0,18			0,24	0,20	0,16			
20	0,69	0,68	0,68	0,68	0,68	0,68	0,55	0,53	0,51	0,49	0,47	0,46	0,44	0,41	0,38	0,35	0,32	0,29	0,37	0,33	0,30	0,26	0,22	0,18	0,31	0,27	0,24	0,20	0,16	
25							0,61	0,60	0,58	0,57	0,56	0,55	0,51	0,49	0,46	0,44	0,41	0,39	0,44	0,41	0,37	0,34	0,30	0,27	0,38	0,34	0,30	0,27	0,23	0,18
30							0,66	0,65	0,64	0,63	0,62	0,61	0,57	0,55	0,53	0,51	0,49	0,47	0,49	0,47	0,44	0,41	0,38	0,35	0,43	0,40	0,37	0,33	0,29	0,25
35								0,69	0,68	0,67	0,67	0,66	0,61	0,60	0,58	0,56	0,55	0,53	0,54	0,52	0,49	0,46	0,44	0,42	0,48	0,45	0,42	0,39	0,35	0,32
40													0,65	0,63	0,62	0,60	0,59	0,58	0,58	0,56	0,54	0,51	0,49	0,48	0,52	0,49	0,47	0,44	0,41	0,38

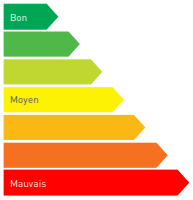
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	33%	32%	31%	30%	29%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	41%	40%	39%	39%	39%	39%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	49%	48%	47%	46%	46%	47%	25%	21%	16%	12%	7%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	52%	52%	51%	51%	51%	51%	34%	33%	30%	28%	27%	26%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	55%	54%	54%	54%	54%	54%	39%	37%	36%	35%	34%	34%	21%	16%	6%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	56%	57%	58%	59%	60%	61%	61%	62%	63%	63%	64%	64%	62%	63%	64%	64%	65%	65%	63%	64%	64%	65%	65%	65%	64%	65%	65%	65%	65%	65%
10	42%	44%	45%	46%	47%	47%	54%	55%	56%	58%	59%	60%	57%	59%	60%	61%	62%	63%	59%	61%	62%	63%	63%	64%	61%	62%	63%	63%	64%	65%
15	33%	34%	34%	35%	34%	34%	46%	49%	50%	51%	53%	54%	53%	54%	56%	57%	59%	60%	56%	57%	59%	60%	61%	62%	58%	59%	61%	62%	62%	63%
20	26%	27%	27%	27%	27%	26%	40%	42%	43%	44%	45%	45%	48%	50%	51%	53%	54%	55%	52%	54%	55%	57%	58%	60%	55%	56%	58%	59%	61%	62%
25	22%	22%	22%	22%	22%	21%	34%	36%	37%	38%	38%	38%	43%	45%	47%	49%	50%	51%	49%	50%	52%	54%	55%	56%	52%	53%	55%	57%	58%	60%
30	18%	19%	19%	19%	18%	18%	30%	31%	32%	33%	33%	33%	38%	41%	42%	44%	45%	45%	45%	47%	49%	50%	52%	53%	49%	51%	52%	54%	55%	57%
35	16%	16%	16%	16%	16%	15%	26%	28%	28%	29%	29%	28%	35%	37%	38%	39%	40%	40%	41%	44%	45%	47%	48%	49%	46%	48%	50%	51%	53%	54%
40	14%	14%	14%	14%	14%	13%	23%	25%	25%	26%	26%	25%	31%	33%	35%	35%	36%	36%	38%	40%	42%	43%	44%	45%	43%	45%	47%	49%	50%	51%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

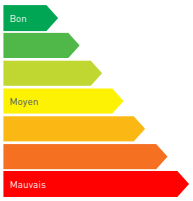
Météo : Mayotte
Orientation : NORD-EST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,24	0,21	0,19	0,16																										
10	0,45	0,43	0,41	0,39	0,38	0,38	0,29	0,26	0,22	0,19	0,16		0,21	0,17					0,17											
15	0,58	0,56	0,55	0,55	0,54	0,55	0,41	0,38	0,35	0,32	0,30	0,28	0,31	0,27	0,24	0,20	0,17		0,25	0,21	0,17				0,21	0,17				
20	0,66	0,65	0,64	0,64	0,64	0,65	0,50	0,47	0,45	0,43	0,41	0,40	0,40	0,36	0,33	0,30	0,27	0,24	0,32	0,28	0,25	0,21	0,18		0,27	0,23	0,19	0,16		
25							0,57	0,55	0,53	0,51	0,50	0,50	0,46	0,43	0,40	0,38	0,35	0,33	0,39	0,35	0,32	0,28	0,25	0,22	0,33	0,29	0,25	0,21	0,18	
30							0,62	0,60	0,59	0,58	0,57	0,57	0,52	0,49	0,47	0,44	0,42	0,41	0,44	0,41	0,38	0,34	0,32	0,29	0,38	0,34	0,31	0,27	0,24	0,20
35							0,67	0,65	0,64	0,63	0,62	0,62	0,57	0,54	0,52	0,50	0,49	0,48	0,49	0,46	0,43	0,40	0,38	0,36	0,43	0,39	0,36	0,32	0,29	0,27
40							0,70	0,68	0,67	0,67	0,66	0,67	0,61	0,58	0,56	0,55	0,54	0,53	0,53	0,50	0,47	0,45	0,43	0,42	0,47	0,43	0,40	0,37	0,35	0,32

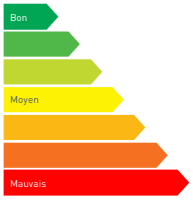
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	10%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	30%	28%	26%	25%	24%	25%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	39%	39%	38%	38%	38%	38%	18%	14%	8%	3%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	45%	45%	44%	44%	44%	44%	28%	25%	22%	19%	17%	16%	12%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	51%	50%	50%	50%	50%	50%	36%	35%	32%	31%	30%	29%	21%	16%	11%	5%	3%	2%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	54%	54%	53%	53%	53%	54%	40%	39%	38%	37%	36%	36%	28%	25%	20%	17%	14%	13%	16%	11%	1%	0%	0%	0%	3%	0%	0%	0%	0%	0%
40	56%	56%	55%	55%	55%	56%	44%	43%	42%	41%	41%	40%	34%	31%	29%	25%	23%	22%	22%	18%	12%	7%	3%	2%	13%	3%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	55%	57%	58%	59%	61%	62%	61%	62%	63%	64%	64%	65%	63%	64%	64%	65%	65%	66%	64%	65%	65%	65%	66%	66%	64%	65%	65%	66%	66%	66%
10	41%	43%	44%	45%	46%	46%	52%	55%	56%	58%	60%	61%	57%	59%	61%	62%	63%	64%	60%	61%	62%	63%	64%	65%	61%	63%	63%	64%	65%	65%
15	31%	33%	33%	34%	34%	33%	44%	47%	49%	50%	52%	53%	51%	54%	56%	57%	59%	61%	55%	57%	59%	61%	62%	63%	57%	59%	61%	62%	63%	64%
20	25%	26%	26%	27%	26%	26%	38%	40%	42%	43%	44%	45%	46%	48%	50%	52%	54%	55%	51%	53%	55%	57%	59%	60%	54%	56%	58%	60%	61%	62%
25	21%	21%	22%	22%	21%	21%	32%	34%	36%	37%	37%	38%	41%	43%	45%	47%	49%	50%	46%	49%	51%	53%	55%	57%	50%	53%	55%	57%	59%	60%
30	18%	18%	18%	18%	18%	17%	28%	30%	31%	32%	32%	32%	36%	39%	41%	42%	43%	44%	42%	45%	47%	49%	51%	52%	47%	49%	52%	54%	56%	57%
35	15%	16%	16%	16%	15%	15%	25%	26%	27%	28%	28%	28%	33%	35%	37%	38%	39%	39%	39%	41%	44%	45%	47%	48%	43%	46%	49%	51%	52%	54%
40	13%	14%	14%	14%	13%	13%	22%	23%	24%	25%	25%	25%	30%	32%	33%	34%	35%	35%	36%	38%	40%	42%	43%	44%	40%	43%	45%	47%	49%	50%



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EST

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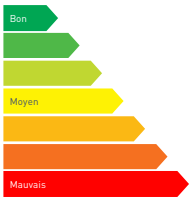
Météo : Mayotte
Orientation : EST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,24	0,20	0,17																											
10	0,46	0,43	0,41	0,39	0,38	0,37	0,28	0,24	0,21	0,17			0,20	0,16					0,16											
15	0,59	0,57	0,56	0,55	0,55	0,55	0,41	0,37	0,34	0,31	0,28	0,26	0,31	0,26	0,22	0,18			0,24	0,19	0,15				0,20	0,15				
20	0,67	0,66	0,65	0,65	0,65	0,65	0,51	0,48	0,45	0,42	0,41	0,40	0,39	0,35	0,31	0,28	0,25	0,22	0,32	0,27	0,23	0,19	0,15		0,26	0,21	0,17			
25							0,58	0,55	0,53	0,51	0,50	0,50	0,47	0,43	0,39	0,36	0,34	0,32	0,38	0,34	0,30	0,26	0,23	0,20	0,32	0,27	0,23	0,19	0,16	
30							0,63	0,61	0,59	0,58	0,57	0,57	0,53	0,49	0,46	0,44	0,42	0,40	0,44	0,40	0,36	0,33	0,30	0,27	0,38	0,33	0,29	0,25	0,22	0,18
35							0,68	0,66	0,64	0,63	0,63	0,63	0,58	0,54	0,52	0,50	0,48	0,47	0,49	0,45	0,42	0,39	0,36	0,35	0,43	0,38	0,34	0,31	0,27	0,25
40								0,69	0,68	0,67	0,67	0,67	0,62	0,59	0,57	0,55	0,54	0,53	0,54	0,50	0,47	0,44	0,42	0,41	0,47	0,43	0,39	0,36	0,33	0,31

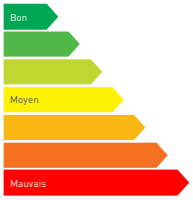
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	9%	8%	6%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	30%	28%	25%	23%	21%	21%	10%	9%	7%	1%	0%	0%	7%	2%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
15	40%	39%	39%	38%	38%	38%	26%	20%	14%	10%	9%	8%	11%	9%	8%	1%	0%	0%	8%	4%	0%	0%	0%	0%	6%	1%	0%	0%	0%	0%
20	46%	46%	46%	45%	45%	45%	34%	32%	29%	27%	24%	23%	24%	16%	10%	9%	8%	7%	13%	9%	8%	2%	0%	0%	9%	6%	1%	0%	0%	0%
25	51%	50%	50%	50%	50%	50%	39%	38%	36%	35%	34%	34%	31%	28%	22%	16%	14%	12%	23%	15%	9%	9%	7%	5%	13%	9%	8%	2%	0%	0%
30	54%	54%	54%	54%	54%	54%	44%	43%	43%	42%	40%	40%	36%	34%	30%	28%	25%	23%	29%	25%	16%	12%	9%	8%	21%	13%	9%	8%	7%	3%
35	57%	57%	57%	57%	57%	57%	47%	46%	45%	45%	45%	45%	39%	38%	36%	34%	32%	31%	34%	30%	26%	21%	16%	14%	28%	22%	14%	9%	8%	8%
40	60%	60%	59%	59%	59%	60%	49%	49%	48%	48%	47%	47%	44%	42%	40%	39%	38%	37%	37%	35%	31%	28%	26%	24%	32%	28%	21%	15%	12%	10%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	53%	55%	56%	58%	59%	60%	59%	61%	62%	63%	63%	64%	61%	63%	63%	63%	64%	64%	62%	63%	64%	64%	64%	65%	63%	64%	64%	64%	65%	65%
10	39%	41%	42%	43%	44%	44%	50%	53%	55%	56%	58%	59%	55%	57%	59%	60%	61%	62%	58%	60%	61%	62%	63%	63%	60%	61%	62%	63%	63%	64%
15	30%	31%	32%	32%	32%	32%	42%	45%	47%	48%	50%	51%	49%	52%	54%	56%	57%	59%	53%	56%	58%	59%	60%	62%	56%	58%	60%	61%	62%	63%
20	24%	25%	25%	25%	25%	25%	35%	38%	40%	41%	42%	43%	43%	46%	48%	50%	52%	54%	48%	51%	53%	55%	57%	59%	52%	54%	56%	58%	60%	61%
25	20%	20%	21%	21%	21%	20%	30%	32%	34%	35%	36%	36%	38%	41%	43%	45%	47%	48%	44%	47%	49%	51%	53%	55%	48%	51%	53%	55%	57%	59%
30	17%	17%	18%	18%	17%	17%	27%	28%	29%	30%	31%	31%	34%	37%	39%	40%	41%	42%	40%	43%	45%	47%	49%	50%	44%	47%	50%	52%	54%	55%
35	15%	15%	15%	15%	15%	14%	23%	25%	26%	27%	27%	27%	31%	33%	35%	36%	37%	37%	37%	39%	41%	43%	45%	46%	41%	44%	46%	49%	50%	52%
40	13%	13%	13%	13%	13%	13%	21%	22%	23%	24%	24%	24%	28%	30%	31%	33%	33%	33%	33%	36%	38%	40%	41%	42%	38%	41%	43%	45%	47%	48%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

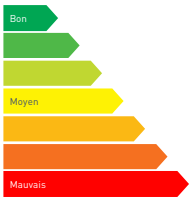
Météo : Mayotte
Orientation : SUD-EST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,24	0,21	0,18	0,15																										
10	0,45	0,43	0,41	0,39	0,38	0,38	0,29	0,25	0,22	0,18	0,15		0,21	0,17					0,16											
15	0,58	0,57	0,56	0,55	0,55	0,55	0,41	0,38	0,35	0,32	0,29	0,27	0,31	0,27	0,23	0,19	0,16		0,25	0,20	0,16				0,20	0,16				
20	0,66	0,65	0,65	0,64	0,64	0,65	0,50	0,48	0,45	0,43	0,41	0,40	0,40	0,36	0,32	0,29	0,26	0,23	0,32	0,28	0,24	0,20	0,17		0,27	0,23	0,18			
25							0,57	0,55	0,53	0,51	0,50	0,50	0,47	0,43	0,40	0,37	0,35	0,33	0,39	0,35	0,31	0,27	0,24	0,21	0,33	0,28	0,24	0,21	0,17	
30							0,63	0,61	0,59	0,58	0,57	0,57	0,52	0,49	0,46	0,44	0,42	0,41	0,44	0,41	0,37	0,34	0,31	0,28	0,38	0,34	0,30	0,26	0,23	0,20
35							0,67	0,65	0,64	0,63	0,62	0,63	0,57	0,54	0,52	0,50	0,49	0,48	0,49	0,46	0,43	0,40	0,37	0,35	0,43	0,39	0,35	0,32	0,29	0,26
40								0,69	0,68	0,67	0,67	0,67	0,61	0,59	0,57	0,55	0,54	0,53	0,53	0,50	0,47	0,45	0,43	0,41	0,47	0,43	0,40	0,37	0,34	0,32

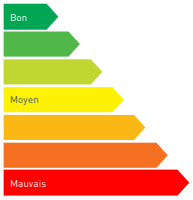
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	4%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	21%	16%	11%	9%	8%	7%	4%	3%	1%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	35%	34%	33%	32%	31%	31%	13%	5%	4%	4%	3%	3%	4%	3%	2%	0%	0%	0%	3%	1%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
20	43%	43%	42%	42%	42%	42%	27%	23%	19%	13%	10%	9%	9%	4%	4%	3%	3%	2%	4%	3%	2%	0%	0%	0%	3%	2%	0%	0%	0%	0%
25	50%	50%	49%	49%	49%	49%	34%	32%	30%	28%	26%	25%	22%	16%	7%	4%	4%	4%	6%	4%	4%	3%	2%	0%	4%	4%	2%	0%	0%	0%
30	55%	54%	54%	54%	54%	55%	40%	39%	38%	37%	35%	35%	29%	25%	21%	16%	11%	9%	20%	9%	4%	4%	3%	3%	6%	4%	3%	3%	1%	0%
35	59%	58%	58%	58%	58%	58%	45%	44%	42%	42%	41%	40%	34%	32%	29%	26%	23%	22%	25%	21%	12%	7%	4%	4%	17%	5%	4%	4%	3%	2%
40	60%	60%	60%	60%	60%	60%	48%	48%	46%	46%	45%	45%	39%	38%	34%	33%	30%	30%	30%	27%	22%	18%	12%	9%	23%	16%	5%	4%	4%	3%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	46%	47%	48%	50%	51%	52%	52%	53%	54%	55%	55%	56%	54%	55%	55%	56%	56%	57%	55%	56%	56%	56%	57%	57%	55%	56%	56%	57%	57%	57%
10	34%	35%	36%	37%	37%	37%	43%	45%	47%	48%	50%	51%	48%	49%	51%	52%	53%	54%	50%	52%	53%	54%	55%	56%	52%	53%	54%	55%	55%	56%
15	26%	27%	28%	28%	28%	28%	36%	38%	39%	41%	42%	43%	42%	44%	46%	47%	49%	51%	46%	48%	49%	51%	52%	53%	48%	50%	51%	52%	54%	55%
20	21%	22%	22%	22%	22%	22%	31%	32%	34%	35%	35%	36%	37%	39%	41%	42%	44%	45%	42%	44%	45%	47%	49%	50%	45%	46%	48%	50%	51%	53%
25	18%	18%	19%	19%	18%	18%	27%	28%	29%	30%	30%	31%	33%	35%	36%	38%	39%	40%	38%	40%	41%	43%	45%	46%	41%	43%	45%	47%	48%	50%
30	15%	16%	16%	16%	16%	15%	24%	25%	25%	26%	26%	26%	30%	31%	33%	34%	35%	35%	35%	36%	38%	40%	41%	42%	38%	40%	42%	44%	45%	47%
35	13%	14%	14%	14%	14%	13%	21%	22%	23%	23%	23%	23%	27%	28%	30%	30%	31%	32%	32%	33%	35%	36%	37%	38%	35%	37%	39%	41%	42%	44%
40	12%	12%	12%	12%	12%	12%	19%	20%	20%	21%	21%	21%	25%	26%	27%	28%	28%	28%	29%	31%	32%	33%	34%	35%	33%	35%	36%	38%	39%	40%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

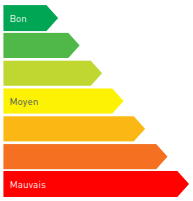
Météo : Mayotte
Orientation : SUD
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,27	0,24	0,21	0,19	0,16		0,15																							
10	0,48	0,46	0,45	0,43	0,42	0,41	0,32	0,29	0,26	0,22	0,19	0,15	0,24	0,20	0,16				0,18						0,15					
15	0,60	0,59	0,58	0,57	0,57	0,57	0,45	0,42	0,39	0,36	0,34	0,31	0,34	0,31	0,27	0,24	0,20	0,16	0,28	0,24	0,20	0,16			0,23	0,19	0,15			
20	0,68	0,67	0,66	0,66	0,66	0,66	0,53	0,51	0,49	0,47	0,45	0,44	0,43	0,40	0,37	0,34	0,30	0,27	0,36	0,32	0,28	0,25	0,21	0,17	0,30	0,26	0,22	0,19		
25							0,60	0,58	0,57	0,55	0,54	0,53	0,50	0,47	0,45	0,42	0,40	0,37	0,42	0,39	0,36	0,32	0,29	0,25	0,37	0,33	0,29	0,25	0,21	0,17
30							0,65	0,63	0,62	0,61	0,60	0,60	0,56	0,53	0,51	0,49	0,47	0,45	0,48	0,45	0,42	0,39	0,36	0,33	0,42	0,39	0,35	0,31	0,28	0,24
35							0,69	0,67	0,66	0,65	0,65	0,65	0,60	0,58	0,56	0,54	0,53	0,52	0,53	0,50	0,47	0,45	0,42	0,40	0,47	0,44	0,40	0,37	0,34	0,31
40									0,70	0,69	0,69	0,69	0,64	0,62	0,60	0,59	0,57	0,57	0,57	0,54	0,52	0,50	0,48	0,46	0,51	0,48	0,45	0,42	0,39	0,36

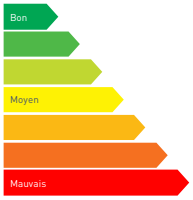
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	10%	8%	6%	6%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	42%	41%	40%	39%	39%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	52%	52%	51%	50%	50%	51%	9%	6%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	58%	57%	56%	56%	57%	57%	36%	33%	24%	16%	10%	9%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	61%	61%	61%	61%	61%	61%	44%	41%	39%	38%	37%	36%	9%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40	64%	64%	63%	63%	63%	64%	51%	47%	45%	44%	43%	43%	31%	22%	9%	7%	4%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	40%	41%	42%	43%	44%	45%	45%	46%	47%	48%	49%	50%	47%	48%	49%	49%	50%	51%	49%	49%	50%	50%	51%	51%	49%	50%	50%	51%	51%	51%
10	29%	30%	30%	31%	31%	32%	37%	38%	40%	41%	43%	44%	42%	43%	44%	45%	47%	48%	44%	45%	46%	47%	48%	49%	46%	47%	48%	48%	49%	50%
15	23%	23%	23%	24%	24%	24%	31%	32%	33%	34%	35%	36%	36%	37%	39%	40%	42%	44%	40%	41%	42%	44%	45%	47%	42%	43%	44%	46%	47%	48%
20	19%	19%	19%	19%	19%	19%	26%	27%	28%	29%	30%	30%	32%	33%	34%	35%	37%	38%	36%	37%	38%	40%	42%	43%	38%	40%	41%	43%	44%	46%
25	16%	16%	16%	16%	16%	16%	23%	24%	24%	25%	25%	26%	28%	29%	30%	31%	32%	33%	32%	33%	35%	36%	38%	39%	35%	37%	38%	40%	41%	43%
30	14%	14%	14%	14%	14%	13%	20%	21%	21%	22%	22%	22%	25%	26%	27%	28%	29%	29%	29%	30%	31%	33%	34%	35%	32%	34%	35%	36%	38%	40%
35	12%	12%	12%	12%	12%	11%	18%	19%	19%	19%	19%	19%	23%	24%	24%	25%	26%	26%	27%	28%	29%	30%	31%	32%	30%	31%	32%	34%	35%	37%
40	11%	11%	11%	11%	10%	10%	16%	17%	17%	17%	17%	17%	21%	22%	22%	23%	23%	24%	25%	26%	27%	27%	28%	29%	28%	29%	30%	31%	32%	34%



by B MALET-DAMOUR & G RIVIERE

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SUD-OUEST

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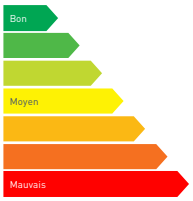
Orientation : SUD-OUEST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,24	0,20	0,17																											
10	0,46	0,43	0,41	0,39	0,38	0,37	0,29	0,24	0,21	0,17			0,20	0,16					0,16											
15	0,59	0,57	0,55	0,55	0,54	0,55	0,41	0,37	0,34	0,31	0,28	0,26	0,31	0,26	0,22	0,18			0,24	0,19	0,15				0,20					
20	0,67	0,65	0,65	0,64	0,64	0,65	0,51	0,47	0,45	0,42	0,40	0,39	0,40	0,35	0,31	0,28	0,25	0,22	0,32	0,27	0,23	0,19	0,15		0,27	0,21	0,17			
25							0,58	0,55	0,53	0,51	0,50	0,49	0,47	0,43	0,39	0,36	0,34	0,32	0,39	0,34	0,30	0,26	0,23	0,20	0,33	0,28	0,23	0,19	0,16	
30							0,63	0,61	0,59	0,58	0,57	0,57	0,53	0,49	0,46	0,43	0,42	0,40	0,44	0,40	0,36	0,33	0,30	0,27	0,38	0,33	0,29	0,25	0,22	0,18
35							0,67	0,65	0,64	0,63	0,62	0,62	0,57	0,54	0,52	0,49	0,48	0,47	0,49	0,45	0,42	0,39	0,36	0,34	0,43	0,38	0,34	0,31	0,27	0,25
40								0,69	0,68	0,67	0,66	0,67	0,61	0,59	0,56	0,54	0,53	0,53	0,54	0,50	0,47	0,44	0,42	0,41	0,47	0,43	0,39	0,36	0,33	0,31

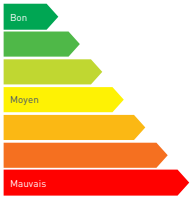
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	3%	3%	2%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	25%	22%	18%	14%	11%	11%	4%	3%	3%	1%	0%	0%	3%	1%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
15	41%	39%	38%	37%	36%	37%	18%	11%	7%	3%	3%	3%	5%	3%	3%	1%	0%	0%	3%	2%	0%	0%	0%	0%	3%	1%	0%	0%	0%	0%
20	49%	49%	48%	48%	47%	48%	32%	28%	23%	19%	16%	15%	15%	9%	3%	3%	3%	2%	6%	3%	3%	2%	0%	0%	3%	3%	1%	0%	0%	0%
25	56%	56%	55%	55%	55%	55%	40%	38%	35%	33%	31%	30%	27%	21%	12%	8%	5%	3%	13%	7%	3%	3%	2%	2%	6%	3%	3%	2%	0%	0%
30	61%	60%	60%	60%	60%	60%	45%	44%	42%	41%	40%	39%	34%	31%	26%	22%	18%	16%	24%	14%	9%	4%	3%	3%	13%	6%	3%	3%	2%	1%
35	63%	63%	63%	63%	63%	63%	51%	49%	48%	46%	45%	45%	40%	38%	33%	31%	28%	26%	31%	25%	17%	11%	8%	7%	22%	11%	6%	3%	3%	2%
40	65%	64%	64%	64%	64%	65%	54%	53%	52%	52%	51%	51%	43%	42%	39%	38%	36%	35%	36%	33%	27%	23%	19%	17%	28%	21%	11%	8%	4%	3%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	47%	48%	50%	51%	52%	53%	53%	54%	55%	56%	57%	57%	55%	56%	57%	57%	58%	58%	56%	57%	57%	58%	58%	58%	57%	58%	58%	58%	58%	59%
10	35%	36%	37%	38%	38%	38%	44%	46%	48%	49%	51%	53%	49%	51%	52%	54%	55%	56%	52%	53%	54%	55%	56%	57%	53%	55%	55%	56%	57%	58%
15	27%	28%	28%	29%	29%	28%	37%	39%	41%	42%	43%	44%	43%	45%	47%	49%	50%	52%	47%	49%	51%	52%	53%	55%	49%	51%	53%	54%	55%	56%
20	22%	22%	23%	23%	23%	22%	32%	33%	35%	36%	36%	37%	38%	40%	42%	44%	45%	47%	43%	45%	47%	48%	50%	52%	46%	48%	49%	51%	53%	54%
25	18%	18%	19%	19%	18%	18%	27%	29%	30%	31%	31%	31%	34%	36%	37%	39%	40%	41%	39%	41%	43%	44%	46%	48%	42%	44%	46%	48%	50%	52%
30	15%	16%	16%	16%	16%	15%	24%	25%	26%	27%	27%	27%	31%	32%	34%	35%	36%	36%	35%	37%	39%	41%	42%	44%	39%	41%	43%	45%	47%	48%
35	13%	14%	14%	14%	13%	13%	21%	22%	23%	24%	24%	24%	28%	29%	30%	31%	32%	32%	33%	34%	36%	37%	39%	40%	36%	38%	40%	42%	43%	45%
40	12%	12%	12%	12%	12%	11%	19%	20%	21%	21%	21%	21%	25%	26%	28%	28%	29%	29%	30%	32%	33%	34%	35%	36%	34%	36%	37%	39%	40%	42%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

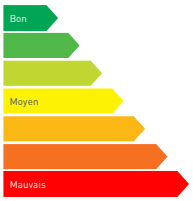
Météo : Mayotte
Orientation : OUEST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	0,24	0,20	0,17																											
10	0,46	0,43	0,41	0,39	0,38	0,37	0,29	0,24	0,20	0,16			0,20						0,15											
15	0,59	0,57	0,56	0,55	0,55	0,55	0,42	0,37	0,34	0,30	0,28	0,25	0,31	0,26	0,21	0,17			0,24	0,18					0,19					
20	0,68	0,66	0,65	0,65	0,65	0,65	0,51	0,48	0,45	0,42	0,40	0,39	0,40	0,35	0,31	0,27	0,24	0,21	0,32	0,26	0,22	0,18			0,26	0,21	0,16			
25							0,59	0,56	0,53	0,51	0,50	0,50	0,47	0,43	0,39	0,36	0,33	0,31	0,39	0,34	0,29	0,25	0,22	0,18	0,33	0,27	0,22	0,18		
30							0,64	0,61	0,59	0,58	0,57	0,57	0,53	0,50	0,46	0,43	0,41	0,40	0,45	0,40	0,36	0,32	0,29	0,27	0,38	0,33	0,28	0,24	0,20	0,17
35							0,68	0,66	0,64	0,63	0,63	0,63	0,58	0,55	0,52	0,50	0,48	0,47	0,50	0,46	0,42	0,39	0,36	0,34	0,43	0,38	0,34	0,30	0,26	0,24
40								0,70	0,68	0,67	0,67	0,67	0,62	0,59	0,57	0,55	0,53	0,53	0,54	0,50	0,47	0,44	0,42	0,41	0,48	0,43	0,39	0,35	0,32	0,30

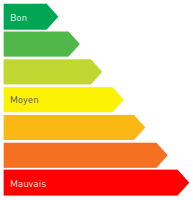
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	17%	15%	10%	8%	4%	0%	7%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	36%	33%	30%	29%	28%	28%	19%	16%	12%	9%	5%	0%	12%	7%	0%	0%	0%	0%	8%	1%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%
15	47%	46%	45%	45%	45%	45%	32%	28%	20%	18%	17%	15%	19%	16%	12%	9%	5%	0%	13%	9%	3%	0%	0%	0%	11%	5%	0%	0%	0%	0%
20	52%	51%	50%	50%	50%	50%	40%	38%	35%	32%	29%	28%	30%	22%	18%	16%	15%	13%	20%	17%	12%	9%	5%	0%	15%	12%	6%	0%	0%	0%
25	56%	56%	56%	56%	55%	56%	46%	45%	44%	42%	40%	40%	37%	34%	29%	24%	20%	18%	29%	20%	18%	15%	13%	11%	20%	17%	12%	9%	5%	0%
30	61%	60%	60%	60%	60%	60%	49%	48%	47%	47%	47%	47%	43%	40%	36%	34%	30%	28%	35%	30%	24%	18%	17%	16%	28%	19%	17%	15%	11%	9%
35	63%	63%	63%	63%	63%	63%	52%	51%	50%	50%	49%	49%	46%	45%	42%	40%	38%	38%	40%	36%	32%	28%	24%	22%	34%	28%	19%	18%	15%	14%
40	65%	64%	64%	64%	64%	65%	55%	55%	54%	53%	52%	52%	48%	47%	47%	45%	44%	44%	43%	41%	37%	35%	31%	29%	38%	34%	28%	23%	18%	18%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	53%	56%	58%	59%	61%	62%	60%	62%	63%	64%	65%	65%	63%	64%	65%	65%	65%	66%	64%	65%	65%	66%	66%	66%	64%	65%	66%	66%	66%	66%
10	39%	41%	42%	43%	44%	44%	51%	53%	56%	58%	60%	61%	56%	59%	61%	62%	63%	64%	59%	61%	63%	64%	64%	65%	61%	63%	64%	64%	65%	65%
15	29%	31%	32%	32%	32%	32%	42%	45%	47%	49%	51%	52%	49%	52%	55%	57%	59%	61%	54%	57%	59%	61%	62%	63%	57%	59%	61%	62%	63%	64%
20	23%	24%	25%	25%	25%	25%	35%	38%	40%	41%	42%	43%	43%	46%	49%	51%	53%	55%	49%	52%	55%	57%	59%	61%	52%	56%	58%	60%	61%	63%
25	19%	20%	20%	21%	20%	20%	30%	32%	34%	35%	36%	36%	38%	41%	43%	45%	47%	48%	44%	47%	50%	52%	54%	56%	48%	52%	54%	57%	59%	60%
30	16%	17%	17%	17%	17%	17%	26%	28%	29%	30%	31%	31%	34%	36%	39%	40%	42%	42%	40%	43%	46%	48%	50%	51%	44%	48%	51%	53%	55%	57%
35	14%	15%	15%	15%	15%	14%	23%	25%	26%	27%	27%	27%	30%	33%	35%	36%	37%	38%	36%	39%	42%	44%	45%	46%	41%	44%	47%	49%	51%	53%
40	12%	13%	13%	13%	13%	12%	20%	22%	23%	24%	24%	24%	27%	30%	31%	33%	33%	34%	33%	36%	38%	40%	41%	42%	38%	41%	44%	46%	48%	49%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 100%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

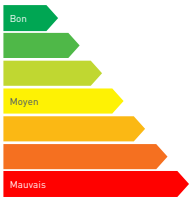
Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 100 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	0,23	0,20	0,18	0,15																										
10	0,45	0,42	0,40	0,39	0,38	0,37	0,28	0,24	0,21	0,18			0,20	0,16					0,16											
15	0,58	0,56	0,55	0,54	0,54	0,54	0,40	0,37	0,34	0,31	0,28	0,26	0,30	0,26	0,22	0,19	0,16		0,24	0,20	0,16				0,20	0,15				
20	0,66	0,65	0,64	0,64	0,64	0,65	0,50	0,47	0,44	0,42	0,40	0,39	0,39	0,35	0,31	0,28	0,25	0,22	0,31	0,27	0,23	0,20	0,16		0,26	0,22	0,18			
25							0,57	0,54	0,52	0,50	0,49	0,49	0,46	0,42	0,39	0,36	0,34	0,32	0,38	0,34	0,30	0,27	0,23	0,20	0,32	0,28	0,24	0,20	0,17	
30							0,62	0,60	0,58	0,57	0,56	0,56	0,51	0,48	0,46	0,43	0,41	0,40	0,43	0,40	0,36	0,33	0,30	0,28	0,37	0,33	0,29	0,26	0,22	0,19
35							0,66	0,64	0,63	0,62	0,62	0,62	0,56	0,53	0,51	0,49	0,48	0,47	0,48	0,45	0,42	0,39	0,36	0,35	0,42	0,38	0,34	0,31	0,28	0,25
40							0,70	0,68	0,67	0,66	0,66	0,66	0,60	0,58	0,56	0,54	0,53	0,53	0,52	0,49	0,46	0,44	0,42	0,41	0,46	0,42	0,39	0,36	0,33	0,31

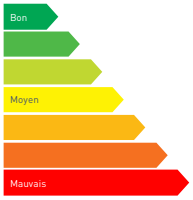
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	13%	9%	5%	3%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	35%	33%	31%	30%	29%	30%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	43%	43%	41%	41%	41%	41%	23%	18%	10%	5%	4%	3%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	52%	51%	50%	50%	50%	51%	34%	31%	28%	25%	22%	22%	16%	7%	2%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	56%	56%	56%	56%	56%	56%	39%	38%	36%	34%	33%	33%	26%	22%	14%	7%	4%	4%	11%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	58%	58%	58%	58%	58%	58%	44%	43%	41%	40%	40%	40%	34%	30%	26%	22%	18%	16%	21%	13%	5%	1%	0%	0%	7%	0%	0%	0%	0%	0%
40	60%	60%	60%	60%	60%	60%	49%	48%	46%	45%	44%	44%	38%	36%	33%	30%	29%	28%	29%	24%	16%	9%	5%	4%	17%	7%	1%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — 0	10	20	30	40	50	Largeur des lames 15 — 0	10	20	30	40	50	Largeur des lames 20 — 0	10	20	30	40	50	Largeur des lames 25 — 0	10	20	30	40	50
5	55%	57%	59%	61%	62%	63%	62%	63%	64%	65%	66%	66%	64%	65%	66%	66%	66%	67%	65%	66%	66%	67%	67%	67%	65%	66%	67%	67%	67%	67%
10	40%	42%	44%	45%	46%	46%	52%	55%	57%	59%	61%	62%	58%	60%	62%	63%	64%	65%	60%	63%	64%	65%	65%	66%	62%	64%	65%	65%	66%	66%
15	31%	32%	33%	33%	33%	33%	44%	47%	49%	51%	52%	54%	51%	54%	57%	59%	60%	62%	56%	58%	60%	62%	63%	64%	58%	61%	62%	64%	64%	65%
20	24%	25%	26%	26%	26%	25%	37%	39%	41%	43%	44%	45%	45%	48%	51%	53%	55%	56%	51%	54%	56%	58%	60%	62%	54%	57%	59%	61%	63%	64%
25	20%	21%	21%	21%	21%	20%	32%	34%	35%	37%	37%	37%	40%	43%	45%	47%	49%	50%	46%	49%	52%	54%	56%	58%	50%	53%	56%	58%	60%	62%
30	17%	18%	18%	18%	18%	17%	28%	29%	31%	32%	32%	32%	36%	38%	40%	42%	43%	44%	42%	45%	47%	50%	51%	53%	46%	50%	52%	55%	57%	58%
35	15%	15%	15%	15%	15%	15%	24%	26%	27%	28%	28%	28%	32%	34%	36%	38%	39%	39%	38%	41%	44%	46%	47%	48%	43%	46%	49%	51%	53%	55%
40	13%	13%	13%	13%	13%	13%	22%	23%	24%	25%	25%	24%	29%	31%	33%	34%	35%	35%	35%	38%	40%	42%	43%	44%	40%	43%	46%	48%	49%	51%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

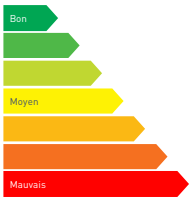
Météo : Mayotte
Orientation : NORD
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,46	0,44	0,42	0,40	0,38	0,35	0,37	0,35	0,33	0,31	0,30	0,29	0,33	0,31	0,30	0,29	0,28	0,27	0,31	0,29	0,29	0,28	0,27	0,27	0,30	0,28	0,28	0,27	0,27	0,26
10	0,62	0,61	0,60	0,59	0,58	0,57	0,50	0,47	0,45	0,43	0,40	0,37	0,43	0,40	0,38	0,36	0,33	0,31	0,39	0,36	0,34	0,33	0,31	0,29	0,37	0,34	0,32	0,31	0,30	0,28
15			0,70	0,69	0,69	0,69	0,59	0,57	0,55	0,53	0,51	0,50	0,52	0,49	0,46	0,44	0,41	0,38	0,46	0,44	0,41	0,38	0,36	0,33	0,43	0,40	0,37	0,35	0,33	0,31
20							0,66	0,65	0,63	0,62	0,60	0,59	0,58	0,56	0,54	0,51	0,49	0,47	0,52	0,50	0,47	0,44	0,42	0,38	0,48	0,46	0,43	0,40	0,37	0,34
25								0,70	0,69	0,68	0,67	0,66	0,64	0,62	0,60	0,58	0,56	0,54	0,58	0,55	0,53	0,50	0,48	0,45	0,53	0,50	0,48	0,45	0,42	0,39
30													0,68	0,66	0,64	0,63	0,61	0,60	0,62	0,60	0,58	0,55	0,53	0,51	0,57	0,55	0,52	0,50	0,47	0,44
35														0,70	0,68	0,67	0,66	0,65	0,65	0,64	0,62	0,60	0,58	0,56	0,61	0,59	0,56	0,54	0,51	0,49
40																	0,69	0,69	0,69	0,67	0,65	0,63	0,62	0,61	0,64	0,62	0,60	0,58	0,56	0,54

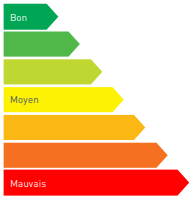
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	34%	33%	33%	32%	31%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	45%	43%	42%	42%	42%	42%	22%	18%	10%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	51%	51%	50%	50%	50%	50%	34%	32%	30%	27%	25%	23%	11%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	55%	54%	54%	54%	54%	54%	40%	38%	37%	36%	35%	34%	27%	23%	17%	10%	4%	1%	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
35	57%	56%	56%	56%	56%	56%	46%	44%	42%	41%	40%	40%	34%	32%	29%	26%	21%	19%	20%	15%	5%	1%	0%	0%	1%	0%	0%	0%	0%	0%
40	69%	58%	58%	58%	58%	58%	50%	49%	48%	46%	45%	45%	38%	36%	34%	33%	31%	30%	29%	26%	19%	13%	6%	1%	14%	7%	0%	0%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	43%	44%	44%	45%	46%	47%	47%	48%	49%	49%	50%	50%	48%	49%	50%	50%	50%	51%	49%	50%	50%	50%	51%	51%	50%	50%	50%	51%	51%	51%
10	32%	33%	34%	35%	35%	35%	41%	42%	43%	44%	45%	47%	44%	45%	46%	47%	48%	49%	46%	47%	48%	49%	49%	50%	47%	48%	49%	49%	50%	50%
15	24%	25%	25%	26%	25%	25%	35%	37%	38%	39%	40%	41%	40%	41%	43%	44%	45%	46%	42%	44%	45%	46%	47%	48%	44%	45%	47%	48%	48%	49%
20	19%	20%	20%	20%	20%	19%	30%	31%	32%	33%	34%	34%	36%	38%	39%	40%	41%	42%	40%	41%	42%	44%	45%	46%	42%	43%	44%	46%	47%	48%
25	15%	16%	16%	16%	16%	15%	25%	27%	28%	28%	29%	28%	32%	34%	36%	37%	38%	38%	37%	38%	40%	41%	42%	43%	39%	41%	42%	43%	45%	46%
30	13%	13%	13%	13%	13%	12%	22%	23%	24%	24%	24%	24%	29%	30%	32%	33%	34%	34%	34%	36%	37%	38%	39%	40%	37%	38%	40%	41%	42%	44%
35	11%	11%	11%	11%	11%	11%	19%	20%	21%	21%	21%	21%	26%	27%	28%	29%	30%	30%	31%	33%	34%	35%	36%	37%	35%	36%	38%	39%	40%	41%
40	10%	10%	10%	10%	9%	9%	17%	18%	18%	19%	19%	18%	23%	25%	26%	26%	27%	26%	28%	30%	31%	33%	33%	34%	32%	34%	36%	37%	38%	39%



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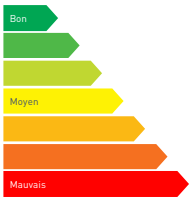
Orientation : NORD-EST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 15 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 20 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 25 — Inclinaison de la lame 0	10	20	30	40	50
5	0,43	0,41	0,39	0,37	0,35	0,33	0,35	0,33	0,31	0,30	0,29	0,28	0,32	0,30	0,29	0,28	0,27	0,27	0,30	0,28	0,28	0,27	0,27	0,26	0,29	0,28	0,27	0,27	0,26	0,26
10	0,59	0,57	0,56	0,55	0,54	0,53	0,47	0,44	0,42	0,39	0,37	0,34	0,41	0,38	0,35	0,33	0,31	0,30	0,37	0,34	0,32	0,31	0,30	0,28	0,35	0,32	0,30	0,30	0,29	0,28
15	0,68	0,67	0,66	0,66	0,66	0,66	0,56	0,53	0,51	0,49	0,47	0,46	0,48	0,46	0,43	0,40	0,38	0,35	0,44	0,41	0,38	0,35	0,33	0,31	0,41	0,37	0,35	0,33	0,31	0,30
20							0,62	0,60	0,59	0,57	0,56	0,55	0,55	0,52	0,50	0,47	0,45	0,43	0,49	0,46	0,43	0,41	0,38	0,35	0,45	0,42	0,39	0,37	0,34	0,32
25							0,68	0,66	0,65	0,63	0,63	0,62	0,60	0,57	0,55	0,53	0,51	0,50	0,54	0,51	0,49	0,46	0,44	0,41	0,50	0,47	0,44	0,41	0,38	0,36
30									0,69	0,68	0,68	0,68	0,64	0,62	0,60	0,58	0,57	0,56	0,58	0,56	0,53	0,51	0,49	0,47	0,54	0,51	0,48	0,45	0,43	0,40
35													0,67	0,65	0,64	0,62	0,61	0,61	0,62	0,59	0,57	0,55	0,53	0,52	0,57	0,54	0,52	0,49	0,47	0,45
40														0,69	0,67	0,66	0,65	0,65	0,65	0,62	0,60	0,59	0,57	0,56	0,60	0,57	0,55	0,53	0,51	0,49

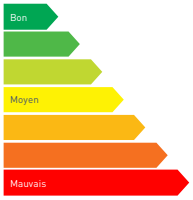
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 15 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 20 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 25 — Inclinaison de la lame 0	10	20	30	40	50
5	8%	5%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	29%	28%	26%	24%	23%	22%	13%	9%	5%	3%	1%	0%	4%	2%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	40%	40%	39%	38%	38%	38%	26%	23%	19%	16%	13%	9%	15%	11%	6%	4%	1%	0%	9%	4%	2%	0%	0%	0%	4%	2%	0%	0%	0%	0%
20	48%	47%	46%	46%	46%	47%	35%	33%	31%	28%	25%	24%	24%	20%	16%	12%	8%	5%	16%	12%	8%	4%	1%	0%	11%	6%	3%	1%	0%	0%
25	53%	53%	52%	52%	52%	52%	40%	39%	38%	36%	35%	35%	31%	29%	24%	22%	19%	17%	23%	19%	14%	10%	7%	4%	17%	13%	8%	4%	2%	0%
30	56%	55%	55%	55%	55%	55%	45%	44%	42%	41%	40%	40%	36%	35%	33%	30%	27%	25%	29%	26%	22%	18%	14%	11%	22%	18%	14%	9%	5%	4%
35	57%	57%	57%	57%	57%	57%	49%	48%	46%	46%	45%	45%	39%	39%	37%	36%	34%	33%	34%	31%	28%	24%	22%	19%	28%	24%	19%	16%	11%	8%
40	59%	58%	58%	58%	58%	59%	52%	51%	50%	50%	50%	49%	43%	41%	40%	40%	38%	38%	37%	36%	33%	30%	29%	26%	32%	30%	24%	21%	18%	15%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 10 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 15 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 20 — Inclinaison de la lame 0	10	20	30	40	50	Largeur des lames 25 — Inclinaison de la lame 0	10	20	30	40	50
5	42%	43%	45%	46%	47%	48%	47%	48%	49%	50%	51%	51%	49%	50%	51%	51%	51%	52%	50%	51%	51%	51%	52%	52%	50%	51%	51%	52%	52%	52%
10	30%	32%	33%	34%	34%	34%	40%	42%	43%	45%	46%	47%	44%	46%	47%	48%	49%	50%	46%	48%	49%	50%	50%	51%	47%	49%	50%	50%	51%	51%
15	23%	24%	25%	25%	25%	25%	33%	35%	37%	38%	40%	40%	39%	41%	43%	44%	46%	47%	42%	44%	46%	47%	48%	49%	44%	46%	48%	49%	49%	50%
20	18%	19%	19%	19%	19%	19%	28%	30%	31%	32%	33%	33%	34%	36%	38%	40%	41%	43%	38%	41%	42%	44%	46%	47%	41%	43%	45%	46%	48%	49%
25	15%	15%	16%	16%	15%	15%	24%	25%	26%	27%	28%	28%	30%	32%	34%	36%	37%	38%	35%	37%	39%	41%	42%	44%	38%	40%	42%	44%	45%	47%
30	12%	13%	13%	13%	13%	12%	21%	22%	23%	23%	24%	24%	27%	29%	30%	32%	33%	33%	32%	34%	36%	37%	39%	40%	35%	37%	39%	41%	43%	44%
35	11%	11%	11%	11%	11%	10%	18%	19%	20%	20%	21%	20%	24%	26%	27%	28%	29%	29%	29%	31%	33%	34%	35%	36%	32%	35%	37%	38%	40%	41%
40	9%	9%	10%	9%	9%	9%	16%	17%	18%	18%	18%	18%	22%	23%	24%	25%	26%	26%	26%	28%	30%	31%	32%	33%	30%	32%	34%	36%	37%	38%



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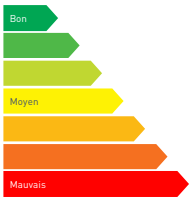
Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,43	0,40	0,38	0,36	0,34	0,32	0,35	0,32	0,30	0,29	0,28	0,27	0,32	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,27	0,27	0,26	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,59	0,57	0,56	0,54	0,53	0,53	0,46	0,43	0,40	0,38	0,35	0,33	0,40	0,37	0,34	0,32	0,30	0,29	0,37	0,33	0,31	0,30	0,29	0,28	0,34	0,31	0,30	0,29	0,28	0,27
15	0,69	0,68	0,67	0,66	0,66	0,66	0,56	0,53	0,50	0,48	0,46	0,44	0,48	0,44	0,41	0,39	0,36	0,34	0,43	0,39	0,36	0,34	0,32	0,30	0,40	0,36	0,33	0,32	0,30	0,29
20							0,63	0,61	0,58	0,57	0,55	0,55	0,55	0,51	0,48	0,46	0,43	0,41	0,49	0,45	0,42	0,39	0,37	0,34	0,45	0,41	0,38	0,35	0,33	0,31
25							0,68	0,66	0,65	0,63	0,63	0,62	0,60	0,57	0,54	0,52	0,50	0,49	0,54	0,50	0,47	0,44	0,42	0,40	0,49	0,46	0,42	0,39	0,37	0,34
30									0,69	0,68	0,68	0,68	0,65	0,62	0,60	0,58	0,56	0,55	0,58	0,55	0,52	0,50	0,47	0,45	0,53	0,50	0,47	0,44	0,41	0,39
35													0,68	0,66	0,64	0,62	0,61	0,61	0,62	0,59	0,56	0,54	0,52	0,51	0,57	0,54	0,51	0,48	0,45	0,43
40														0,69	0,67	0,66	0,65	0,65	0,65	0,63	0,60	0,58	0,57	0,56	0,60	0,57	0,54	0,52	0,50	0,48

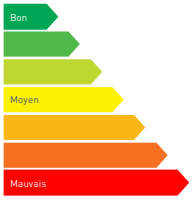
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	25%	20%	14%	6%	5%	13%	5%	4%	3%	3%	3%	6%	3%	3%	3%	3%	2%	4%	3%	3%	3%	2%	2%	3%	3%	2%	3%	2%	2%
10	40%	39%	38%	37%	37%	37%	32%	29%	24%	17%	8%	5%	24%	15%	6%	4%	4%	3%	16%	6%	4%	4%	3%	3%	11%	5%	4%	3%	3%	3%
15	47%	47%	46%	46%	45%	46%	38%	37%	35%	33%	31%	29%	33%	30%	25%	18%	9%	6%	28%	20%	11%	6%	4%	4%	21%	13%	6%	4%	4%	3%
20	52%	52%	51%	51%	51%	51%	44%	43%	42%	40%	38%	37%	38%	36%	33%	31%	28%	24%	34%	31%	26%	19%	10%	6%	31%	24%	15%	8%	5%	4%
25	57%	56%	56%	56%	56%	56%	47%	46%	45%	45%	44%	44%	42%	40%	38%	37%	35%	33%	38%	35%	33%	29%	25%	21%	35%	32%	26%	20%	10%	6%
30	59%	59%	59%	59%	59%	59%	50%	49%	49%	48%	48%	47%	45%	44%	43%	42%	39%	38%	40%	39%	37%	34%	33%	30%	37%	35%	32%	28%	23%	19%
35	61%	61%	61%	61%	61%	61%	53%	52%	51%	51%	51%	50%	47%	46%	45%	44%	43%	43%	43%	43%	40%	38%	37%	35%	39%	38%	36%	33%	30%	27%
40	62%	62%	62%	62%	62%	62%	56%	55%	54%	54%	54%	54%	49%	48%	48%	47%	46%	45%	45%	44%	43%	42%	40%	38%	43%	40%	38%	37%	34%	33%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	41%	42%	44%	45%	46%	47%	46%	48%	49%	49%	50%	50%	48%	49%	50%	50%	50%	51%	49%	50%	50%	50%	51%	51%	49%	50%	51%	51%	51%	51%
10	29%	30%	32%	32%	33%	33%	38%	40%	42%	44%	45%	46%	43%	45%	46%	47%	48%	49%	45%	47%	48%	49%	49%	50%	46%	48%	49%	49%	50%	50%
15	22%	23%	24%	24%	24%	24%	32%	34%	35%	37%	38%	39%	37%	40%	42%	43%	45%	46%	41%	43%	45%	46%	47%	48%	43%	45%	47%	48%	48%	49%
20	17%	18%	18%	19%	18%	18%	26%	28%	30%	31%	32%	32%	33%	35%	37%	39%	40%	41%	37%	39%	41%	43%	44%	46%	40%	42%	44%	45%	47%	48%
25	14%	15%	15%	15%	15%	15%	22%	24%	25%	26%	27%	27%	29%	31%	33%	34%	35%	36%	33%	36%	38%	39%	41%	42%	36%	39%	41%	43%	44%	46%
30	12%	12%	13%	13%	12%	12%	19%	21%	22%	22%	23%	23%	25%	27%	29%	30%	31%	32%	30%	32%	34%	36%	37%	38%	33%	36%	38%	40%	41%	43%
35	10%	10%	11%	11%	10%	10%	17%	18%	19%	20%	20%	20%	23%	24%	26%	27%	28%	28%	27%	29%	31%	33%	34%	35%	31%	33%	35%	37%	39%	40%
40	9%	9%	9%	9%	9%	9%	15%	16%	17%	17%	17%	17%	20%	22%	23%	24%	25%	25%	25%	27%	28%	30%	31%	31%	28%	31%	33%	34%	36%	37%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

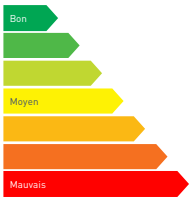
Météo : Mayotte
Orientation : SUD-EST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,43	0,41	0,39	0,37	0,35	0,33	0,35	0,33	0,31	0,29	0,28	0,27	0,32	0,30	0,28	0,28	0,27	0,26	0,30	0,28	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,59	0,57	0,56	0,54	0,54	0,53	0,47	0,44	0,41	0,39	0,36	0,34	0,41	0,38	0,35	0,33	0,31	0,29	0,37	0,34	0,32	0,30	0,29	0,28	0,35	0,32	0,30	0,29	0,28	0,27
15	0,69	0,67	0,67	0,66	0,66	0,66	0,56	0,53	0,51	0,49	0,47	0,45	0,48	0,45	0,42	0,40	0,37	0,35	0,44	0,40	0,37	0,35	0,33	0,31	0,40	0,37	0,34	0,32	0,31	0,29
20							0,63	0,61	0,59	0,57	0,56	0,55	0,55	0,52	0,49	0,47	0,44	0,42	0,49	0,46	0,43	0,40	0,37	0,35	0,45	0,42	0,39	0,36	0,34	0,32
25							0,68	0,66	0,65	0,63	0,63	0,62	0,60	0,57	0,55	0,53	0,51	0,49	0,54	0,51	0,48	0,45	0,43	0,41	0,50	0,46	0,43	0,40	0,38	0,35
30									0,69	0,68	0,68	0,68	0,64	0,62	0,60	0,58	0,57	0,56	0,58	0,55	0,53	0,50	0,48	0,46	0,54	0,50	0,48	0,45	0,42	0,40
35													0,68	0,66	0,64	0,62	0,61	0,61	0,62	0,59	0,57	0,55	0,53	0,51	0,57	0,54	0,51	0,49	0,46	0,44
40														0,69	0,67	0,66	0,65	0,65	0,65	0,63	0,60	0,59	0,57	0,56	0,60	0,57	0,55	0,52	0,50	0,49

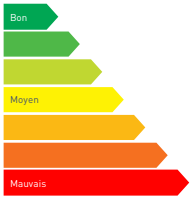
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	18%	13%	8%	4%	2%	1%	4%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	35%	35%	33%	31%	30%	30%	23%	18%	11%	6%	3%	1%	11%	5%	2%	1%	0%	0%	5%	2%	0%	0%	0%	0%	3%	1%	0%	0%	0%	0%
15	46%	45%	44%	43%	43%	43%	32%	31%	27%	25%	20%	18%	24%	20%	13%	7%	3%	2%	16%	9%	4%	2%	1%	0%	10%	4%	1%	1%	0%	0%
20	53%	52%	52%	52%	52%	52%	39%	38%	36%	35%	33%	32%	32%	29%	25%	20%	15%	13%	25%	21%	14%	7%	4%	2%	19%	12%	5%	3%	1%	1%
25	58%	57%	57%	57%	57%	57%	45%	44%	42%	41%	40%	40%	37%	35%	32%	29%	27%	25%	31%	27%	23%	19%	14%	9%	26%	21%	14%	7%	4%	2%
30	60%	60%	60%	60%	60%	60%	50%	49%	47%	47%	46%	45%	41%	40%	38%	36%	34%	33%	35%	33%	29%	27%	22%	20%	30%	27%	22%	17%	12%	6%
35	62%	62%	62%	61%	61%	62%	54%	53%	52%	51%	51%	50%	45%	43%	42%	40%	40%	38%	39%	38%	34%	32%	29%	28%	35%	32%	28%	24%	20%	15%
40	63%	63%	63%	62%	62%	62%	57%	56%	55%	55%	54%	54%	48%	47%	46%	44%	43%	42%	41%	41%	39%	38%	34%	33%	37%	35%	32%	29%	27%	24%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	35%	36%	37%	38%	39%	40%	40%	41%	42%	42%	43%	44%	42%	43%	43%	43%	44%	44%	43%	43%	44%	44%	44%	45%	43%	44%	44%	44%	44%	45%
10	25%	26%	27%	28%	28%	28%	33%	34%	36%	37%	38%	39%	37%	38%	39%	40%	41%	42%	39%	40%	41%	42%	42%	43%	40%	41%	42%	42%	43%	44%
15	19%	20%	21%	21%	21%	21%	27%	29%	30%	31%	32%	33%	32%	34%	35%	36%	38%	39%	35%	36%	38%	39%	40%	41%	37%	38%	40%	41%	41%	42%
20	16%	16%	16%	16%	16%	16%	23%	24%	25%	26%	27%	27%	28%	30%	31%	32%	33%	35%	32%	33%	35%	36%	37%	39%	34%	35%	37%	38%	40%	41%
25	13%	13%	13%	13%	13%	13%	20%	21%	22%	22%	23%	23%	25%	26%	27%	28%	29%	30%	29%	30%	31%	33%	34%	35%	31%	33%	34%	36%	37%	39%
30	11%	11%	11%	11%	11%	11%	17%	18%	19%	19%	19%	20%	22%	23%	24%	25%	26%	27%	26%	27%	29%	30%	31%	32%	29%	30%	32%	33%	35%	36%
35	9%	10%	10%	10%	9%	9%	15%	16%	17%	17%	17%	17%	20%	21%	22%	23%	23%	24%	24%	25%	26%	27%	28%	29%	27%	28%	29%	31%	32%	33%
40	8%	8%	8%	8%	8%	8%	14%	14%	15%	15%	15%	15%	18%	19%	20%	21%	21%	21%	22%	23%	24%	25%	26%	26%	25%	26%	27%	29%	30%	31%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

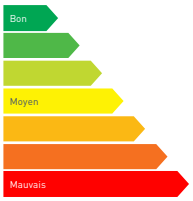
Météo : Mayotte
Orientation : SUD
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,45	0,43	0,41	0,39	0,37	0,35	0,36	0,34	0,32	0,31	0,30	0,28	0,33	0,31	0,29	0,29	0,28	0,27	0,31	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,28	0,27	0,27	0,26
10	0,61	0,60	0,58	0,57	0,57	0,56	0,49	0,47	0,44	0,42	0,39	0,36	0,43	0,40	0,37	0,35	0,33	0,31	0,39	0,36	0,34	0,32	0,31	0,29	0,36	0,33	0,32	0,31	0,29	0,28
15		0,69	0,69	0,68	0,68	0,68	0,58	0,56	0,54	0,52	0,50	0,48	0,51	0,48	0,45	0,43	0,40	0,37	0,46	0,43	0,40	0,37	0,35	0,32	0,42	0,39	0,36	0,34	0,32	0,31
20							0,65	0,63	0,62	0,60	0,59	0,58	0,57	0,55	0,53	0,50	0,48	0,45	0,52	0,49	0,46	0,43	0,40	0,38	0,48	0,45	0,42	0,39	0,36	0,34
25							0,70	0,69	0,67	0,66	0,65	0,65	0,62	0,60	0,58	0,56	0,55	0,53	0,57	0,54	0,52	0,49	0,47	0,44	0,52	0,50	0,47	0,44	0,41	0,38
30												0,70	0,67	0,65	0,63	0,61	0,60	0,59	0,61	0,59	0,56	0,54	0,52	0,50	0,56	0,54	0,51	0,48	0,46	0,43
35													0,70	0,68	0,67	0,66	0,64	0,64	0,64	0,62	0,60	0,58	0,57	0,55	0,60	0,58	0,55	0,53	0,50	0,48
40																0,69	0,68	0,67	0,67	0,66	0,64	0,62	0,61	0,59	0,63	0,61	0,59	0,56	0,54	0,52

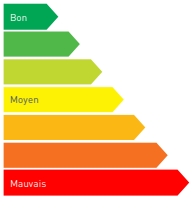
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	10%	8%	7%	5%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	45%	43%	41%	41%	40%	40%	7%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20	55%	55%	53%	53%	53%	53%	34%	27%	15%	9%	7%	6%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
25	61%	61%	60%	60%	60%	60%	44%	41%	39%	37%	35%	34%	17%	9%	7%	3%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
30	65%	64%	63%	63%	63%	63%	52%	50%	46%	45%	44%	43%	38%	34%	25%	14%	8%	7%	9%	7%	2%	0%	0%	0%	2%	0%	0%	0%	0%	0%
35	66%	66%	66%	66%	66%	66%	56%	55%	53%	52%	51%	51%	44%	41%	38%	36%	31%	27%	31%	21%	9%	7%	3%	0%	8%	6%	0%	0%	0%	0%
40	67%	67%	67%	66%	67%	67%	60%	59%	57%	56%	56%	56%	51%	47%	44%	42%	40%	39%	39%	36%	29%	19%	10%	8%	21%	10%	7%	2%	0%	0%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	30%	31%	32%	32%	33%	35%	35%	35%	36%	37%	37%	38%	36%	37%	38%	38%	38%	39%	37%	38%	38%	39%	39%	39%	38%	38%	39%	39%	39%	39%
10	22%	22%	23%	23%	23%	24%	28%	29%	30%	31%	32%	34%	31%	32%	33%	34%	36%	37%	33%	34%	35%	36%	37%	38%	35%	36%	36%	37%	38%	38%
15	17%	17%	17%	17%	17%	17%	23%	24%	25%	26%	26%	27%	27%	28%	29%	30%	32%	33%	30%	31%	32%	33%	34%	36%	32%	33%	34%	35%	36%	37%
20	13%	14%	14%	14%	14%	14%	19%	20%	21%	21%	22%	22%	24%	25%	25%	27%	28%	29%	27%	28%	29%	30%	31%	33%	29%	30%	31%	32%	34%	35%
25	11%	11%	11%	11%	11%	11%	17%	17%	18%	18%	19%	19%	21%	22%	22%	23%	24%	25%	24%	25%	26%	27%	28%	30%	26%	27%	29%	30%	31%	33%
30	10%	10%	10%	10%	10%	9%	15%	15%	16%	16%	16%	16%	19%	19%	20%	21%	21%	22%	22%	23%	23%	24%	25%	27%	24%	25%	26%	27%	29%	30%
35	8%	8%	8%	8%	8%	8%	13%	13%	14%	14%	14%	14%	17%	17%	18%	19%	19%	19%	20%	21%	21%	22%	23%	24%	22%	23%	24%	25%	26%	28%
40	7%	7%	7%	7%	7%	7%	12%	12%	12%	13%	13%	13%	15%	16%	16%	17%	17%	17%	18%	19%	20%	20%	21%	22%	21%	21%	22%	23%	24%	25%



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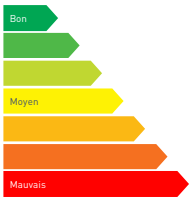
Météo : Mayotte
Orientation : SUD-OUEST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,43	0,40	0,38	0,36	0,34	0,32	0,35	0,32	0,30	0,29	0,28	0,27	0,32	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,27	0,27	0,26	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,59	0,57	0,55	0,54	0,53	0,53	0,46	0,43	0,40	0,38	0,35	0,33	0,40	0,37	0,34	0,32	0,30	0,29	0,37	0,33	0,31	0,30	0,29	0,28	0,34	0,31	0,30	0,29	0,28	0,27
15	0,69	0,67	0,66	0,66	0,66	0,66	0,56	0,53	0,50	0,48	0,46	0,44	0,48	0,44	0,41	0,39	0,36	0,34	0,43	0,39	0,36	0,34	0,32	0,30	0,40	0,36	0,33	0,31	0,30	0,29
20							0,63	0,60	0,58	0,57	0,55	0,55	0,55	0,51	0,48	0,46	0,43	0,41	0,49	0,45	0,42	0,39	0,36	0,34	0,45	0,41	0,38	0,35	0,33	0,31
25							0,68	0,66	0,64	0,63	0,62	0,62	0,60	0,57	0,54	0,52	0,50	0,49	0,54	0,50	0,47	0,45	0,42	0,40	0,49	0,46	0,42	0,39	0,37	0,34
30									0,69	0,68	0,68	0,68	0,64	0,62	0,59	0,58	0,56	0,55	0,58	0,55	0,52	0,50	0,47	0,45	0,53	0,50	0,47	0,44	0,41	0,39
35													0,68	0,66	0,64	0,62	0,61	0,60	0,62	0,59	0,56	0,54	0,52	0,51	0,57	0,54	0,51	0,48	0,45	0,43
40														0,69	0,67	0,66	0,65	0,65	0,65	0,62	0,60	0,58	0,57	0,55	0,60	0,57	0,54	0,52	0,50	0,48

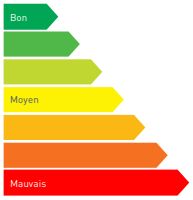
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	23%	19%	14%	9%	4%	2%	8%	3%	1%	1%	0%	0%	3%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	40%	39%	38%	36%	35%	34%	28%	24%	17%	11%	6%	3%	18%	10%	4%	1%	1%	0%	10%	4%	1%	1%	0%	0%	8%	1%	1%	0%	0%	0%
15	51%	50%	49%	48%	48%	48%	38%	36%	32%	30%	27%	24%	30%	26%	19%	13%	7%	3%	23%	15%	9%	3%	1%	1%	16%	9%	3%	1%	1%	0%
20	59%	59%	59%	59%	58%	59%	44%	42%	41%	39%	37%	37%	37%	34%	30%	26%	21%	18%	31%	26%	20%	14%	8%	3%	26%	18%	11%	5%	2%	1%
25	63%	62%	62%	62%	62%	62%	51%	49%	48%	46%	45%	44%	42%	40%	37%	35%	32%	30%	36%	33%	29%	24%	19%	14%	32%	27%	21%	14%	8%	3%
30	65%	64%	64%	64%	64%	64%	56%	55%	53%	52%	51%	51%	46%	44%	42%	40%	38%	37%	40%	38%	35%	32%	29%	25%	35%	32%	28%	23%	18%	12%
35	66%	66%	66%	66%	66%	66%	60%	59%	58%	58%	57%	56%	51%	49%	47%	45%	43%	42%	44%	41%	39%	37%	35%	33%	40%	37%	33%	29%	25%	21%
40	67%	67%	67%	67%	67%	67%	62%	61%	61%	61%	60%	60%	54%	53%	51%	50%	48%	48%	47%	45%	42%	41%	39%	37%	42%	40%	37%	35%	31%	29%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	36%	37%	38%	39%	40%	41%	41%	42%	43%	43%	44%	45%	43%	44%	44%	44%	45%	45%	44%	44%	45%	45%	45%	46%	44%	45%	45%	45%	45%	46%
10	26%	27%	28%	28%	29%	29%	34%	35%	37%	38%	39%	41%	38%	39%	40%	41%	42%	43%	40%	41%	42%	43%	44%	44%	41%	42%	43%	44%	44%	45%
15	20%	20%	21%	21%	21%	21%	28%	29%	31%	32%	33%	34%	33%	35%	36%	37%	39%	40%	36%	37%	39%	40%	41%	42%	38%	39%	41%	42%	43%	44%
20	16%	16%	16%	17%	16%	16%	24%	25%	26%	27%	28%	28%	29%	30%	32%	33%	35%	36%	32%	34%	36%	37%	39%	40%	35%	37%	38%	39%	41%	42%
25	13%	13%	13%	13%	13%	13%	20%	21%	22%	23%	23%	23%	26%	27%	28%	29%	30%	31%	29%	31%	32%	34%	35%	37%	32%	34%	35%	37%	38%	40%
30	11%	11%	11%	11%	11%	11%	18%	18%	19%	20%	20%	20%	23%	24%	25%	26%	27%	27%	27%	28%	30%	31%	32%	33%	30%	31%	33%	34%	36%	37%
35	9%	9%	10%	9%	9%	9%	15%	16%	17%	17%	17%	17%	20%	22%	23%	23%	24%	24%	24%	26%	27%	28%	29%	30%	27%	29%	30%	32%	33%	34%
40	8%	8%	8%	8%	8%	8%	14%	14%	15%	15%	15%	15%	18%	19%	20%	21%	22%	22%	22%	24%	25%	26%	27%	27%	25%	27%	28%	30%	31%	32%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

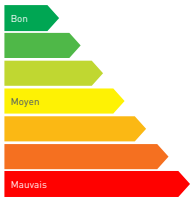
Météo : Mayotte
Orientation : OUEST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	0,43	0,40	0,37	0,35	0,33	0,31	0,34	0,31	0,30	0,28	0,28	0,27	0,31	0,29	0,28	0,27	0,27	0,26	0,30	0,28	0,27	0,27	0,26	0,26	0,29	0,27	0,27	0,26	0,26	0,26
10	0,60	0,57	0,56	0,54	0,53	0,53	0,47	0,43	0,40	0,37	0,35	0,32	0,40	0,36	0,33	0,31	0,30	0,29	0,36	0,33	0,30	0,29	0,28	0,27	0,34	0,31	0,29	0,28	0,28	0,27
15	0,69	0,68	0,67	0,66	0,66	0,66	0,56	0,53	0,50	0,48	0,46	0,44	0,48	0,44	0,41	0,38	0,35	0,33	0,43	0,39	0,36	0,33	0,31	0,30	0,39	0,36	0,33	0,31	0,30	0,28
20							0,63	0,61	0,58	0,57	0,55	0,54	0,55	0,51	0,48	0,45	0,43	0,41	0,49	0,45	0,41	0,38	0,36	0,33	0,45	0,40	0,37	0,34	0,32	0,30
25							0,69	0,67	0,65	0,63	0,62	0,62	0,60	0,57	0,54	0,52	0,50	0,48	0,54	0,50	0,47	0,44	0,41	0,39	0,49	0,45	0,42	0,38	0,36	0,33
30									0,69	0,68	0,68	0,68	0,65	0,62	0,60	0,57	0,56	0,55	0,59	0,55	0,52	0,49	0,47	0,45	0,54	0,50	0,46	0,43	0,40	0,38
35													0,69	0,66	0,64	0,62	0,61	0,60	0,62	0,59	0,56	0,54	0,52	0,50	0,58	0,54	0,50	0,47	0,45	0,43
40														0,69	0,67	0,66	0,65	0,65	0,66	0,63	0,60	0,58	0,56	0,55	0,61	0,57	0,54	0,51	0,49	0,47

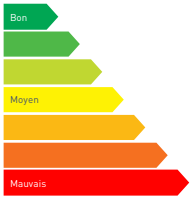
CLD

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	35%	33%	28%	23%	18%	9%	21%	12%	6%	6%	6%	5%	13%	6%	6%	5%	5%	5%	8%	6%	5%	5%	4%	4%	5%	6%	5%	5%	4%	4%
10	47%	46%	45%	44%	43%	43%	37%	35%	31%	26%	20%	10%	32%	24%	14%	8%	7%	6%	25%	14%	7%	7%	6%	5%	19%	8%	7%	6%	6%	5%
15	52%	52%	52%	51%	51%	51%	45%	44%	41%	39%	37%	35%	39%	36%	32%	27%	21%	11%	35%	29%	19%	11%	8%	7%	31%	21%	11%	8%	7%	6%
20	59%	58%	58%	58%	58%	58%	48%	47%	47%	46%	45%	44%	44%	43%	39%	37%	34%	32%	40%	37%	33%	27%	21%	11%	36%	32%	24%	15%	9%	7%
25	63%	63%	62%	62%	62%	62%	52%	51%	50%	50%	49%	49%	47%	47%	45%	43%	42%	40%	44%	42%	39%	36%	33%	29%	40%	38%	33%	27%	21%	12%
30	64%	64%	64%	64%	64%	64%	56%	55%	54%	54%	53%	53%	49%	48%	47%	47%	46%	45%	47%	45%	43%	41%	38%	36%	44%	41%	38%	35%	31%	26%
35	66%	66%	66%	66%	66%	66%	59%	59%	58%	58%	57%	56%	52%	51%	50%	49%	48%	47%	48%	47%	46%	45%	43%	42%	46%	44%	42%	39%	37%	34%
40	67%	67%	67%	67%	67%	67%	62%	62%	61%	60%	60%	60%	55%	54%	53%	52%	51%	51%	50%	49%	48%	47%	46%	45%	47%	47%	45%	43%	41%	39%



CECC

Espacement entre les lames	Largeur des lames 5 — Inclinaison de la lame 0	10	20	30	40	50	10 — 0	10	20	30	40	50	15 — 0	10	20	30	40	50	20 — 0	10	20	30	40	50	25 — 0	10	20	30	40	50
5	41%	43%	44%	46%	47%	48%	46%	48%	49%	50%	50%	51%	49%	50%	50%	51%	51%	51%	50%	51%	51%	51%	51%	52%	50%	51%	51%	51%	52%	52%
10	29%	30%	32%	33%	33%	33%	38%	41%	43%	45%	46%	47%	43%	45%	47%	48%	49%	50%	45%	47%	49%	49%	50%	51%	47%	49%	50%	50%	51%	51%
15	22%	23%	23%	24%	24%	24%	31%	34%	36%	37%	39%	40%	37%	40%	42%	44%	46%	47%	41%	44%	46%	47%	48%	49%	43%	46%	47%	48%	49%	50%
20	17%	18%	18%	18%	18%	18%	26%	28%	30%	31%	32%	32%	32%	35%	37%	39%	41%	42%	37%	40%	42%	44%	45%	47%	40%	42%	45%	46%	48%	49%
25	14%	14%	15%	15%	15%	14%	22%	24%	25%	26%	27%	27%	28%	31%	33%	34%	36%	37%	33%	36%	38%	40%	42%	43%	36%	39%	42%	44%	45%	47%
30	11%	12%	12%	12%	12%	12%	19%	20%	22%	22%	23%	23%	25%	27%	29%	30%	31%	32%	30%	32%	34%	36%	38%	39%	33%	36%	38%	40%	42%	44%
35	10%	10%	10%	10%	10%	10%	17%	18%	19%	19%	20%	20%	22%	24%	26%	27%	28%	28%	27%	29%	31%	33%	34%	35%	31%	33%	36%	38%	39%	41%
40	8%	9%	9%	9%	9%	8%	15%	16%	17%	17%	17%	17%	20%	22%	23%	24%	25%	25%	25%	27%	28%	30%	31%	32%	28%	31%	33%	35%	36%	37%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 75%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

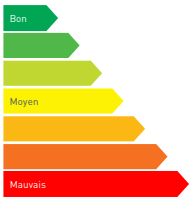
Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 75 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,43	0,40	0,38	0,36	0,34	0,32	0,35	0,32	0,30	0,29	0,28	0,27	0,32	0,29	0,28	0,28	0,27	0,26	0,30	0,28	0,28	0,27	0,27	0,26	0,29	0,27	0,27	0,27	0,26	0,26
10	0,58	0,57	0,55	0,54	0,53	0,53	0,46	0,43	0,41	0,38	0,36	0,34	0,40	0,37	0,35	0,33	0,31	0,29	0,37	0,34	0,32	0,30	0,29	0,28	0,35	0,32	0,30	0,29	0,28	0,27
15	0,68	0,67	0,66	0,66	0,65	0,66	0,55	0,53	0,50	0,48	0,46	0,45	0,48	0,45	0,42	0,39	0,37	0,34	0,43	0,40	0,37	0,35	0,32	0,31	0,40	0,37	0,34	0,32	0,31	0,29
20							0,62	0,60	0,58	0,56	0,55	0,54	0,54	0,51	0,48	0,46	0,44	0,42	0,48	0,45	0,42	0,40	0,37	0,35	0,45	0,41	0,38	0,36	0,34	0,31
25							0,67	0,65	0,64	0,63	0,62	0,62	0,59	0,57	0,54	0,52	0,50	0,49	0,53	0,50	0,47	0,45	0,42	0,40	0,49	0,46	0,43	0,40	0,37	0,35
30								0,70	0,69	0,68	0,67	0,67	0,64	0,61	0,59	0,57	0,56	0,55	0,58	0,55	0,52	0,50	0,48	0,46	0,53	0,50	0,47	0,44	0,42	0,39
35													0,67	0,65	0,63	0,62	0,61	0,60	0,61	0,59	0,56	0,54	0,52	0,51	0,56	0,53	0,51	0,48	0,46	0,44
40														0,68	0,67	0,65	0,65	0,64	0,64	0,62	0,60	0,58	0,56	0,55	0,60	0,57	0,54	0,52	0,50	0,48

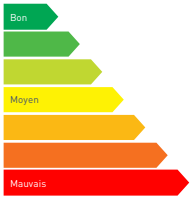
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	12%	8%	5%	2%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	35%	33%	31%	29%	28%	27%	17%	13%	8%	4%	1%	0%	8%	4%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
15	45%	43%	42%	42%	42%	42%	31%	28%	25%	20%	17%	14%	20%	15%	10%	6%	1%	0%	11%	7%	3%	0%	0%	0%	7%	4%	0%	0%	0%	0%
20	54%	54%	54%	54%	53%	53%	38%	37%	34%	32%	31%	30%	29%	26%	20%	16%	12%	9%	21%	16%	10%	6%	2%	0%	15%	9%	4%	1%	0%	0%
25	58%	58%	57%	57%	57%	57%	44%	42%	41%	40%	39%	38%	35%	33%	30%	27%	24%	21%	28%	25%	19%	14%	10%	6%	22%	17%	11%	6%	2%	0%
30	60%	59%	59%	59%	59%	59%	51%	50%	47%	46%	45%	44%	40%	38%	36%	33%	32%	31%	34%	31%	27%	23%	18%	15%	28%	23%	18%	13%	9%	5%
35	61%	61%	61%	61%	61%	61%	55%	55%	54%	53%	53%	52%	44%	42%	40%	39%	37%	37%	38%	36%	32%	30%	27%	24%	33%	29%	24%	19%	16%	12%
40	63%	63%	63%	63%	63%	63%	57%	57%	56%	56%	55%	55%	49%	47%	44%	43%	41%	41%	41%	39%	37%	35%	32%	31%	36%	33%	30%	26%	23%	19%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	42%	44%	45%	46%	48%	49%	47%	49%	50%	50%	51%	51%	49%	50%	51%	51%	52%	52%	50%	51%	51%	52%	52%	52%	51%	52%	52%	52%	52%	52%
10	30%	31%	33%	34%	34%	34%	40%	42%	44%	45%	47%	48%	44%	46%	48%	49%	50%	50%	46%	48%	49%	50%	51%	51%	48%	49%	50%	51%	51%	52%
15	23%	24%	24%	25%	25%	24%	33%	35%	37%	38%	40%	41%	39%	41%	43%	45%	46%	48%	42%	45%	46%	48%	49%	50%	44%	47%	48%	49%	50%	51%
20	18%	18%	19%	19%	19%	18%	27%	29%	31%	32%	33%	33%	34%	36%	38%	40%	42%	43%	38%	41%	43%	45%	46%	47%	41%	43%	45%	47%	48%	49%
25	14%	15%	15%	15%	15%	15%	23%	25%	26%	27%	28%	28%	30%	32%	34%	36%	37%	38%	34%	37%	39%	41%	43%	44%	38%	40%	43%	44%	46%	47%
30	12%	13%	13%	13%	12%	12%	20%	21%	23%	23%	24%	23%	26%	28%	30%	31%	32%	33%	31%	34%	36%	37%	39%	40%	35%	37%	40%	42%	43%	45%
35	10%	11%	11%	11%	11%	10%	18%	19%	20%	20%	20%	20%	23%	25%	27%	28%	29%	29%	28%	31%	33%	34%	35%	36%	32%	35%	37%	39%	40%	42%
40	9%	9%	9%	9%	9%	9%	15%	17%	17%	18%	18%	18%	21%	23%	24%	25%	26%	26%	26%	28%	30%	31%	32%	33%	30%	32%	34%	36%	37%	38%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

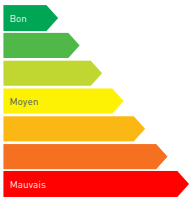
Météo : Mayotte
Orientation : NORD
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,64	0,63	0,61	0,60	0,58	0,57	0,58	0,56	0,55	0,54	0,53	0,52	0,55	0,54	0,53	0,53	0,52	0,51	0,54	0,53	0,53	0,52	0,52	0,51	0,53	0,52	0,52	0,52	0,51	0,51
10							0,67	0,65	0,63	0,62	0,60	0,58	0,62	0,60	0,59	0,57	0,56	0,54	0,59	0,58	0,56	0,55	0,54	0,53	0,58	0,56	0,55	0,54	0,53	0,52
15										0,69	0,68	0,66	0,68	0,66	0,64	0,63	0,61	0,59	0,64	0,62	0,61	0,59	0,57	0,55	0,62	0,60	0,58	0,57	0,55	0,54
20															0,69	0,68	0,66	0,64	0,68	0,67	0,65	0,63	0,61	0,59	0,66	0,64	0,62	0,60	0,58	0,56
25																		0,69			0,69	0,67	0,65	0,63	0,69	0,67	0,65	0,63	0,61	0,59
30																							0,69	0,67		0,70	0,68	0,66	0,65	0,63
35																												0,69	0,68	0,66
40																														0,69

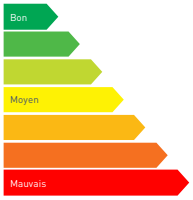
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	59%	59%	58%	56%	55%	53%	54%	53%	50%	50%	47%	45%	50%	48%	48%	46%	45%	43%	47%	48%	45%	45%	42%	42%	42%	48%	43%	45%	41%	42%
10	69%	69%	68%	68%	67%	67%	62%	60%	59%	58%	56%	55%	58%	57%	55%	53%	52%	49%	55%	55%	52%	51%	48%	47%	54%	52%	50%	49%	47%	45%
15	73%	73%	72%	72%	72%	72%	68%	67%	66%	64%	62%	61%	63%	62%	59%	58%	57%	55%	59%	58%	57%	55%	53%	51%	57%	57%	54%	53%	51%	48%
20	75%	75%	75%	75%	75%	75%	71%	70%	69%	69%	68%	68%	68%	66%	64%	62%	61%	59%	64%	62%	60%	58%	57%	55%	61%	59%	58%	57%	54%	52%
25	76%	76%	76%	76%	76%	76%	73%	72%	72%	71%	71%	71%	70%	69%	68%	67%	66%	64%	67%	66%	64%	62%	60%	59%	64%	62%	60%	59%	57%	55%
30	77%	77%	77%	77%	77%	77%	75%	74%	74%	73%	73%	73%	72%	71%	70%	69%	68%	68%	69%	68%	67%	65%	63%	62%	67%	65%	63%	61%	59%	58%
35	78%	78%	77%	77%	77%	77%	76%	75%	75%	75%	74%	74%	73%	72%	71%	71%	71%	70%	71%	70%	69%	68%	67%	66%	69%	68%	66%	64%	62%	61%
40	78%	78%	78%	78%	78%	78%	76%	76%	76%	76%	75%	75%	74%	74%	73%	72%	72%	72%	72%	71%	70%	69%	69%	68%	70%	69%	68%	67%	65%	64%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	29%	30%	30%	31%	32%	32%	32%	33%	33%	34%	34%	34%	33%	34%	34%	34%	34%	35%	34%	34%	34%	35%	35%	35%	34%	34%	35%	35%	35%	35%
10	21%	22%	23%	23%	24%	24%	28%	28%	29%	30%	31%	32%	30%	31%	32%	32%	33%	34%	31%	32%	33%	33%	34%	34%	32%	33%	33%	34%	34%	34%
15	16%	16%	17%	17%	17%	16%	24%	25%	26%	26%	27%	28%	27%	28%	29%	30%	31%	32%	29%	30%	31%	32%	32%	33%	30%	31%	32%	33%	33%	34%
20	12%	13%	13%	13%	13%	12%	20%	21%	22%	22%	23%	23%	24%	25%	26%	27%	28%	29%	27%	28%	29%	30%	31%	31%	28%	29%	30%	31%	32%	33%
25	10%	10%	10%	10%	10%	10%	17%	18%	18%	19%	19%	19%	22%	23%	24%	25%	25%	26%	25%	26%	27%	28%	29%	29%	27%	28%	29%	29%	30%	31%
30	8%	8%	9%	8%	8%	8%	14%	15%	16%	16%	16%	16%	19%	20%	21%	22%	22%	23%	23%	24%	25%	26%	27%	27%	25%	26%	27%	28%	29%	30%
35	7%	7%	7%	7%	7%	7%	12%	13%	14%	14%	14%	14%	17%	18%	19%	20%	20%	20%	21%	22%	23%	24%	25%	25%	23%	25%	26%	26%	27%	28%
40	6%	6%	6%	6%	6%	6%	11%	12%	12%	12%	12%	12%	15%	16%	17%	17%	18%	18%	19%	20%	21%	22%	22%	22%	22%	23%	24%	25%	26%	26%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

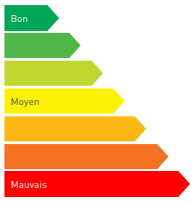
Météo : Mayotte
Orientation : NORD-EST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,61	0,59	0,58	0,57	0,55	0,57	0,55	0,54	0,53	0,53	0,52	0,55	0,53	0,52	0,52	0,52	0,51	0,54	0,52	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51
10				0,70	0,69	0,69	0,65	0,63	0,61	0,59	0,58	0,56	0,61	0,59	0,57	0,55	0,54	0,53	0,58	0,56	0,55	0,54	0,53	0,52	0,57	0,55	0,54	0,53	0,52	0,52
15								0,69	0,68	0,66	0,65	0,64	0,66	0,64	0,62	0,60	0,58	0,57	0,63	0,60	0,59	0,57	0,55	0,54	0,60	0,58	0,56	0,55	0,54	0,53
20													0,70	0,68	0,66	0,65	0,63	0,62	0,66	0,64	0,62	0,61	0,59	0,57	0,64	0,62	0,60	0,58	0,56	0,55
25																0,69	0,68	0,67	0,69	0,68	0,66	0,64	0,62	0,61	0,67	0,65	0,63	0,61	0,59	0,57
30																					0,69	0,67	0,66	0,65	0,69	0,67	0,65	0,64	0,62	0,60
35																							0,69	0,68		0,70	0,68	0,66	0,65	0,63
40																												0,69	0,67	0,66

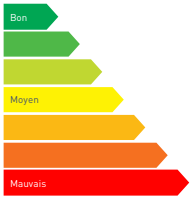
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	58%	57%	56%	54%	53%	52%	53%	52%	50%	50%	49%	49%	51%	50%	50%	49%	49%	49%	50%	50%	49%	49%	49%	49%	49%	50%	49%	49%	48%	49%
10	65%	64%	64%	63%	63%	62%	60%	59%	57%	56%	54%	53%	56%	55%	53%	52%	51%	50%	54%	53%	51%	51%	50%	49%	53%	51%	50%	50%	49%	49%
15	70%	69%	69%	69%	69%	69%	63%	63%	62%	61%	60%	59%	60%	59%	58%	56%	54%	53%	58%	57%	54%	53%	52%	51%	56%	54%	53%	52%	51%	50%
20	72%	72%	72%	72%	72%	72%	67%	66%	65%	65%	64%	63%	63%	62%	61%	60%	59%	58%	61%	60%	58%	56%	55%	53%	59%	57%	56%	54%	52%	51%
25	73%	73%	73%	73%	73%	73%	70%	69%	68%	68%	67%	67%	66%	65%	64%	63%	62%	61%	63%	62%	61%	60%	58%	57%	61%	60%	58%	56%	55%	53%
30	74%	74%	74%	74%	74%	74%	71%	71%	71%	70%	70%	70%	68%	67%	66%	65%	65%	64%	65%	64%	63%	62%	61%	60%	62%	62%	60%	59%	58%	56%
35	75%	75%	75%	75%	75%	75%	72%	72%	72%	72%	71%	71%	70%	69%	68%	68%	67%	66%	67%	66%	65%	64%	63%	62%	64%	63%	62%	61%	60%	59%
40	75%	75%	75%	75%	75%	75%	73%	73%	72%	72%	72%	72%	71%	71%	70%	69%	69%	68%	68%	68%	66%	66%	65%	64%	66%	65%	64%	63%	62%	61%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	30%	31%	31%	32%	33%	32%	33%	34%	34%	35%	35%	34%	34%	35%	35%	35%	35%	34%	35%	35%	35%	35%	36%	35%	35%	35%	35%	36%	36%
10	20%	21%	22%	23%	23%	23%	27%	28%	30%	31%	32%	32%	30%	31%	32%	33%	34%	34%	31%	33%	34%	34%	34%	35%	32%	34%	34%	34%	35%	35%
15	15%	16%	16%	16%	16%	16%	22%	24%	25%	26%	27%	27%	26%	28%	29%	30%	31%	32%	29%	30%	31%	32%	33%	34%	30%	31%	33%	33%	34%	34%
20	12%	12%	13%	13%	12%	12%	18%	20%	21%	22%	22%	22%	23%	24%	26%	27%	28%	29%	26%	27%	29%	30%	31%	32%	28%	29%	31%	32%	33%	33%
25	9%	10%	10%	10%	10%	10%	16%	17%	17%	18%	18%	18%	20%	22%	23%	24%	25%	25%	23%	25%	26%	28%	29%	30%	26%	27%	29%	30%	31%	32%
30	8%	8%	8%	8%	8%	8%	13%	14%	15%	15%	16%	16%	18%	19%	20%	21%	22%	22%	21%	23%	24%	25%	26%	27%	24%	25%	27%	28%	29%	30%
35	7%	7%	7%	7%	7%	6%	12%	12%	13%	13%	13%	13%	16%	17%	18%	19%	19%	19%	19%	21%	22%	23%	24%	24%	22%	23%	25%	26%	27%	28%
40	6%	6%	6%	6%	6%	5%	10%	11%	11%	12%	12%	12%	14%	15%	16%	17%	17%	17%	17%	19%	20%	21%	22%	22%	20%	22%	23%	24%	25%	26%



by B MALET-DAMOUR & G RIVIERE

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EST

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Météo : Mayotte
Orientation : EST
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Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,59	0,57	0,56	0,55	0,56	0,55	0,53	0,53	0,52	0,52	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51
10				0,70	0,69	0,69	0,64	0,62	0,60	0,59	0,57	0,56	0,60	0,58	0,56	0,55	0,54	0,53	0,58	0,56	0,54	0,53	0,53	0,52	0,56	0,54	0,53	0,53	0,52	0,51
15								0,69	0,67	0,65	0,64	0,63	0,65	0,63	0,61	0,59	0,57	0,56	0,62	0,60	0,58	0,56	0,55	0,53	0,60	0,58	0,56	0,54	0,53	0,53
20												0,70	0,70	0,68	0,66	0,64	0,62	0,61	0,66	0,63	0,61	0,59	0,58	0,56	0,63	0,61	0,59	0,57	0,55	0,54
25															0,70	0,68	0,67	0,66	0,69	0,67	0,65	0,63	0,61	0,60	0,66	0,64	0,62	0,60	0,58	0,56
30																					0,68	0,66	0,65	0,64	0,69	0,67	0,64	0,63	0,61	0,59
35																						0,69	0,68	0,67		0,69	0,67	0,65	0,64	0,62
40																											0,70	0,68	0,66	0,65

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	64%	64%	63%	62%	60%	58%	60%	58%	57%	57%	56%	56%	57%	56%	56%	56%	55%	55%	56%	56%	56%	56%	55%	55%	55%	56%	55%	56%	55%	55%
10	72%	72%	71%	71%	70%	70%	66%	65%	64%	63%	61%	59%	63%	63%	60%	58%	57%	56%	62%	59%	57%	57%	56%	56%	60%	57%	57%	56%	56%	55%
15	75%	75%	74%	74%	74%	74%	71%	70%	69%	68%	67%	66%	67%	66%	65%	64%	62%	60%	65%	64%	62%	59%	58%	57%	63%	62%	59%	58%	57%	56%
20	77%	77%	77%	77%	77%	77%	73%	73%	72%	72%	71%	71%	71%	70%	69%	67%	66%	65%	67%	67%	65%	64%	62%	60%	66%	65%	63%	60%	58%	58%
25	78%	78%	78%	78%	78%	78%	75%	75%	74%	74%	73%	73%	73%	72%	71%	71%	70%	69%	70%	69%	68%	67%	65%	64%	68%	67%	66%	64%	62%	60%
30	79%	79%	79%	79%	79%	79%	77%	76%	76%	75%	75%	75%	74%	73%	73%	72%	72%	71%	72%	71%	70%	69%	68%	67%	70%	69%	68%	67%	65%	63%
35	79%	79%	79%	79%	79%	79%	78%	77%	77%	77%	77%	76%	75%	75%	74%	74%	73%	73%	73%	73%	72%	71%	71%	70%	72%	71%	70%	69%	67%	66%
40	80%	80%	80%	80%	80%	80%	78%	78%	78%	78%	77%	77%	77%	76%	75%	74%	74%	74%	74%	74%	73%	73%	72%	72%	73%	72%	71%	71%	70%	68%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	29%	30%	31%	32%	32%	32%	33%	33%	34%	34%	35%	33%	34%	34%	35%	35%	35%	34%	34%	35%	35%	35%	35%	34%	35%	35%	35%	35%	35%
10	19%	20%	21%	22%	22%	22%	26%	27%	29%	30%	31%	32%	29%	31%	32%	33%	33%	34%	31%	32%	33%	34%	34%	34%	32%	33%	34%	34%	34%	35%
15	14%	15%	16%	16%	16%	16%	21%	23%	24%	25%	26%	27%	25%	27%	28%	30%	31%	32%	28%	29%	31%	32%	33%	33%	29%	31%	32%	33%	33%	34%
20	11%	12%	12%	12%	12%	12%	18%	19%	20%	21%	21%	22%	22%	24%	25%	26%	27%	28%	25%	27%	28%	29%	31%	32%	27%	29%	30%	31%	32%	33%
25	9%	9%	10%	10%	10%	9%	15%	16%	17%	17%	18%	18%	19%	21%	22%	23%	24%	24%	22%	24%	25%	27%	28%	29%	25%	26%	28%	29%	30%	31%
30	8%	8%	8%	8%	8%	8%	13%	14%	14%	15%	15%	15%	17%	18%	19%	20%	21%	21%	20%	22%	23%	24%	25%	26%	23%	24%	26%	27%	28%	29%
35	6%	7%	7%	7%	7%	6%	11%	12%	12%	13%	13%	13%	15%	16%	17%	18%	18%	19%	18%	20%	21%	22%	23%	23%	21%	22%	24%	25%	26%	27%
40	5%	6%	6%	6%	6%	5%	10%	10%	11%	11%	11%	11%	13%	15%	15%	16%	16%	17%	16%	18%	19%	20%	21%	21%	19%	21%	22%	23%	24%	25%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

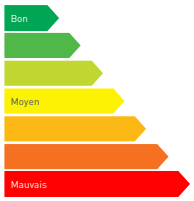
Météo : Mayotte
Orientation : SUD-EST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,61	0,59	0,58	0,56	0,55	0,57	0,55	0,54	0,53	0,52	0,52	0,55	0,53	0,52	0,52	0,52	0,51	0,54	0,52	0,52	0,51	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51
10				0,70	0,69	0,69	0,64	0,63	0,61	0,59	0,58	0,56	0,60	0,58	0,57	0,55	0,54	0,53	0,58	0,56	0,55	0,54	0,53	0,52	0,57	0,55	0,53	0,53	0,52	0,52
15								0,69	0,67	0,66	0,65	0,63	0,65	0,63	0,62	0,60	0,58	0,56	0,62	0,60	0,58	0,57	0,55	0,54	0,60	0,58	0,56	0,55	0,54	0,53
20												0,70	0,70	0,68	0,66	0,64	0,63	0,61	0,66	0,64	0,62	0,60	0,58	0,57	0,64	0,61	0,59	0,57	0,56	0,54
25															0,70	0,69	0,67	0,66	0,69	0,67	0,65	0,64	0,62	0,60	0,66	0,64	0,62	0,60	0,59	0,57
30																					0,69	0,67	0,65	0,64	0,69	0,67	0,65	0,63	0,61	0,60
35																						0,70	0,69	0,68		0,69	0,68	0,66	0,64	0,63
40																											0,70	0,68	0,67	0,66

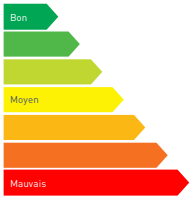
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	66%	65%	64%	63%	62%	60%	61%	60%	59%	59%	58%	57%	59%	58%	58%	58%	57%	56%	58%	58%	57%	57%	56%	56%	56%	58%	56%	57%	56%	56%
10	73%	73%	72%	72%	71%	71%	68%	67%	66%	64%	63%	61%	64%	64%	61%	60%	59%	58%	62%	61%	59%	59%	58%	58%	61%	59%	59%	58%	58%	57%
15	76%	76%	76%	76%	76%	76%	72%	72%	71%	70%	69%	68%	69%	68%	66%	65%	63%	61%	66%	65%	63%	62%	60%	59%	64%	63%	61%	60%	59%	58%
20	78%	77%	77%	77%	77%	77%	75%	74%	74%	73%	72%	72%	72%	71%	70%	69%	68%	66%	69%	69%	67%	65%	63%	62%	67%	66%	64%	62%	61%	59%
25	79%	78%	78%	78%	78%	78%	76%	76%	76%	75%	75%	74%	74%	73%	72%	72%	71%	70%	72%	71%	69%	69%	67%	65%	70%	69%	67%	66%	64%	62%
30	80%	79%	79%	79%	79%	79%	77%	77%	76%	76%	76%	76%	75%	75%	74%	73%	73%	72%	74%	73%	71%	71%	69%	69%	72%	71%	69%	68%	67%	65%
35	80%	80%	80%	80%	80%	80%	78%	78%	77%	77%	77%	77%	76%	76%	75%	75%	74%	74%	75%	74%	73%	72%	72%	71%	73%	72%	71%	70%	69%	68%
40	80%	80%	80%	80%	80%	80%	78%	78%	78%	78%	78%	78%	77%	77%	76%	76%	76%	75%	76%	75%	74%	74%	73%	72%	74%	73%	72%	71%	71%	69%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	24%	25%	25%	26%	27%	28%	27%	28%	29%	29%	30%	30%	29%	29%	30%	30%	30%	31%	29%	30%	30%	30%	31%	31%	30%	30%	30%	30%	31%	31%
10	17%	18%	18%	19%	19%	19%	22%	23%	24%	25%	26%	27%	25%	26%	27%	28%	28%	29%	27%	27%	28%	29%	29%	30%	27%	28%	29%	29%	30%	30%
15	13%	13%	14%	14%	14%	14%	18%	19%	20%	21%	22%	22%	22%	23%	24%	25%	26%	27%	24%	25%	26%	27%	28%	28%	25%	26%	27%	28%	29%	29%
20	10%	11%	11%	11%	11%	10%	16%	16%	17%	18%	18%	18%	19%	20%	21%	22%	23%	24%	21%	23%	24%	25%	26%	27%	23%	24%	25%	26%	27%	28%
25	8%	9%	9%	9%	9%	8%	13%	14%	14%	15%	15%	15%	17%	18%	19%	19%	20%	21%	19%	20%	21%	22%	23%	24%	21%	22%	23%	24%	25%	27%
30	7%	7%	7%	7%	7%	7%	11%	12%	13%	13%	13%	13%	15%	16%	16%	17%	18%	18%	18%	18%	19%	20%	21%	22%	20%	21%	22%	23%	24%	25%
35	6%	6%	6%	6%	6%	5%	10%	11%	11%	11%	11%	11%	13%	14%	15%	15%	16%	16%	16%	17%	18%	18%	19%	20%	18%	19%	20%	21%	22%	23%
40	5%	5%	5%	5%	5%	5%	9%	9%	10%	10%	10%	10%	12%	13%	13%	14%	14%	14%	15%	15%	16%	17%	17%	18%	17%	18%	19%	19%	20%	21%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

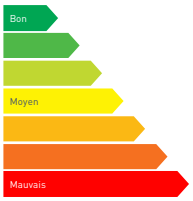
Météo : Mayotte
Orientation : SUD
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,63	0,62	0,61	0,59	0,58	0,56	0,58	0,56	0,55	0,54	0,53	0,52	0,55	0,54	0,53	0,53	0,52	0,51	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,52	0,51	0,51
10							0,66	0,64	0,63	0,61	0,59	0,58	0,62	0,60	0,58	0,57	0,55	0,54	0,59	0,57	0,56	0,55	0,54	0,53	0,58	0,56	0,54	0,54	0,53	0,52
15									0,70	0,68	0,67	0,66	0,67	0,65	0,64	0,62	0,60	0,58	0,64	0,62	0,60	0,58	0,57	0,55	0,62	0,60	0,58	0,56	0,55	0,54
20															0,68	0,67	0,65	0,64	0,68	0,66	0,64	0,62	0,60	0,58	0,65	0,63	0,61	0,59	0,57	0,56
25																	0,70	0,69		0,70	0,68	0,66	0,64	0,63	0,68	0,66	0,64	0,63	0,61	0,59
30																						0,69	0,68	0,67		0,69	0,67	0,66	0,64	0,62
35																												0,68	0,67	0,65
40																													0,70	0,68

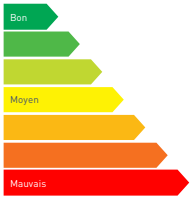
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	68%	66%	64%	63%	61%	60%	61%	60%	58%	57%	54%	50%	58%	56%	54%	52%	49%	47%	53%	55%	51%	51%	47%	46%	47%	54%	47%	50%	46%	46%
10	75%	75%	74%	74%	73%	73%	70%	68%	66%	64%	62%	61%	65%	63%	62%	60%	59%	56%	62%	61%	59%	59%	56%	52%	61%	59%	58%	57%	53%	49%
15	79%	78%	78%	77%	77%	77%	74%	73%	72%	71%	69%	69%	70%	69%	67%	65%	63%	61%	68%	65%	63%	62%	60%	59%	65%	63%	61%	60%	59%	56%
20	80%	80%	80%	80%	80%	80%	76%	76%	75%	75%	74%	74%	74%	72%	71%	70%	68%	66%	71%	69%	68%	65%	63%	62%	69%	67%	64%	62%	61%	60%
25	81%	81%	81%	81%	80%	81%	78%	78%	77%	76%	76%	76%	76%	75%	74%	73%	72%	71%	73%	72%	70%	69%	67%	65%	71%	70%	68%	65%	63%	62%
30	82%	81%	81%	81%	81%	81%	80%	79%	79%	78%	78%	78%	77%	76%	76%	75%	74%	74%	75%	74%	73%	71%	70%	69%	73%	72%	70%	69%	66%	64%
35	82%	82%	82%	82%	82%	82%	80%	80%	80%	80%	79%	79%	78%	78%	77%	76%	76%	76%	76%	76%	75%	74%	73%	72%	75%	74%	72%	71%	69%	68%
40	82%	82%	82%	82%	82%	82%	81%	80%	80%	80%	80%	80%	79%	79%	78%	77%	77%	77%	77%	76%	76%	75%	74%	74%	76%	75%	74%	73%	71%	70%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	20%	21%	21%	22%	23%	23%	23%	24%	24%	25%	25%	26%	25%	25%	26%	26%	26%	27%	25%	26%	26%	26%	26%	27%	26%	26%	26%	26%	27%	27%
10	14%	15%	15%	15%	16%	16%	19%	19%	20%	21%	22%	23%	21%	22%	23%	23%	24%	25%	23%	23%	24%	25%	25%	26%	23%	24%	25%	25%	26%	26%
15	11%	11%	11%	11%	11%	11%	15%	16%	16%	17%	18%	18%	18%	19%	20%	20%	21%	22%	20%	21%	22%	22%	23%	24%	21%	22%	23%	24%	24%	25%
20	9%	9%	9%	9%	9%	9%	13%	13%	14%	14%	15%	15%	16%	16%	17%	18%	19%	19%	18%	19%	19%	20%	21%	22%	19%	20%	21%	22%	23%	24%
25	7%	7%	7%	7%	7%	7%	11%	11%	12%	12%	12%	12%	14%	14%	15%	16%	16%	17%	16%	17%	17%	18%	19%	20%	18%	18%	19%	20%	21%	22%
30	6%	6%	6%	6%	6%	6%	10%	10%	10%	10%	11%	11%	12%	13%	13%	14%	14%	15%	14%	15%	16%	16%	17%	18%	16%	17%	18%	18%	19%	20%
35	5%	5%	5%	5%	5%	5%	9%	9%	9%	9%	9%	9%	11%	11%	12%	12%	13%	13%	13%	14%	14%	15%	15%	16%	15%	15%	16%	17%	18%	18%
40	5%	5%	5%	5%	4%	4%	8%	8%	8%	8%	8%	8%	10%	10%	11%	11%	11%	11%	12%	13%	13%	13%	14%	14%	14%	14%	15%	16%	16%	17%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

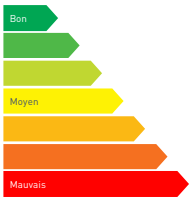
Météo : Mayotte
Orientation : OUEST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,58	0,57	0,55	0,54	0,56	0,54	0,53	0,52	0,52	0,51	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51	0,53	0,51	0,51	0,51	0,51	0,50
10				0,69	0,69	0,69	0,64	0,62	0,60	0,58	0,56	0,55	0,60	0,57	0,56	0,54	0,53	0,52	0,58	0,55	0,54	0,53	0,52	0,52	0,56	0,54	0,53	0,52	0,52	0,51
15								0,69	0,67	0,65	0,64	0,63	0,65	0,63	0,60	0,59	0,57	0,55	0,62	0,59	0,57	0,55	0,54	0,53	0,60	0,57	0,55	0,54	0,53	0,52
20												0,70	0,70	0,68	0,65	0,63	0,62	0,60	0,66	0,63	0,61	0,59	0,57	0,55	0,63	0,60	0,58	0,56	0,55	0,54
25															0,70	0,68	0,67	0,66	0,70	0,67	0,65	0,63	0,61	0,59	0,66	0,64	0,61	0,59	0,57	0,56
30																					0,68	0,66	0,65	0,63	0,69	0,67	0,64	0,62	0,60	0,59
35																						0,69	0,68	0,67		0,69	0,67	0,65	0,63	0,62
40																											0,69	0,68	0,66	0,65

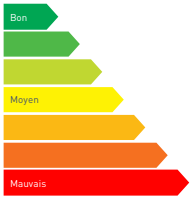
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	69%	68%	67%	67%	65%	64%	64%	64%	63%	63%	62%	61%	63%	62%	62%	62%	61%	61%	62%	62%	62%	62%	61%	61%	61%	62%	61%	61%	61%	61%
10	75%	74%	74%	74%	73%	73%	70%	70%	69%	68%	66%	65%	67%	67%	65%	64%	63%	62%	65%	65%	63%	63%	62%	62%	64%	63%	63%	62%	62%	61%
15	78%	78%	77%	77%	77%	77%	74%	73%	73%	73%	71%	71%	71%	71%	70%	68%	67%	65%	69%	68%	67%	65%	64%	63%	67%	66%	65%	64%	63%	62%
20	79%	79%	79%	79%	79%	79%	76%	76%	75%	75%	74%	74%	73%	73%	72%	72%	71%	70%	71%	71%	70%	68%	67%	65%	70%	69%	68%	66%	65%	63%
25	80%	80%	80%	80%	80%	80%	78%	77%	77%	77%	76%	76%	75%	75%	74%	74%	73%	73%	73%	73%	72%	71%	70%	69%	71%	71%	70%	69%	67%	66%
30	81%	81%	81%	81%	81%	81%	79%	78%	78%	78%	78%	78%	77%	76%	76%	75%	75%	74%	75%	74%	73%	73%	72%	71%	73%	73%	72%	71%	70%	68%
35	81%	81%	81%	81%	81%	81%	80%	79%	79%	79%	79%	79%	78%	77%	77%	76%	76%	76%	76%	76%	75%	74%	74%	73%	74%	74%	73%	73%	72%	70%
40	82%	81%	81%	81%	81%	82%	80%	80%	80%	80%	80%	79%	78%	78%	78%	78%	77%	77%	77%	76%	76%	76%	75%	74%	75%	75%	74%	74%	73%	73%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	29%	30%	31%	32%	33%	32%	33%	34%	34%	35%	35%	33%	34%	35%	35%	35%	36%	34%	35%	35%	35%	36%	36%	35%	35%	35%	36%	36%	36%
10	19%	20%	21%	22%	22%	22%	26%	28%	29%	31%	32%	33%	29%	31%	32%	33%	34%	34%	31%	33%	34%	34%	35%	35%	32%	34%	34%	35%	35%	35%
15	14%	15%	15%	16%	16%	16%	21%	23%	24%	25%	26%	27%	25%	27%	29%	30%	31%	32%	28%	30%	31%	32%	33%	34%	30%	31%	33%	33%	34%	35%
20	11%	11%	12%	12%	12%	12%	17%	19%	20%	21%	21%	22%	22%	24%	25%	27%	28%	29%	25%	27%	29%	30%	31%	32%	27%	29%	31%	32%	33%	34%
25	9%	9%	9%	9%	9%	9%	15%	16%	17%	17%	18%	18%	19%	21%	22%	23%	24%	25%	22%	24%	26%	27%	28%	29%	25%	27%	28%	30%	31%	32%
30	7%	8%	8%	8%	8%	7%	12%	13%	14%	15%	15%	15%	17%	18%	19%	20%	21%	21%	20%	22%	23%	25%	26%	27%	22%	24%	26%	28%	29%	30%
35	6%	6%	6%	6%	6%	5%	11%	12%	12%	13%	13%	13%	15%	16%	17%	18%	18%	19%	18%	20%	21%	22%	23%	24%	20%	22%	24%	25%	27%	28%
40	5%	5%	5%	5%	5%	5%	9%	10%	11%	11%	11%	11%	13%	14%	15%	16%	16%	16%	16%	18%	19%	20%	21%	21%	19%	21%	22%	23%	24%	25%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 50%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

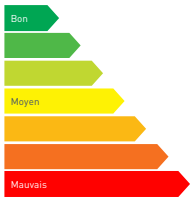
Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 50 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	0,62	0,60	0,59	0,58	0,56	0,55	0,57	0,55	0,54	0,53	0,52	0,52	0,54	0,53	0,52	0,52	0,51	0,51	0,53	0,52	0,52	0,51	0,51	0,51	0,53	0,52	0,51	0,51	0,51	0,51
10				0,69	0,69	0,69	0,64	0,62	0,60	0,59	0,57	0,56	0,60	0,58	0,56	0,55	0,54	0,53	0,58	0,56	0,54	0,54	0,53	0,52	0,56	0,54	0,53	0,53	0,52	0,52
15								0,68	0,67	0,65	0,64	0,63	0,65	0,63	0,61	0,59	0,58	0,56	0,62	0,60	0,58	0,56	0,55	0,54	0,60	0,58	0,56	0,55	0,54	0,53
20												0,70	0,69	0,67	0,66	0,64	0,63	0,61	0,66	0,64	0,62	0,60	0,58	0,56	0,63	0,61	0,59	0,57	0,56	0,54
25															0,69	0,68	0,67	0,66	0,69	0,67	0,65	0,63	0,62	0,60	0,66	0,64	0,62	0,60	0,58	0,57
30																				0,70	0,68	0,66	0,65	0,64	0,69	0,67	0,65	0,63	0,61	0,60
35																						0,69	0,68	0,67		0,69	0,67	0,65	0,64	0,63
40																											0,69	0,68	0,67	0,65

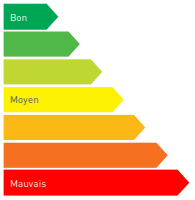
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	64%	64%	62%	61%	59%	58%	59%	58%	57%	57%	56%	55%	57%	56%	56%	55%	55%	55%	56%	56%	55%	55%	55%	55%	55%	56%	55%	55%	55%	55%
10	72%	72%	71%	71%	70%	70%	67%	66%	64%	63%	61%	59%	63%	62%	59%	58%	58%	57%	60%	59%	58%	58%	56%	56%	59%	58%	57%	57%	56%	55%
15	75%	75%	75%	74%	74%	74%	71%	71%	70%	69%	68%	67%	68%	67%	65%	64%	61%	59%	65%	63%	61%	60%	58%	58%	62%	61%	59%	58%	58%	56%
20	77%	76%	76%	76%	76%	76%	73%	73%	72%	72%	71%	71%	71%	70%	69%	68%	67%	65%	69%	68%	66%	64%	62%	60%	66%	65%	63%	61%	59%	58%
25	78%	78%	78%	77%	77%	77%	75%	75%	74%	74%	73%	73%	73%	72%	71%	70%	70%	69%	71%	70%	69%	67%	66%	64%	69%	68%	66%	64%	62%	60%
30	78%	78%	78%	78%	78%	78%	76%	76%	76%	75%	75%	75%	74%	73%	73%	72%	72%	71%	72%	71%	70%	70%	69%	68%	71%	70%	69%	67%	65%	63%
35	79%	78%	78%	78%	78%	78%	77%	76%	76%	76%	76%	76%	75%	75%	74%	74%	73%	73%	73%	73%	72%	71%	70%	70%	72%	71%	70%	69%	68%	67%
40	79%	79%	79%	79%	79%	79%	78%	77%	77%	77%	77%	77%	76%	76%	75%	75%	74%	74%	74%	74%	73%	72%	72%	71%	73%	72%	71%	70%	70%	69%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	28%	30%	31%	32%	32%	33%	32%	33%	34%	35%	35%	35%	34%	35%	35%	35%	35%	36%	34%	35%	35%	35%	36%	36%	35%	35%	35%	36%	36%	36%
10	20%	21%	22%	23%	23%	23%	27%	28%	30%	31%	32%	33%	30%	31%	33%	33%	34%	34%	31%	33%	34%	34%	35%	35%	32%	34%	34%	35%	35%	35%
15	15%	16%	16%	16%	16%	16%	22%	23%	25%	26%	27%	27%	26%	28%	29%	31%	32%	33%	29%	30%	32%	33%	33%	34%	30%	32%	33%	34%	34%	35%
20	11%	12%	12%	12%	12%	12%	18%	19%	21%	21%	22%	22%	23%	24%	26%	27%	28%	29%	26%	28%	29%	30%	31%	32%	28%	29%	31%	32%	33%	34%
25	9%	10%	10%	10%	10%	9%	15%	16%	17%	18%	18%	18%	20%	21%	23%	24%	25%	25%	23%	25%	26%	28%	29%	30%	25%	27%	29%	30%	31%	32%
30	8%	8%	8%	8%	8%	8%	13%	14%	15%	15%	15%	15%	17%	19%	20%	21%	22%	22%	21%	23%	24%	25%	26%	27%	23%	25%	27%	28%	29%	30%
35	6%	7%	7%	7%	7%	6%	11%	12%	13%	13%	13%	13%	15%	17%	18%	19%	19%	19%	19%	20%	22%	23%	24%	24%	21%	23%	25%	26%	27%	28%
40	5%	6%	6%	6%	6%	5%	10%	11%	11%	12%	12%	11%	14%	15%	16%	17%	17%	17%	17%	19%	20%	21%	22%	22%	20%	21%	23%	24%	25%	26%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

NORD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : Mayotte
Orientation : NORD
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	90%	90%	90%	89%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
10	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	90%	89%	89%	89%	89%	90%	89%	89%	89%	89%	89%
15	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	91%	90%	90%	90%	89%	89%	90%	90%	90%	89%	89%	89%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%	91%	90%	90%	90%	90%	89%
25	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%
30	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%
35	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
40	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	15%	16%	16%	16%	17%	16%	17%	17%	17%	18%	18%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
10	11%	11%	12%	12%	12%	12%	14%	15%	15%	16%	16%	16%	15%	16%	16%	17%	17%	17%	16%	17%	17%	17%	17%	18%	17%	17%	17%	17%	18%	18%
15	8%	8%	8%	8%	8%	8%	12%	13%	13%	14%	14%	14%	14%	14%	15%	15%	16%	16%	15%	15%	16%	16%	17%	17%	15%	16%	16%	17%	17%	17%
20	6%	6%	6%	6%	6%	6%	10%	11%	11%	11%	12%	12%	12%	13%	14%	14%	14%	15%	14%	14%	15%	15%	16%	16%	15%	15%	16%	16%	16%	17%
25	5%	5%	5%	5%	5%	5%	8%	9%	9%	9%	10%	9%	11%	12%	12%	13%	13%	13%	13%	13%	14%	14%	15%	15%	14%	14%	15%	15%	16%	16%
30	4%	4%	4%	4%	4%	4%	7%	8%	8%	8%	8%	8%	10%	10%	11%	11%	11%	12%	12%	12%	13%	13%	14%	14%	13%	13%	14%	14%	15%	15%
35	3%	3%	3%	3%	3%	3%	6%	6%	7%	7%	7%	7%	8%	9%	10%	10%	10%	10%	10%	11%	12%	12%	13%	13%	12%	13%	13%	14%	14%	14%
40	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	8%	8%	8%	9%	9%	9%	9%	10%	11%	11%	11%	11%	11%	12%	12%	13%	13%	13%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

NORD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : Mayotte
Orientation : NORD-EST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
10	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	90%	90%	90%	89%	89%	89%	90%	90%	89%	89%	89%	89%
15	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	90%	90%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	90%	90%	90%	90%	89%	89%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
25	93%	93%	93%	93%	93%	93%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	91%	90%	90%	90%	90%	90%
30	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%
35	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%
40	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	91%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	15%	16%	16%	17%	17%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	19%
10	10%	11%	11%	11%	12%	12%	14%	14%	15%	16%	16%	17%	15%	16%	17%	17%	17%	18%	16%	17%	17%	18%	18%	18%	17%	17%	18%	18%	18%	18%
15	7%	8%	8%	8%	8%	8%	11%	12%	13%	13%	14%	14%	13%	14%	15%	16%	16%	17%	15%	15%	16%	17%	17%	17%	15%	16%	17%	17%	18%	18%
20	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	12%	12%	13%	14%	14%	15%	13%	14%	15%	15%	16%	17%	14%	15%	16%	16%	17%	17%
25	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	13%	14%	15%	15%	13%	14%	15%	15%	16%	17%
30	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	10%	10%	11%	11%	11%	11%	11%	12%	13%	13%	14%	12%	13%	14%	14%	15%	15%
35	3%	3%	3%	3%	3%	3%	6%	6%	6%	7%	7%	7%	8%	8%	9%	9%	10%	10%	10%	10%	11%	12%	12%	12%	11%	12%	13%	13%	14%	14%
40	3%	3%	3%	3%	3%	2%	5%	5%	6%	6%	6%	6%	7%	8%	8%	8%	9%	9%	9%	9%	10%	11%	11%	11%	10%	11%	12%	12%	13%	13%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

EST

PROTEC SOLAME | Générateur d'abaque | OMBREE CIRBAT

Météo : Mayotte
Orientation : EST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	89%	89%	89%	88%	89%	88%	88%	88%	88%	88%	88%	88%	88%	88%	87%	87%	88%	88%	88%	88%	87%	87%	87%	88%	87%	87%	87%	87%
10	91%	91%	91%	91%	91%	91%	90%	90%	90%	89%	89%	88%	90%	89%	89%	88%	88%	88%	89%	89%	88%	88%	88%	88%	89%	88%	88%	88%	88%	87%
15	92%	92%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	89%	88%	90%	90%	89%	88%	88%	88%	89%	89%	88%	88%	88%	88%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	89%	88%	90%	90%	89%	89%	88%	88%
25	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	91%	91%	90%	90%	90%	90%	91%	90%	90%	90%	89%	88%
30	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%
35	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%
40	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	14%	15%	16%	16%	17%	17%	16%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	19%	18%	18%	18%	18%	19%	19%
10	10%	10%	11%	11%	11%	11%	13%	14%	15%	16%	16%	17%	15%	16%	17%	17%	17%	18%	16%	17%	17%	18%	18%	18%	17%	17%	18%	18%	18%	18%
15	7%	8%	8%	8%	8%	8%	11%	12%	12%	13%	13%	14%	13%	14%	15%	15%	16%	17%	14%	15%	16%	17%	17%	18%	15%	16%	17%	17%	18%	18%
20	5%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	11%	12%	13%	14%	14%	15%	13%	14%	15%	15%	16%	17%	14%	15%	16%	16%	17%	17%
25	4%	5%	5%	5%	5%	4%	7%	8%	8%	9%	9%	9%	10%	10%	11%	12%	12%	13%	11%	12%	13%	14%	15%	15%	13%	14%	15%	15%	16%	16%
30	4%	4%	4%	4%	4%	4%	6%	7%	7%	7%	8%	8%	8%	9%	10%	10%	11%	11%	10%	11%	12%	13%	13%	14%	12%	13%	13%	14%	15%	15%
35	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	7%	8%	9%	9%	9%	9%	9%	10%	11%	11%	12%	12%	11%	11%	12%	13%	14%	14%
40	2%	3%	3%	3%	3%	2%	5%	5%	5%	5%	6%	5%	7%	7%	8%	8%	8%	8%	8%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%

Bon
Moyen
Mauvais

by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

SUD-EST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

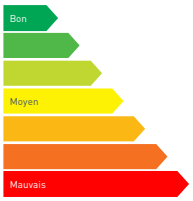
Météo : Mayotte
Orientation : SUD-EST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

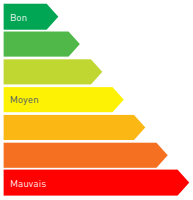
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	90%	90%	90%	89%	90%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
10	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	90%	90%	89%	89%	89%	89%	90%	89%	89%	89%	89%	89%
15	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	90%	90%	90%	89%	89%	89%
20	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%
25	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	90%	90%
30	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	91%	91%	91%	90%	90%	90%
35	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%
40	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	12%	13%	13%	14%	14%	15%	14%	15%	15%	15%	16%	16%	15%	15%	16%	16%	16%	16%	15%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
10	9%	9%	9%	10%	10%	10%	12%	12%	13%	13%	14%	14%	13%	14%	14%	15%	15%	15%	14%	14%	15%	15%	15%	16%	14%	15%	15%	15%	16%	16%
15	6%	7%	7%	7%	7%	7%	9%	10%	10%	11%	11%	12%	11%	12%	12%	13%	14%	14%	12%	13%	14%	14%	15%	15%	13%	14%	14%	15%	15%	15%
20	5%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%	13%	14%	12%	13%	13%	14%	14%	15%
25	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	9%	10%	10%	10%	11%	10%	11%	11%	12%	12%	13%	11%	12%	12%	13%	13%	14%
30	3%	3%	3%	3%	3%	3%	6%	6%	6%	6%	6%	6%	8%	8%	8%	9%	9%	9%	9%	9%	10%	11%	11%	11%	10%	11%	11%	12%	12%	13%
35	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	6%	6%	7%	7%	7%	8%	8%	8%	8%	9%	9%	10%	10%	10%	9%	10%	10%	11%	11%	12%
40	2%	2%	2%	2%	2%	2%	4%	5%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	7%	8%	8%	9%	9%	9%	8%	9%	10%	10%	10%	11%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

SUD

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

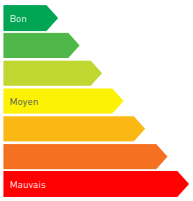
Météo : Mayotte
Orientation : SUD
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

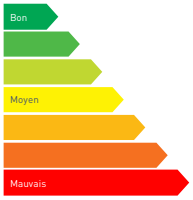
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
10	93%	93%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
15	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	92%	92%	91%	91%	91%	91%	92%	91%	91%	91%	91%	91%
20	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	92%	92%	91%	91%	91%	91%
25	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%
30	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%
35	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	93%	92%	92%	92%	92%	92%
40	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	93%	93%	92%	92%	92%	92%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	10%	11%	11%	11%	12%	12%	12%	12%	13%	13%	13%	13%	13%	13%	13%	13%	14%	14%	13%	13%	13%	14%	14%	14%	13%	14%	14%	14%	14%	14%
10	7%	7%	8%	8%	8%	8%	10%	10%	10%	11%	11%	12%	11%	11%	12%	12%	12%	13%	12%	12%	12%	13%	13%	13%	12%	12%	13%	13%	13%	14%
15	5%	6%	6%	6%	6%	6%	8%	8%	8%	9%	9%	9%	9%	10%	10%	11%	11%	12%	10%	11%	11%	12%	12%	13%	11%	11%	12%	12%	13%	13%
20	4%	4%	4%	4%	4%	4%	6%	7%	7%	7%	7%	8%	8%	8%	9%	9%	9%	10%	9%	9%	10%	10%	11%	11%	10%	10%	11%	11%	12%	12%
25	3%	4%	4%	4%	3%	3%	5%	6%	6%	6%	6%	6%	7%	7%	8%	8%	8%	8%	8%	8%	9%	9%	10%	10%	9%	9%	10%	10%	11%	11%
30	3%	3%	3%	3%	3%	3%	5%	5%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	7%	8%	8%	8%	9%	9%	8%	9%	9%	9%	10%	10%
35	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	5%	5%	6%	6%	6%	6%	6%	6%	7%	7%	7%	7%	8%	8%	8%	8%	8%	9%	9%	9%
40	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	4%	4%	5%	5%	5%	5%	6%	6%	6%	6%	6%	7%	7%	7%	7%	7%	8%	8%	8%	9%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

SUD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

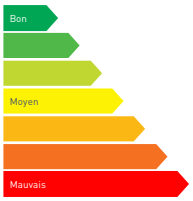
Météo : Mayotte
Orientation : SUD-OUEST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

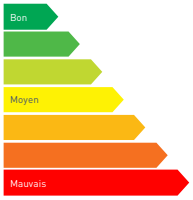
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	92%	92%	92%	92%	92%	91%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
10	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	92%	92%	91%	91%	91%	91%	92%	91%	91%	91%	91%	91%
15	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	92%	92%	92%	91%	91%	91%
20	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%
25	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	93%	92%	92%	92%	92%	92%
30	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	93%	93%	92%	92%	92%	92%
35	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%
40	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	13%	13%	14%	14%	14%	15%	15%	15%	15%	16%	16%	16%	15%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	17%	16%	16%	16%	16%	17%	17%
10	9%	9%	9%	10%	10%	10%	12%	12%	13%	14%	14%	15%	13%	14%	14%	15%	15%	16%	14%	15%	15%	16%	16%	16%	15%	15%	16%	16%	16%	16%
15	6%	7%	7%	7%	7%	7%	10%	10%	11%	11%	12%	12%	12%	12%	13%	13%	14%	14%	13%	13%	14%	14%	15%	15%	13%	14%	15%	15%	15%	16%
20	5%	5%	5%	5%	5%	6%	8%	8%	9%	9%	9%	10%	10%	11%	11%	12%	12%	13%	11%	12%	13%	13%	14%	14%	12%	13%	14%	14%	15%	15%
25	4%	4%	4%	4%	4%	4%	7%	7%	7%	8%	8%	8%	9%	9%	10%	10%	11%	11%	10%	11%	11%	12%	12%	13%	11%	12%	13%	13%	14%	14%
30	3%	3%	3%	3%	3%	3%	6%	6%	6%	6%	6%	6%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	11%	12%	10%	11%	12%	12%	13%	13%
35	3%	3%	3%	3%	3%	3%	5%	5%	5%	6%	6%	6%	7%	7%	8%	8%	8%	8%	8%	9%	9%	10%	10%	10%	9%	10%	11%	11%	12%	12%
40	2%	2%	2%	2%	2%	2%	4%	4%	5%	5%	5%	5%	6%	6%	7%	7%	7%	7%	7%	8%	8%	9%	9%	9%	9%	9%	10%	10%	11%	11%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

OUEST

PROTEC SOLAME | Générateur d'abaque | OMBREE CIRBAT

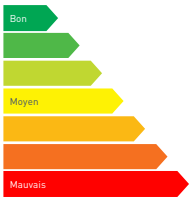
Météo : Mayotte
Orientation : OUEST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5																														
10																														
15																														
20																														
25																														
30																														
35																														
40																														

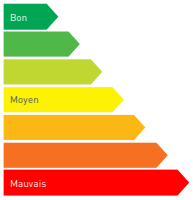
CLD

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
10	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	90%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
15	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%
20	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%
25	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	92%	92%	91%	91%	91%	91%
30	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%
35	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%
40	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%



CECC

Espacement entre les lames	Largeur des lames 5						10						15						20						25					
	Inclinaison de la lame																													
	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	14%	15%	16%	16%	17%	17%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	19%	19%	18%	18%	18%	19%	19%	19%	18%	18%	19%	19%	19%	19%
10	10%	10%	11%	11%	11%	11%	13%	14%	15%	16%	16%	17%	15%	16%	17%	17%	18%	18%	16%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%
15	7%	7%	8%	8%	8%	8%	11%	12%	12%	13%	13%	14%	13%	14%	15%	16%	16%	17%	14%	15%	16%	17%	17%	18%	15%	16%	17%	18%	18%	18%
20	5%	6%	6%	6%	6%	6%	9%	9%	10%	11%	11%	11%	11%	12%	13%	14%	14%	15%	13%	14%	15%	16%	16%	17%	14%	15%	16%	17%	17%	18%
25	4%	4%	5%	5%	5%	4%	7%	8%	8%	9%	9%	9%	10%	10%	11%	12%	12%	13%	11%	12%	13%	14%	15%	15%	13%	14%	15%	15%	16%	17%
30	3%	4%	4%	4%	4%	3%	6%	7%	7%	7%	7%	7%	8%	9%	10%	10%	11%	11%	10%	11%	12%	13%	13%	14%	11%	12%	13%	14%	15%	16%
35	3%	3%	3%	3%	3%	3%	5%	6%	6%	6%	6%	6%	7%	8%	9%	9%	9%	9%	9%	10%	11%	11%	12%	12%	10%	11%	12%	13%	14%	14%
40	2%	2%	2%	2%	2%	2%	5%	5%	5%	5%	5%	5%	6%	7%	8%	8%	8%	8%	8%	9%	10%	10%	11%	11%	9%	10%	11%	12%	13%	13%



by B MALET-DAMOUR & G RIVIERE

Confort thermique

Occultation à 25%

NORD-OUEST

PROTEC SOLAME — Générateur d'abaque — OMBREE CIRBAT

Météo : Mayotte
Orientation : NORD-OUEST
Occultation : 25 %
Critère à privilégier : Confort thermi

Cm

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
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Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	89%	90%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
10	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	90%	90%	90%	90%	89%	89%	90%	90%	89%	89%	89%	89%
15	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%
20	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	91%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
25	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	90%	90%	91%	90%	90%	90%	90%	90%
30	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%	91%	91%	90%	90%	90%	90%
35	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%	90%
40	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%

Bon
Moyen
Mauvais

CECC

Espacement entre les lames	Largeur des lames: 5						10						15						20						25					
Inclinaison de la lame	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
5	15%	15%	16%	16%	17%	17%	17%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	19%	18%	18%	18%	18%	19%	19%	18%	18%	19%	19%	19%	19%
10	10%	11%	11%	11%	12%	12%	14%	15%	15%	16%	17%	17%	15%	16%	17%	17%	18%	18%	16%	17%	18%	18%	18%	18%	17%	18%	18%	18%	18%	18%
15	7%	8%	8%	8%	8%	8%	11%	12%	13%	13%	14%	14%	13%	14%	15%	16%	16%	17%	15%	16%	16%	17%	17%	18%	16%	16%	17%	17%	18%	18%
20	6%	6%	6%	6%	6%	6%	9%	10%	10%	11%	11%	11%	12%	12%	13%	14%	15%	15%	13%	14%	15%	16%	16%	17%	14%	15%	16%	17%	17%	18%
25	4%	5%	5%	5%	5%	5%	8%	8%	9%	9%	9%	9%	10%	11%	12%	12%	13%	13%	12%	13%	14%	14%	15%	15%	13%	14%	15%	16%	16%	17%
30	4%	4%	4%	4%	4%	4%	6%	7%	7%	8%	8%	8%	9%	10%	10%	11%	11%	11%	11%	11%	12%	13%	14%	14%	12%	13%	14%	15%	15%	16%
35	3%	3%	3%	3%	3%	3%	6%	6%	6%	7%	7%	7%	8%	8%	9%	9%	10%	10%	9%	10%	11%	12%	12%	12%	11%	12%	13%	13%	14%	14%
40	2%	3%	3%	3%	3%	2%	5%	5%	6%	6%	6%	6%	7%	7%	8%	8%	9%	9%	9%	9%	10%	11%	11%	11%	10%	11%	12%	12%	13%	13%

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