



THERMIK'

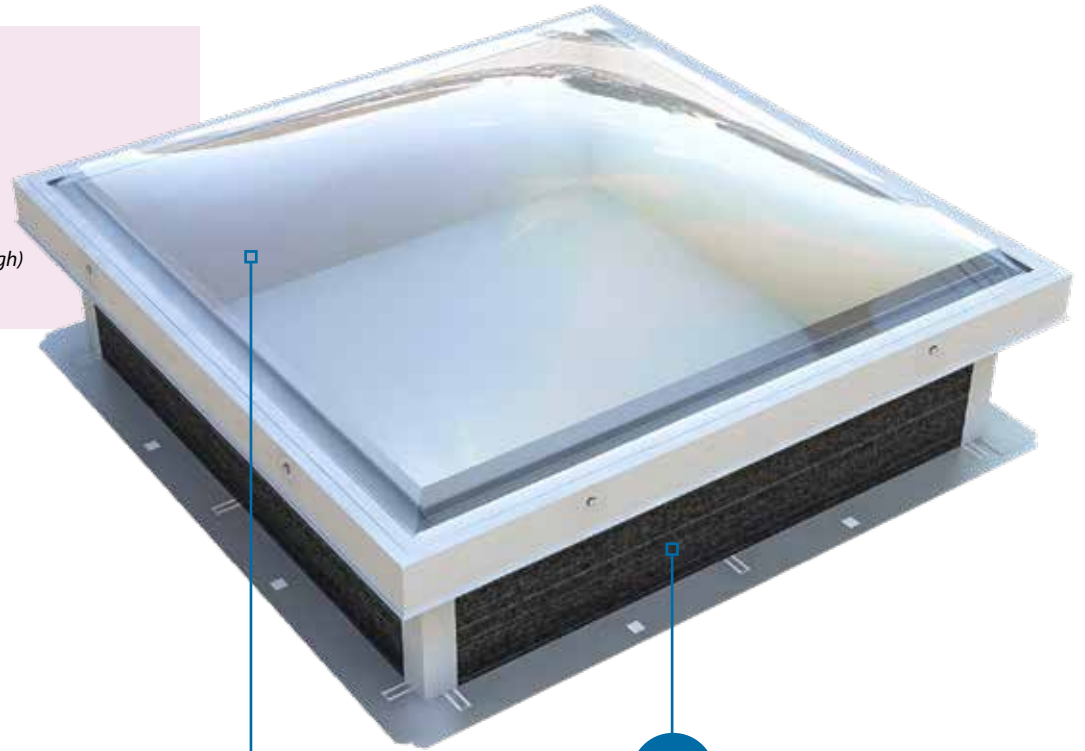
CLASSIC | CONFORT | ELITE

SKYDÔME®

OPTIMUM INSULATION

Urc: 1.2 W/m².K

(SKYDÔME® ELITE 3xD,
size 140 x 200 cm, kerb 410 mm high)



GLAZING

- PMMA triple dome



KERB

- Straight kerb
- 12/10th galvanised steel
- 360 mm high with 30 mm bitumen surfaced insulation

OPTIONS

Glazing	Kerb	Other
<ul style="list-style-type: none"> • Solid PC triple dome 	<ul style="list-style-type: none"> • Kerb 410 mm high and over • Powder-coating on inside (standard RAL colours) • Panel colaminated at the top for PVC sealing • Panel galvanised at the top for PVC sealing • Bare insulation for PVC sealing 	<ul style="list-style-type: none"> • 6 mm round grid or 16 x 16 mm square tube, 1200 joules, galvanised or powder-coated in standard RAL colours • Pleated blind for horizontal installation in the device for sizes 100 x 100 cm and 120 x 120 cm (please contact us for other sizes)

Choice of colours



ADAPTER PLATE P. 10

— GEOMETRICAL DIMENSIONS

Opening dimensions A x B (cm)	Overall heel dimensions C x D (cm)	Height H* (cm)	Lighting surface area (m ²)	Weight (kg)
50 x 50	68 x 68	44	0.25	20
85 x 85	103 x 103	51	0.73	38
100 x 100	118 x 118	53	1.00	46
120 x 120	138 x 138	54	1.44	57
140 x 140	158 x 158	59	1.96	70
150 x 150	168 x 168	60	2.25	76
160 x 160	178 x 178	62	2.56	83
180 x 180	198 x 198	65	3.24	97
200 x 200	218 x 218	69	4.00	112
70 x 100	88 x 118	48	0.70	38
100 x 140	118 x 158	53	1.40	57
100 x 150	118 x 168	53	1.50	60
100 x 200	118 x 218	53	2.00	74
140 x 200	158 x 218	59	2.80	89

Please contact us for other sizes. * For a kerb 310 mm high.

— GLAZING PERFORMANCES

Other glazing: see “Glazing” technical data sheet

Types of glazing	Heat transfer coefficient U _g (W/m ² .K)		TL D65 ⁽²⁾	FS or g ⁽²⁾	Reaction to fire	R_w $R_A = R_w + C$ $R_{A,tr} = R_w + C_{tr}$ (dB) ⁽³⁾
	U _{hor} ⁽¹⁾	U _{vert} ⁽¹⁾				
Domes	Opal PMMA triple dome <i>Opal PMMA upper dome + transp. PMMA int. dome + transp. PMMA lower dome</i>		61%	ND	E	ND
	Opal solid PC triple dome <i>Opal solid PC upper dome + transp. solid PC int. dome + transp. solid PC lower dome</i>		61%	ND	B,s2,d0	ND

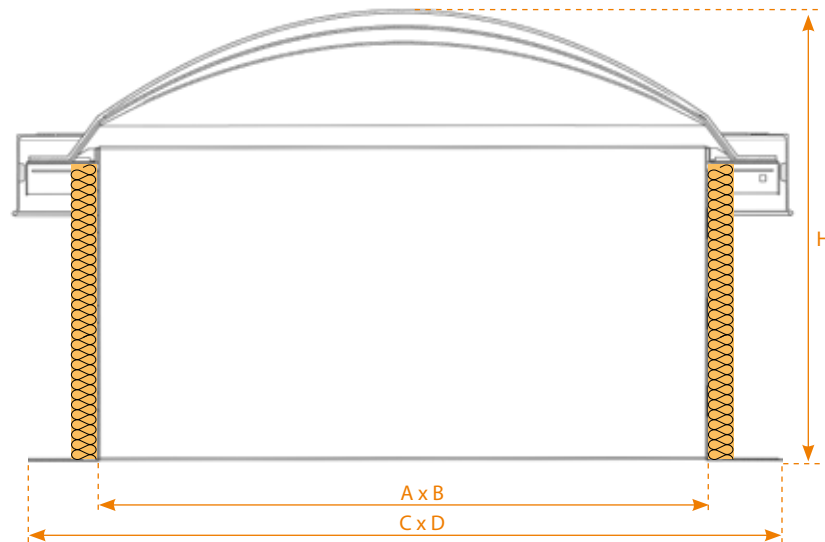
⁽¹⁾ According to §2.31 of the Th-Bat. rules.

⁽²⁾ Regular light transmission factor TL D65 and total solar transmission factor FS (TST or g) according to EN 410.

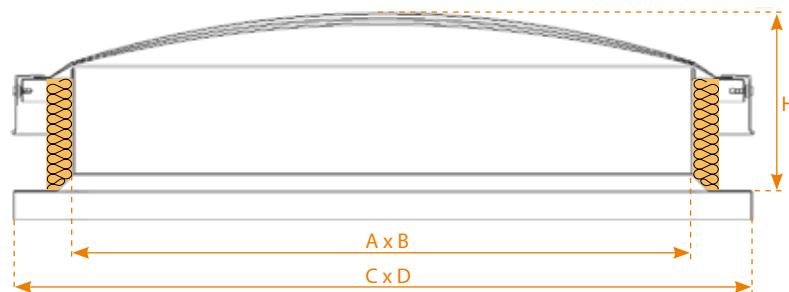
⁽³⁾ Glazing insulation to airborne noise R_w, pink noise R_A (neighbourhood, airport and industrial activities) and road noise R_{A,Tr} measured in the laboratory according to NF EN ISO 140.

TECHNICAL DIAGRAMS

SKYDÔME® triple dome



Adapter plate
SKYDÔME® triple dome



CONFORMITY AND IMPLEMENTATION

Compliant with European standard **NF EN 1873**.

Fastening and sealing must comply with the requirements set out in French legislation (DTU) series 40 and 43 currently in force.

Maximum insulation height: the minimum height of the waterproofing upstand to comply with according to French legislation (DTU) is 150 mm.

The waterproofing complex (substrate, vapour barrier, insulation and two-layer sealing) cannot be more than 140 mm for an inner kerb height of 310 mm or more than 240 mm for an inner kerb height of 410 mm.

Maximum authorised slope: 25° or 46% (see installation instructions).

Only the security bar option guarantees 1200-joule protection.

Declaration of Performance available at www.skydome.eu

— COMMERCIAL NAME



	CLASSIC ★	CONFORT ★★	ELITE ★★★
Kerb insulation	<p>Kerb 360 mm high</p> <p>Insulation:</p> <ul style="list-style-type: none"> • over the kerb height 	<p>Kerb 360 mm high</p> <p>Insulation:</p> <ul style="list-style-type: none"> • over the kerb height • over the kerb frame return 	<p>Kerb 360 mm high</p> <p>Insulation:</p> <ul style="list-style-type: none"> • over the kerb height • over the kerb frame return • between the steel frame and the aluminium frame
Glazing	<p>Triple dome Opal upper dome + transparent int. dome + transparent lower dome</p>	<p>Triple dome Opal upper dome + transparent int. dome + transparent lower dome</p>	<p>Triple dome Opal upper dome + transparent int. dome + transparent lower dome</p>
Commercial name	CLASSIC 3xD	CONFORT 3xD	ELITE 3xD

AIR PERMEABILITY AND LIGHT SURFACE AREA

Opening dimensions A x B (cm)	Air flow (m ³ /h) - Class AP06 ⁽¹⁾		ELA ⁽²⁾ (m ²)	
	Under 4 Pa	Under 50 Pa	360 mm high kerb	410 mm high kerb
50 x 50	0.18	2.46	0.07	0.07
85 x 85	0.31	4.18	0.25	0.24
100 x 100	0.36	4.92	0.36	0.35
120 x 120	0.43	5.90	0.54	0.52
140 x 140	0.50	6.89	0.75	0.73
150 x 150	0.54	7.38	0.86	0.85
160 x 160	0.58	7.87	0.99	0.98
180 x 180	0.65	8.86	1.27	1.25
200 x 200	0.71	9.72	1.54	1.52
70 x 100	0.31	4.18	0.24	0.23
100 x 140	0.43	5.90	0.52	0.51
100 x 150	0.45	6.15	0.56	0.55
100 x 200	0.54	7.44	0.76	0.74
140 x 200	0.61	8.36	1.09	1.07

⁽¹⁾ Air permeability tests conducted at CSTC according to the NF EN 1873 protocols (in reference to standards NF EN 12152 and NF EN 12153).

⁽²⁾ Effective lighting area (ELA) calculated with white powder-coated kerb and 16 mm structured polycarbonate.

ACOUSTIC PERFORMANCES OF THE DEVICE

	Triple dome
Noise reduction R_w ($C;C_{tr}$) (dB)	20(0;-2)
Intensity level generated by the rain LIA (dB)	63

R_w = Noise reduction index measured in the laboratory according to EN 410 (airborne noise)

RA = $R_w + C$ = "pink noise" reduction index

RA_{tr} = $R_w + C_{tr}$ = "road noise" reduction index

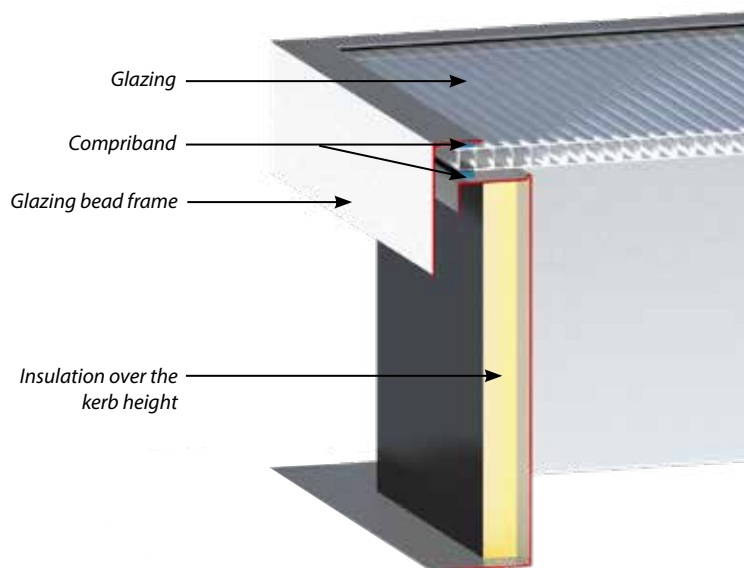


CLASSIC

IMPROVED THERMAL INSULATION

> Over the kerb height

- ✓ **WIDE RANGE OF GLAZING** meeting the various thermal, light transmission and solar factor performances
- ✓ **$U_{RC} = 1.6 \text{ W/m}^2.K^*$**
- ✓ **BETTER WATERPROOFING**
- ✓ Noise reduction **FROM 17 DB**
- ✓ **COMPLIANT WITH FRENCH LEGISLATION (DTU)** currently in force



— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

SKYDÔME®				
Dimensions (cm)	Kerb 360 mm high		Kerb 410 mm high	
	U_{RC}	A_{RC}	U_{RC}	A_{RC}
	Triple dome		Triple dome	
50 x 50	1.8	1.2	1.7	1.3
85 x 85	1.8	2.2	1.7	2.4
100 x 100	1.8	2.7	1.7	2.9
120 x 120	1.8	3.5	1.7	3.7
140 x 140	1.8	4.3	1.7	4.6
150 x 150	1.7	4.7	1.6	5.1
160 x 160	1.7	5.2	1.6	5.6
180 x 180	1.7	6.2	1.6	6.6
200 x 200	1.7	8.0	1.6	8.4
70 x 100	1.8	2.2	1.7	2.3
100 x 140	1.8	3.4	1.7	3.7
100 x 150	1.8	3.6	1.7	3.9
100 x 200	1.8	4.5	1.7	4.8
140 x 200	1.7	5.6	1.6	6.0

* For a system measuring 140 x 200 cm, kerb 410 mm high, triple dome glazing.



CONFORT

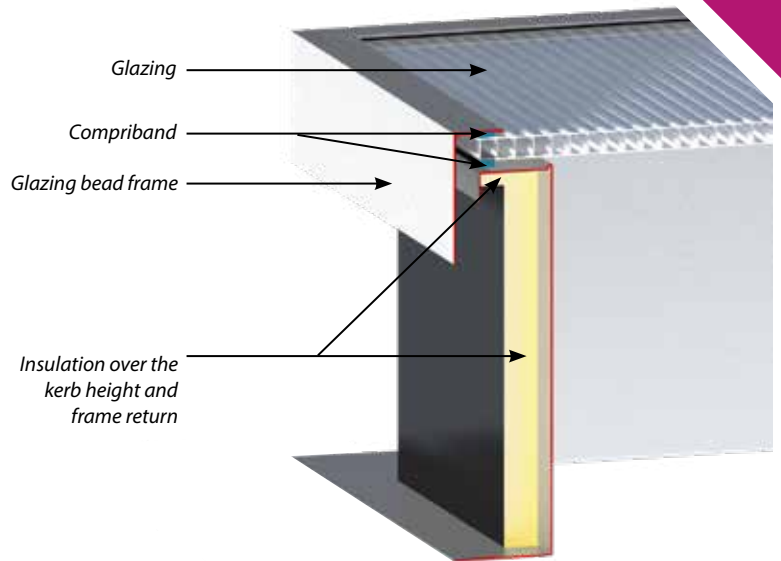
THERMAL CONDUCTANCE U_{RC} :

> 20% more efficient than the CLASSIC range

✓ WIDE RANGE OF GLAZING

✓ $U_{RC} = 1.4 \text{ W/m}^2 \cdot \text{K}^*$

✓ COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

SKYDÔME®				
Dimensions (cm)	Kerb 360 mm high		Kerb 410 mm high	
	U_{RC}	A_{RC}	U_{RC}	A_{RC}
	Triple dome		Triple dome	
50 x 50	1.5	1.2	1.4	1.3
85 x 85	1.5	2.2	1.4	2.4
100 x 100	1.5	2.7	1.4	2.9
120 x 120	1.5	3.5	1.4	3.7
140 x 140	1.5	4.3	1.4	4.6
150 x 150	1.5	4.7	1.4	5.1
160 x 160	1.5	5.2	1.4	5.6
180 x 180	1.5	6.2	1.4	6.6
70 x 100	1.5	7.2	1.4	7.6
200 x 200	1.5	8.0	1.4	8.4
100 x 140	1.5	2.2	1.4	2.3
100 x 150	1.5	3.4	1.4	3.7
100 x 200	1.5	4.5	1.4	4.8
140 x 200	1.5	5.6	1.4	6.0

* For a system measuring 140 x 200 cm, kerb 410 mm high, triple dome glazing.



ELITE

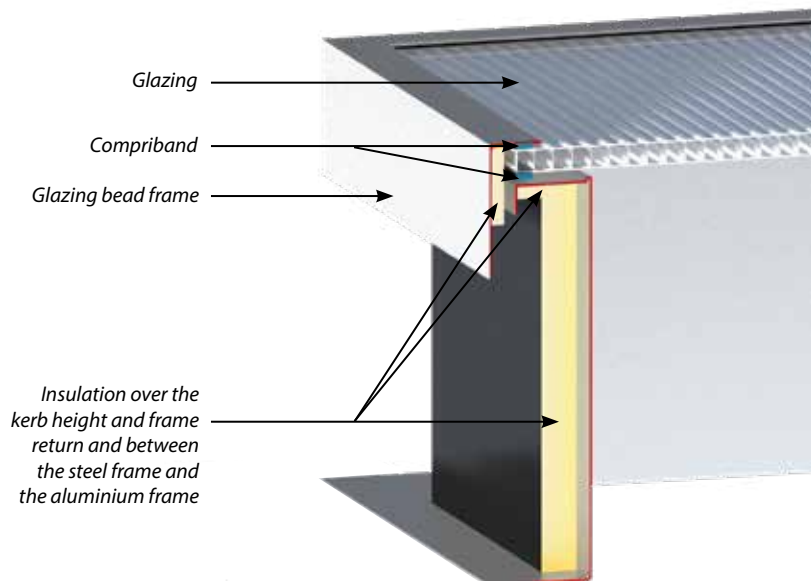
THERMAL CONDUCTANCE U_{RC} :

- > 30% more efficient than the CLASSIC range
- > 30% additional insulation between the steel frame and the aluminium frame

✓ WIDE RANGE OF GLAZING

✓ $U_{RC} = 1.2 \text{ W/m}^2 \cdot \text{K}^*$

✓ COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

SKYDÔME®				
Dimensions (cm)	Kerb 360 mm high		Kerb 410 mm high	
	U_{RC}	A_{RC}	U_{RC}	A_{RC}
	Triple dome		Triple dome	
50 x 50	1.3	1.2	1.2	1.3
85 x 85	1.3	2.2	1.2	2.4
100 x 100	1.3	2.7	1.2	2.9
120 x 120	1.3	3.5	1.2	3.7
140 x 140	1.3	4.3	1.2	4.6
150 x 150	1.3	4.7	1.2	5.1
160 x 160	1.3	5.2	1.2	5.6
180 x 180	1.3	6.2	1.2	6.6
70 x 100	1.3	7.2	1.2	7.6
200 x 200	1.3	8.0	1.2	8.4
100 x 140	1.3	2.2	1.2	2.3
100 x 150	1.3	3.4	1.2	3.7
100 x 200	1.3	3.6	1.2	3.9
140 x 200	1.3	5.6	1.2	6.0

* For a system measuring 140 x 200 cm, kerb 410 mm high, triple dome glazing.

**A CLOSER
LOOK AT ...**

**THE SKYDÔME® ADAPTER PLATE
FOR RENOVATION AND CONFORMITY**

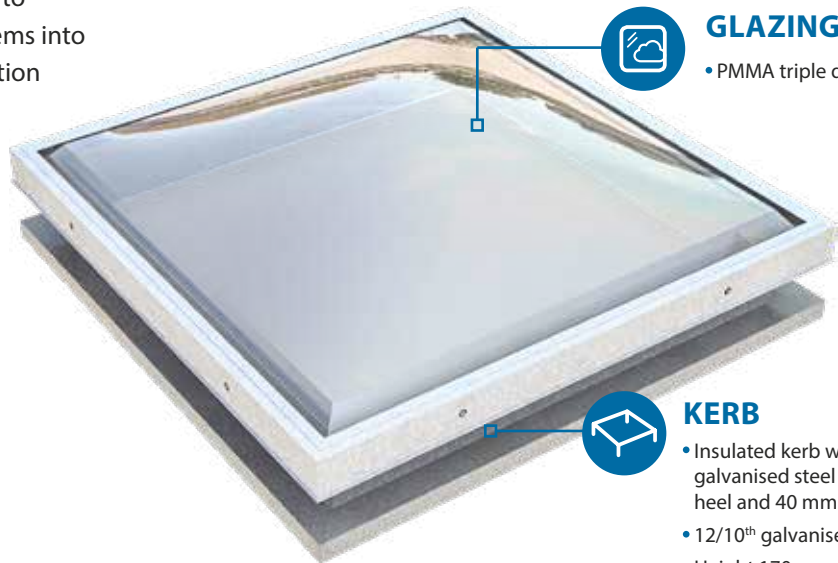
— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

SKYDÔME® ADAPTER PLATE						
Dimensions (cm)	CLASSIC ★		CONFORT ★★		ELITE ★★★	
	U_{RC}	A_{RC}	U_{RC}	A_{RC}	U_{RC}	A_{RC}
	Triple dome		Triple dome		Triple dome	
50 x 50	2.8	0.7	2.2	0.7	1.9	0.7
85 x 85	2.6	1.5	2.1	1.5	1.8	1.5
100 x 100	2.5	1.9	2.1	1.9	1.8	1.9
120 x 120	2.5	2.5	2.1	2.5	1.7	2.5
140 x 140	2.4	3.2	2.0	3.2	1.7	3.2
150 x 150	2.4	3.6	2.0	3.6	1.7	3.6
160 x 160	2.4	4.0	2.0	4.0	1.7	4.0
180 x 180	2.3	4.8	2.0	4.8	1.7	4.8
200 x 200	2.2	5.7	2.0	5.7	1.6	5.7
70 x 100	2.3	5.6	2.0	5.6	1.6	5.6
100 x 140	2.6	1.5	2.1	1.5	1.8	1.5
100 x 150	2.5	2.5	2.1	2.5	1.7	2.5
100 x 200	2.5	2.6	2.0	2.6	1.7	2.6
140 x 200	2.3	4.3	2.0	4.3	1.7	4.3

**A CLOSER
LOOK AT ...**

**THE SKYDÔME® ADAPTER PLATE
FOR RENOVATION AND CONFORMITY**

The SKYDÔME® ADAPTER PLATE is used to adapt to all types of kerbs to bring systems into compliance or change the original function **whilst keeping the existing kerb.**



GLAZING
• PMMA triple dome



KERB
• Insulated kerb with protective galvanised steel panel, 84 mm heel and 40 mm apron
• 12/10th galvanised steel
• Height 170 mm

OPTIONS

List of standard options p.1

Kerb

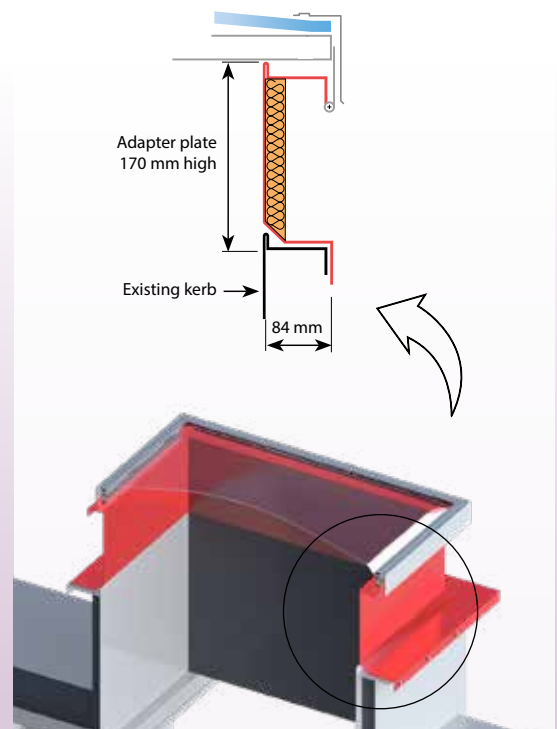
- Heel width by request to adapt to the existing substrate
- Kerb height by request

GEOMETRICAL DIMENSIONS

Opening dimensions A x B (cm)	Overall heel dimensions C x D (cm)	Height H* (cm)	Lighting surface area (m ²)	Weight (kg)
50 x 50	67 x 67	30	0.25	15
85 x 85	102 x 102	51	0.73	29
100 x 100	117 x 117	39	1.00	36
120 x 120	137 x 137	42	1.44	45
140 x 140	157 x 157	45	1.96	55
150 x 150	167 x 167	46	2.25	61
160 x 160	177 x 177	48	2.56	66
180 x 180	197 x 197	51	3.24	78
200 x 200	217 x 217	55	4.00	91
70 x 100	87 x 117	34	0.70	29
100 x 140	117 x 157	39	1.40	45
100 x 150	117 x 167	39	1.50	47
100 x 200	117 x 217	39	2.00	58
140 x 200	157 x 217	45	2.80	71

Please contact us for other sizes. * For a kerb 170 mm high.

INSTALLATION DIAGRAM



Ref: 2018.10.SKYDÔME THERMIK - 10/2018 - Document is not contractual, photos are not contractual.
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