



**THERMIK'**

CLASSIC | CONFORT | ELITE

# AIRDÔME® MANUAL/ELECTRIC

## OPTIMUM INSULATION

**U<sub>rc</sub>: 0.9 W/m<sup>2</sup>.K**

(AIRDÔME ELITE 32+, size 180 x 180 cm,  
kerb 410 mm high)



### GLAZING

- S.PC 16
- S.PC 16+ 
- S.PC 32
- S.PC 32+ 
- PMMA triple dome
- Acoustik' Light 

### KERB

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

### CONTROL

- Manual opening: crankshaft on 175 mm worm screw
- Electric opening: cylinder with 300 mm stroke connected to the mains electrical grid (220 volts)

## OPTIONS

| Glazing                                                                                                                                                                                         | Kerb                                                                                                                                                                                                                                                                                               | Control                                                                                                                                                                                             | Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Opal IR S.PC 16</li> <li>• Grey S.PC 16</li> <li>• Transparent S.PC 16</li> <li>• Insulated aluminium cover</li> <li>• Solid PC triple dome</li> </ul> | <ul style="list-style-type: none"> <li>• Kerb 410 mm high and over</li> <li>• Powder-coating on inside (standard RAL colours)</li> <li>• Panel colaminated at the top for PVC sealing</li> <li>• Panel galvanised at the top for PVC sealing</li> <li>• Bare insulation for PVC sealing</li> </ul> | <ul style="list-style-type: none"> <li>• Crankshaft (lengths 1.5 m, 2 m, 2.5 m, 3.5 m)</li> <li>• Switch (ref. XE2102): 3 positions, 2 of which are momentary, 250 volts - 10 A maximum.</li> </ul> | <ul style="list-style-type: none"> <li>• 6 mm round grid or 16 x 16 mm square tube, 1200 joules, galvanised or powder-coated in standard RAL colours</li> <li>• Burglar-resistant grid with anti-sawing protection (16 x 16 + R6 assembly), galvanised or powder-coated in standard RAL colours</li> <li>• 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) with a minimum kerb height of 500 mm</li> <li>• Pneumatic opening with cylinder with 300 mm or 600 mm stroke</li> </ul> |

## ADAPTER PLATE p. 10

## AVAILABLE IN



**ACOUSTIK' LIGHT**

## — GEOMETRICAL DIMENSIONS

| Opening dimensions<br>A x B (cm) | Overall heel dimensions<br>C x D (cm) | Height H* (cm) |     | Lighting surface area (m²) | Weight (kg) |       |
|----------------------------------|---------------------------------------|----------------|-----|----------------------------|-------------|-------|
|                                  |                                       | S.PC           | 3xD |                            | Man.        | Elec. |
| 50 x 50                          | 68 x 68                               | 41             | 53  | 0.25                       | 27          | 29    |
| 85 x 85                          | 103 x 103                             | 42             | 60  | 0.73                       | 48          | 50    |
| 100 x 100                        | 118 x 118                             | 42             | 61  | 1.00                       | 58          | 60    |
| 120 x 120                        | 138 x 138                             | 42             | 64  | 1.44                       | 72          | 74    |
| 140 x 140                        | 158 x 158                             | 42             | 67  | 1.96                       | 88          | 90    |
| 150 x 150                        | 168 x 168                             | 42             | 69  | 2.25                       | 96          | 98    |
| 160 x 160                        | 178 x 178                             | 42             | 70  | 2.56                       | 104         | 106   |
| 180 x 180                        | 198 x 198                             | 44             | 73  | 3.24                       | 121         | 123   |
| 195 x 200                        | 213 x 218                             | 44             | 78  | 3.90                       | 140         | 142   |
| 70 x 100                         | 88 x 118                              | 41             | 56  | 0.70                       | 48          | 50    |
| 100 x 140                        | 118 x 158                             | 42             | 61  | 1.40                       | 72          | 74    |
| 100 x 150                        | 118 x 168                             | 42             | 61  | 1.50                       | 75          | 77    |
| 100 x 200                        | 118 x 218                             | 44             | 61  | 2.00                       | 93          | 95    |
| 140 x 200                        | 158 x 218                             | 44             | 67  | 2.80                       | 112         | 114   |

Please contact us for other sizes. \* For a kerb 360 mm high.

## — GLAZING PERFORMANCES

Other glazing: see “Glazing” technical data sheet

| Types of glazing |                                                                                                              | Heat transfer coefficient<br>Ug (W/m².K) |                                  | TL<br>D65 <sup>(2)</sup> | FS<br>or g <sup>(2)</sup> | Reaction<br>to fire | $R_w$<br>$R_A = R_w + C$<br>$R_{A,tr} = R_w + C_{tr}$<br>(dB) <sup>(3)</sup> |
|------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------|--------------------------|---------------------------|---------------------|------------------------------------------------------------------------------|
|                  |                                                                                                              | U <sub>hor</sub> <sup>(1)</sup>          | U <sub>vert</sub> <sup>(1)</sup> |                          |                           |                     |                                                                              |
| S.PC             | Opal multi-wall S.PC 16                                                                                      | 2.0                                      | 1.8                              | 54%                      | 55%                       | B,s1,d0             | $R_w = 19$ dB, $R_A = 19$ dB<br>$R_{A,tr} = 17$ dB                           |
|                  | S.PC 16 with transparent Lumira™ Aerogel                                                                     | 1.31                                     | ND                               | 67%                      | 67%                       | B,s1,d0             | $R_w = 21$ dB, $R_A = 21$ dB<br>$R_{A,tr} = 19$ dB                           |
|                  | Transparent multi-wall S.PC 32                                                                               | 1.4                                      | 1.25                             | 64%                      | 57%                       | B,s1,d0             | $R_w = 19$ dB, $R_A = 18$ dB<br>$R_{A,tr} = 18$ dB                           |
|                  | S.PC 32 with 50% transparent Lumira™ Aerogel                                                                 | 0.8                                      | ND                               | 43%                      | 45%                       | B,s2,d0             | $R_w = 21$ dB, $R_A = 21$ dB<br>$R_{A,tr} = 20$ dB                           |
| Cover            | 40 mm aluminium cover                                                                                        | 0.85                                     | ND                               | 0%                       | ND                        | ND                  | 63                                                                           |
| Dome             | Opal solid PC triple dome<br><i>Opal upper dome + transparent intermediate dome + transparent lower dome</i> | 2.0                                      | 1.95                             | 61%                      | ND                        | B,s2,d0             | ND                                                                           |
| Acoustik' Light  | Acoustik' Light<br><i>Transparent S.PC 10 &amp; transparent PCP 6</i>                                        | 2.1                                      | ND                               | 54                       | 37                        | ND                  | $R_w = 27$ dB,<br>$R_A = R_{A,tr} = 26$ dB                                   |

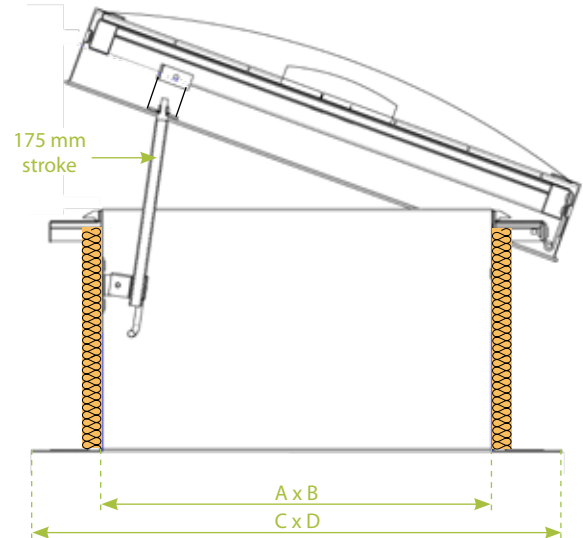
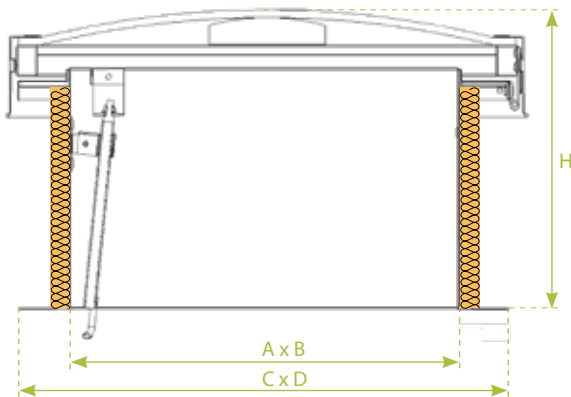
<sup>(1)</sup> According to §2.31 of the Th-Bat. rules.

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

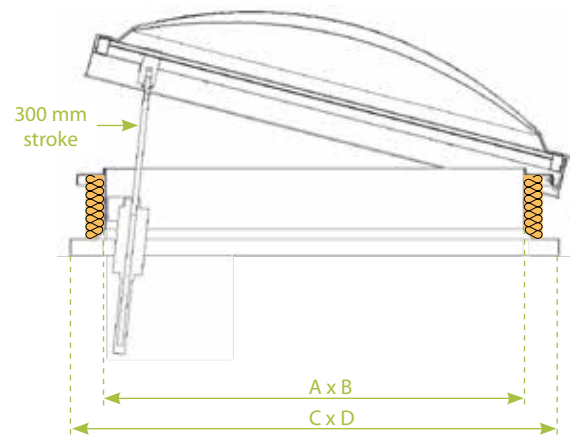
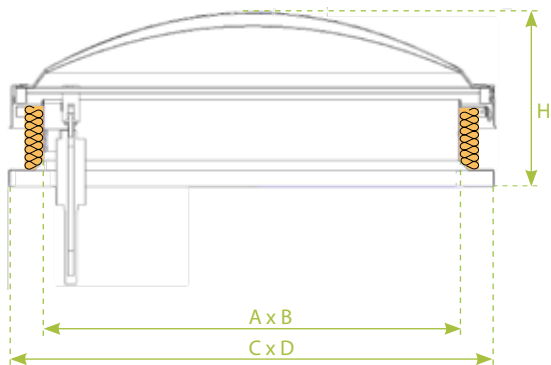
<sup>(3)</sup> Glazing insulation to airborne noise  $R_w$ , pink noise  $R_A$  (neighbourhood, airport and industrial activities) and road noise  $R_{A,tr}$  measured in the laboratory according to NF EN ISO 140.

## TECHNICAL DIAGRAMS

AIRDÔME® S.PC - Manual



Adapter plate  
AIRDÔME® triple dome - Electric



## 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.

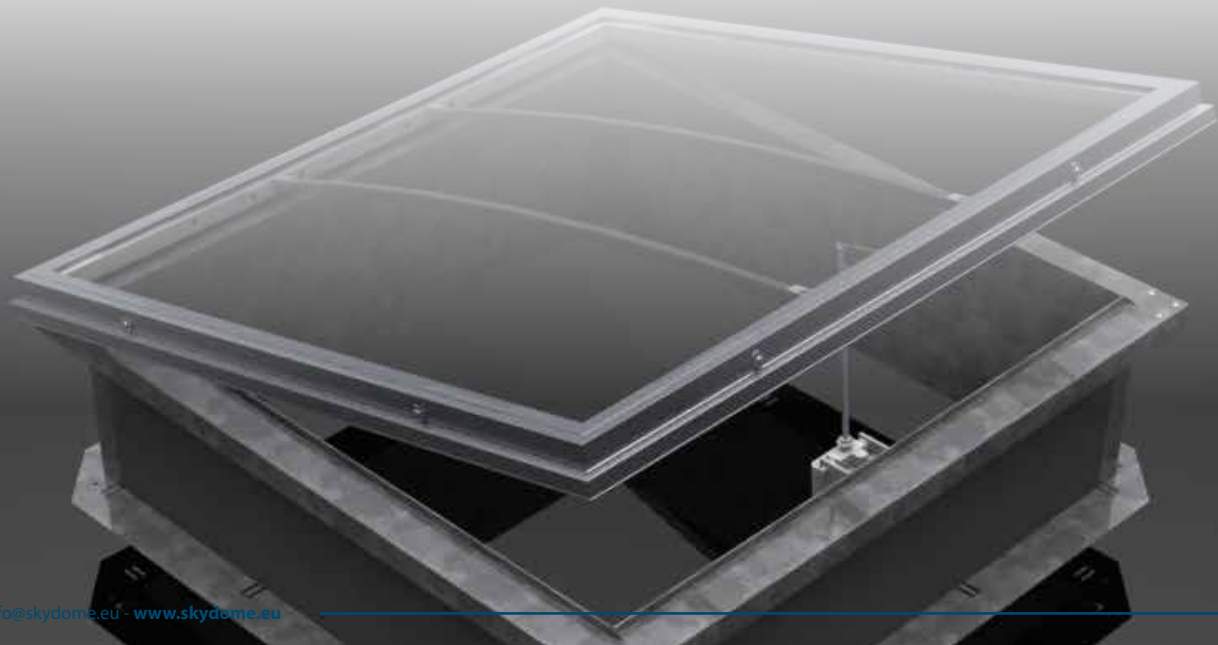
Maximum authorised slope: 25° or 46%, when the hinge axis is parallel to the roof slope and geometric surface < 2 m<sup>2</sup> (see installation instructions).

**Declaration of Performance available at [www.skydome.eu](http://www.skydome.eu)**

## — COMMERCIAL NAME



|                 | CLASSIC ★                                                                                                                                                                                                                                                                                                        |             |            |             |             |                   | CONFORT ★★                                                                                                                                                                                                                                                                                                       |            |             |            |             |             | ELITE ★★★                                                                                                                                                                                                                                                                                                        |                         |          |           |          |           |           |                 |                       |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-------------|-------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------------|-------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|-----------|----------|-----------|-----------|-----------------|-----------------------|
| Kerb insulation | Kerb <b>360 mm</b> high<br><br>Insulation:<br>• <b>over the kerb height</b>                                                                                                                                                                                                                                      |             |            |             |             |                   | Kerb <b>360 mm</b> high<br><br>Insulation:<br>• <b>over the kerb height</b><br>• <b>over the kerb frame return</b>                                                                                                                                                                                               |            |             |            |             |             | Kerb <b>360 mm</b> high<br><br>Insulation:<br>• <b>over the kerb height</b><br>• <b>over the kerb frame return</b><br>• <b>between the steel frame and the aluminium frame</b>                                                                                                                                   |                         |          |           |          |           |           |                 |                       |
| Glazing         | 16 mm S.PC (opal S.PC)<br>16 mm S.PC with LUMIRA (transparent S.PC)<br>32 mm S.PC (transparent S.PC)<br>16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC)<br>Triple dome<br>Opal upper dome + transparent intermediate dome + transparent lower dome<br>40 mm aluminium cover<br>10 mm S.PC + solid 6 mm PC |             |            |             |             |                   | 16 mm S.PC (opal S.PC)<br>16 mm S.PC with LUMIRA (transparent S.PC)<br>32 mm S.PC (transparent S.PC)<br>16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC)<br>Triple dome<br>Opal upper dome + transparent intermediate dome + transparent lower dome<br>40 mm aluminium cover<br>10 mm S.PC + solid 6 mm PC |            |             |            |             |             | 16 mm S.PC (opal S.PC)<br>16 mm S.PC with LUMIRA (transparent S.PC)<br>32 mm S.PC (transparent S.PC)<br>16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC)<br>Triple dome<br>Opal upper dome + transparent intermediate dome + transparent lower dome<br>40 mm aluminium cover<br>10 mm S.PC + solid 6 mm PC |                         |          |           |          |           |           |                 |                       |
| Commercial name | CLASSIC 16                                                                                                                                                                                                                                                                                                       | CLASSIC 16+ | CLASSIC 32 | CLASSIC 32+ | CLASSIC 3xD | CLASSIC 40 OPAQUE | CLASSIC ACOUSTIK' LIGHT                                                                                                                                                                                                                                                                                          | CONFORT 16 | CONFORT 16+ | CONFORT 32 | CONFORT 32+ | CONFORT 3xD | CONFORT 40 OPAQUE                                                                                                                                                                                                                                                                                                | CONFORT ACOUSTIK' LIGHT | ELITE 16 | ELITE 16+ | ELITE 32 | ELITE 32+ | ELITE 3xD | ELITE 40 OPAQUE | ELITE ACOUSTIK' LIGHT |



### AIR PERMEABILITY AND LIGHT SURFACE AREA

| Opening dimensions<br>A x B (cm) | Air flow (m³/h) - Class AP06 <sup>(1)</sup> |             | ELA <sup>(2)</sup> (m²) |                  |
|----------------------------------|---------------------------------------------|-------------|-------------------------|------------------|
|                                  | Under 4 Pa                                  | Under 50 Pa | 360 mm high kerb        | 410 mm high kerb |
| 50 x 50                          | 0.06                                        | 0.38        | 0.07                    | 0.07             |
| 85 x 85                          | 0.10                                        | 0.65        | 0.25                    | 0.24             |
| 100 x 100                        | 0.12                                        | 0.76        | 0.36                    | 0.35             |
| 120 x 120                        | 0.14                                        | 0.92        | 0.54                    | 0.52             |
| 140 x 140                        | 0.17                                        | 1.07        | 0.75                    | 0.73             |
| 150 x 150                        | 0.18                                        | 1.15        | 0.86                    | 0.85             |
| 160 x 160                        | 0.19                                        | 1.22        | 0.99                    | 0.98             |
| 180 x 180                        | 0.22                                        | 1.38        | 1.27                    | 1.25             |
| 195 x 200                        | 0.24                                        | 1.51        | 1.54                    | 1.52             |
| 70 x 100                         | 0.10                                        | 0.65        | 0.24                    | 0.23             |
| 100 x 140                        | 0.14                                        | 0.92        | 0.52                    | 0.51             |
| 100 x 150                        | 0.15                                        | 0.96        | 0.56                    | 0.55             |
| 100 x 200                        | 0.18                                        | 1.15        | 0.76                    | 0.74             |
| 140 x 200                        | 0.20                                        | 1.30        | 1.09                    | 1.07             |

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

<sup>(2)</sup> effective lighting area (ELA) calculated with white powder-coated kerb and 16 mm structured polycarbonate.

### ACOUSTIC PERFORMANCES OF THE DEVICE



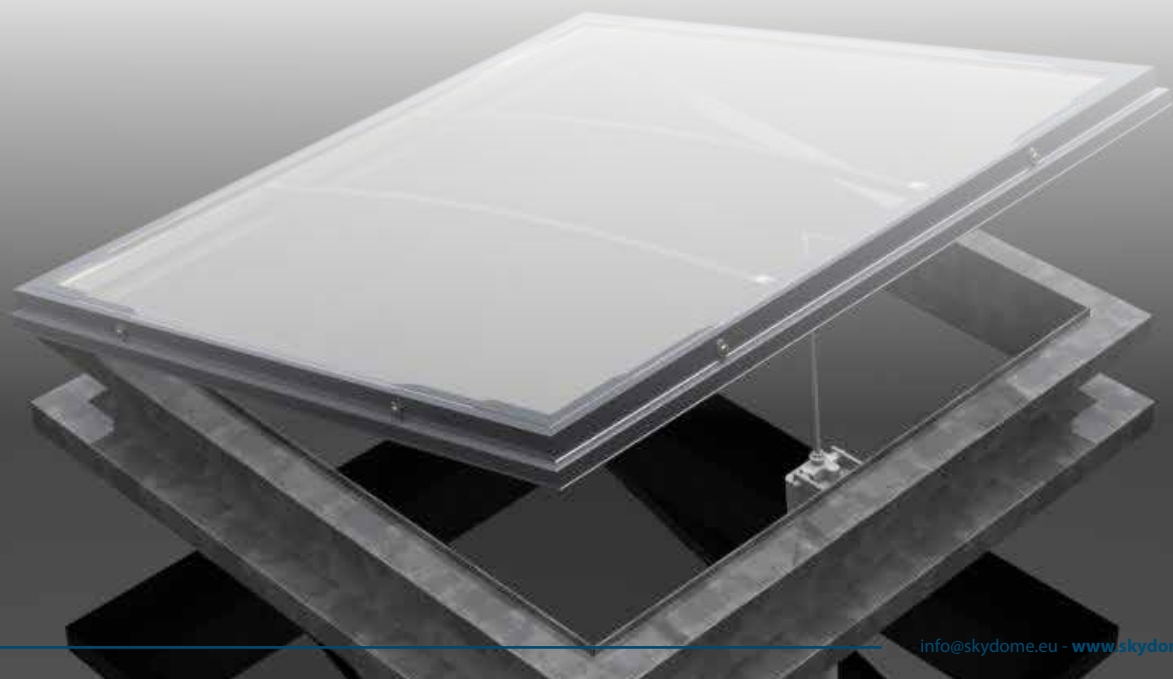
|                                                | S.PC 16  | S.PC 16+ | S.PC 32   | S.PC 32 & dome | S.PC 32+ | S.PC 32+ & dome | Opaque 40 mm aluminium cover | Triple dome | Acoustik' Light |
|------------------------------------------------|----------|----------|-----------|----------------|----------|-----------------|------------------------------|-------------|-----------------|
| Noise reduction Rw (C;Ctr) (dB)                | 17(-2;2) | 19(0;-1) | 20(-2;-1) | 25(-1;-3)      | 21(0;0)  | 26(-1;-3)       | 23(-1;-3)                    | 20(0;-2)    | 25(-1;-1)       |
| Intensity level generated by the rain LIA (dB) | 77       | 74       | 75        | 63             | 72       | 61              | 63                           | 63          | 66              |

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

RA = Rw + C = "pink noise" reduction index

RA,tr = Rw + Ctr = "road noise" reduction index

\*The acoustic performance of the device with ACOUSTIK' LIGHT glazing is declared only for the CONFORT and ELITE ranges.





## CLASSIC

### IMPROVED THERMAL INSULATION

> Over the kerb height

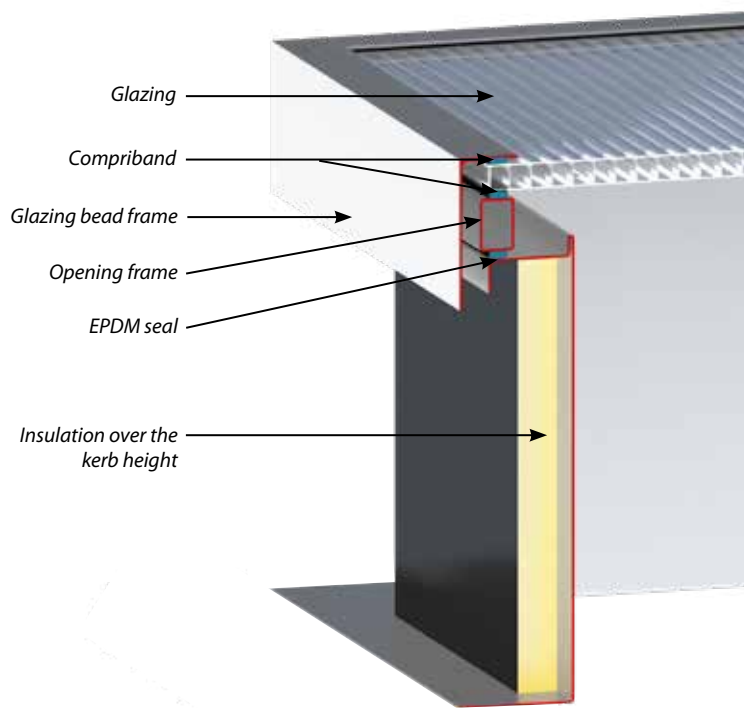
✓ **WIDE CHOICE OF GLAZING** meeting the various thermal, light transmission and solar factor performances

✓  $U_{RC} = 1.7 \text{ W/m}^2 \cdot \text{K}^*$

✓ **BETTER WATERPROOFING**

✓ Noise reduction **FROM 17 DB**

✓ **COMPLIANT WITH FRENCH LEGISLATION (DTU)** currently in force



### — THERMAL PERFORMANCES: $U_{RC}$ (W/m<sup>2</sup>.K) AND $A_{RC}$ (m<sup>2</sup>)

| AIRDÔME®        |                  |                       |          |           |                                           |          |                  |                       |          |            |                                           |          |
|-----------------|------------------|-----------------------|----------|-----------|-------------------------------------------|----------|------------------|-----------------------|----------|------------|-------------------------------------------|----------|
| Dimensions (cm) | Kerb 360 mm high |                       |          |           |                                           |          | Kerb 410 mm high |                       |          |            |                                           |          |
|                 | $U_{RC}$         |                       |          |           |                                           | $A_{RC}$ | $U_{RC}$         |                       |          |            |                                           | $A_{RC}$ |
|                 | Acoustik' Light  | Triple dome & S.PC 16 | S.PC 16+ | S.PC 32** | S.PC 32+** & opaque 40 mm aluminium cover |          | Acoustik' Light  | Triple dome & S.PC 16 | S.PC 16+ | S.PC ** 32 | S.PC 32+** & opaque 40 mm aluminium cover |          |
| 50 x 50         | 2.7              | 2.6                   | 2.3      | 2.4       | 2.2                                       | 1.5      | 2.6              | 2.5                   | 2.2      | 2.3        | 2.1                                       | 1.6      |
| 85 x 85         | 2.6              | 2.5                   | 2.2      | 2.3       | 2.1                                       | 2.5      | 2.5              | 2.4                   | 2.1      | 2.2        | 2.0                                       | 2.7      |
| 100 x 100       | 2.5              | 2.4                   | 2.1      | 2.2       | 2.0                                       | 3.1      | 2.4              | 2.3                   | 2.0      | 2.1        | 1.9                                       | 3.3      |
| 120 x 120       | 2.5              | 2.4                   | 2.1      | 2.2       | 2.0                                       | 3.8      | 2.4              | 2.3                   | 2.0      | 2.1        | 1.9                                       | 4.1      |
| 140 x 140       | 2.4              | 2.3                   | 2.0      | 2.1       | 1.9                                       | 4.7      | 2.3              | 2.2                   | 1.9      | 2.0        | 1.8                                       | 5.0      |
| 150 x 150       | 2.4              | 2.3                   | 2.0      | 2.1       | 1.9                                       | 5.2      | 2.3              | 2.2                   | 1.9      | 2.0        | 1.8                                       | 5.5      |
| 160 x 160       | 2.4              | 2.3                   | 2.0      | 2.1       | 1.9                                       | 5.6      | 2.3              | 2.2                   | 1.9      | 2.0        | 1.8                                       | 6.0      |
| 180 x 180       | 2.3              | 2.2                   | 1.9      | 2.0       | 1.8                                       | 6.6      | 2.2              | 2.1                   | 1.8      | 1.9        | 1.7                                       | 7.0      |
| 195 x 200       | 2.3              | 2.2                   | 1.9      | 2.0       | 1.8                                       | 7.6      | 2.2              | 2.1                   | 1.8      | 1.9        | 1.7                                       | 8.0      |
| 70 x 100        | 2.6              | 2.5                   | 2.2      | 2.3       | 2.1                                       | 2.5      | 2.5              | 2.4                   | 2.1      | 2.2        | 2.0                                       | 2.7      |
| 100 x 140       | 2.5              | 2.4                   | 2.1      | 2.2       | 2.0                                       | 3.8      | 2.4              | 2.3                   | 2.0      | 2.1        | 1.9                                       | 4.0      |
| 100 x 150       | 2.5              | 2.4                   | 2.1      | 2.2       | 2.0                                       | 4.0      | 2.4              | 2.3                   | 2.0      | 2.1        | 1.9                                       | 4.2      |
| 100 x 200       | 2.4              | 2.3                   | 2.0      | 2.1       | 1.9                                       | 4.9      | 2.3              | 2.2                   | 1.9      | 2.0        | 1.8                                       | 5.2      |
| 140 x 200       | 2.4              | 2.3                   | 2.0      | 2.1       | 1.9                                       | 6.0      | 2.3              | 2.2                   | 1.9      | 2.0        | 1.8                                       | 6.4      |

\* For a system measuring 180 x 180 cm, kerb 410 mm high, S.PC 32+ glazing.  
 \*\* Adding a dome has no impact on the thermal conductance of the Urc device.

## CONFORT

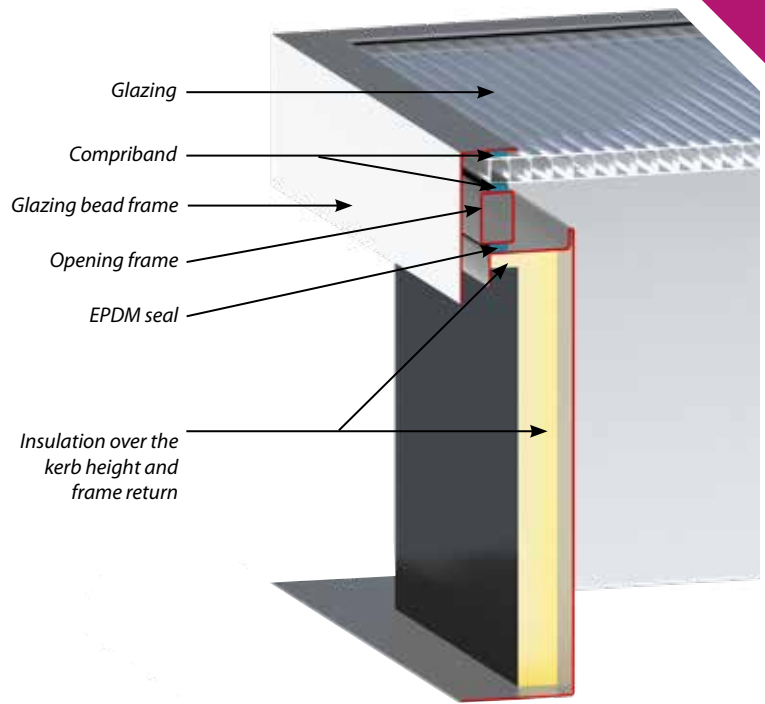
### THERMAL CONDUCTANCE $U_{RC}$ :

> 40% more efficient than the CLASSIC range

✓ WIDE RANGE OF GLAZING

✓  $U_{RC} = 1.0 \text{ W/m}^2 \cdot \text{K}^*$

✓ COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



### — THERMAL PERFORMANCES: $U_{RC}$ (W/m<sup>2</sup>.K) AND $A_{RC}$ (m<sup>2</sup>)

| AIRDÔME®        |                  |                       |          |           |                                           |          |                  |                       |          |           |                                           |          |
|-----------------|------------------|-----------------------|----------|-----------|-------------------------------------------|----------|------------------|-----------------------|----------|-----------|-------------------------------------------|----------|
| Dimensions (cm) | Kerb 360 mm high |                       |          |           |                                           |          | Kerb 410 mm high |                       |          |           |                                           |          |
|                 | $U_{RC}$         |                       |          |           |                                           | $A_{RC}$ | $U_{RC}$         |                       |          |           |                                           | $A_{RC}$ |
|                 | Acoustik' Light  | Triple dome & S.PC 16 | S.PC 16+ | S.PC 32** | S.PC 32+** & opaque 40 mm aluminium cover |          | Acoustik' Light  | Triple dome & S.PC 16 | S.PC 16+ | S.PC 32** | S.PC 32+** & opaque 40 mm aluminium cover |          |
| 50 x 50         | 2.0              | 1.9                   | 1.6      | 1.7       | 1.5                                       | 1.5      | 1.9              | 1.8                   | 1.5      | 1.6       | 1.3                                       | 1.6      |
| 85 x 85         | 1.9              | 1.8                   | 1.5      | 1.6       | 1.4                                       | 2.5      | 1.8              | 1.7                   | 1.4      | 1.5       | 1.2                                       | 2.7      |
| 100 x 100       | 1.8              | 1.7                   | 1.4      | 1.5       | 1.3                                       | 3.1      | 1.7              | 1.6                   | 1.3      | 1.4       | 1.1                                       | 3.3      |
| 120 x 120       | 1.8              | 1.7                   | 1.4      | 1.5       | 1.3                                       | 3.8      | 1.7              | 1.6                   | 1.3      | 1.4       | 1.1                                       | 4.1      |
| 140 x 140       | 1.8              | 1.7                   | 1.4      | 1.5       | 1.3                                       | 4.7      | 1.7              | 1.6                   | 1.3      | 1.4       | 1.1                                       | 5.0      |
| 150 x 150       | 1.8              | 1.7                   | 1.4      | 1.5       | 1.3                                       | 5.2      | 1.7              | 1.6                   | 1.3      | 1.4       | 1.1                                       | 5.5      |
| 160 x 160       | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 5.6      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 6.0      |
| 180 x 180       | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 6.6      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 7.0      |
| 195 x 200       | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 7.6      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 8.0      |
| 70 x 100        | 1.9              | 1.8                   | 1.5      | 1.6       | 1.4                                       | 2.5      | 1.8              | 1.7                   | 1.4      | 1.5       | 1.2                                       | 2.7      |
| 100 x 140       | 1.8              | 1.7                   | 1.4      | 1.5       | 1.3                                       | 3.8      | 1.7              | 1.6                   | 1.3      | 1.4       | 1.1                                       | 4.0      |
| 100 x 150       | 1.8              | 1.7                   | 1.4      | 1.5       | 1.3                                       | 4.0      | 1.7              | 1.6                   | 1.3      | 1.4       | 1.1                                       | 4.2      |
| 100 x 200       | 1.8              | 1.7                   | 1.4      | 1.5       | 1.3                                       | 4.9      | 1.7              | 1.6                   | 1.3      | 1.4       | 1.1                                       | 5.2      |
| 140 x 200       | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 6.0      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 6.4      |

\* For a system measuring 180 x 180 cm, kerb 410 mm high, S.PC 32+ glazing.

\*\* Adding a dome has no impact on the thermal conductance of the Urc device.



## ELITE

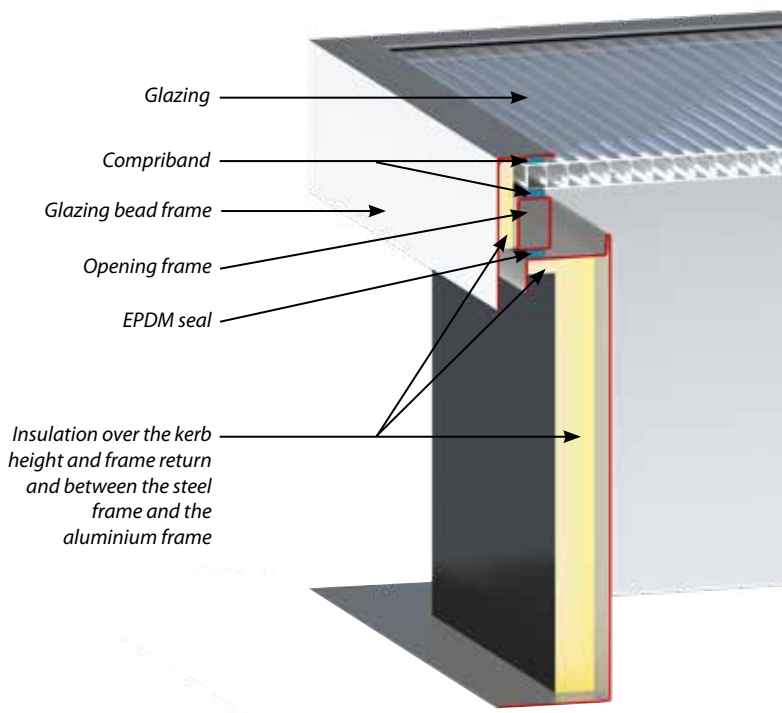
### THERMAL CONDUCTANCE $U_{RC}$ :

> 50% more efficient than the CLASSIC range

✓ WIDE RANGE OF GLAZING

✓  $U_{RC} = 0.9 \text{ W/m}^2 \cdot \text{K}^*$

✓ COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



## — THERMAL PERFORMANCES: $U_{RC}$ (W/m<sup>2</sup>.K) AND $A_{RC}$ (m<sup>2</sup>)

| AIRDÔME®        |                  |                       |          |           |                                           |          |                  |                       |          |           |                                           |          |
|-----------------|------------------|-----------------------|----------|-----------|-------------------------------------------|----------|------------------|-----------------------|----------|-----------|-------------------------------------------|----------|
| Dimensions (cm) | Kerb 360 mm high |                       |          |           |                                           |          | Kerb 410 mm high |                       |          |           |                                           |          |
|                 | $U_{RC}$         |                       |          |           |                                           | $A_{RC}$ | $U_{RC}$         |                       |          |           |                                           | $A_{RC}$ |
|                 | Acoustik' Light  | Triple dome & S.PC 16 | S.PC 16+ | S.PC 32** | S.PC 32+** & opaque 40 mm aluminium cover |          | Acoustik' Light  | Triple dome & S.PC 16 | S.PC 16+ | S.PC 32** | S.PC 32+** & opaque 40 mm aluminium cover |          |
| 50 x 50         | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 1.5      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 1.6      |
| 85 x 85         | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 2.5      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 2.7      |
| 100 x 100       | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 3.1      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 3.3      |
| 120 x 120       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 3.8      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 4.1      |
| 140 x 140       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 4.7      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 5.0      |
| 150 x 150       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 5.2      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 5.5      |
| 160 x 160       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 5.6      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 6.0      |
| 180 x 180       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 6.6      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 7.0      |
| 195 x 200       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 7.6      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 8.0      |
| 70 x 100        | 1.7              | 1.6                   | 1.3      | 1.4       | 1.2                                       | 2.5      | 1.6              | 1.5                   | 1.2      | 1.3       | 1.0                                       | 2.7      |
| 100 x 140       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 3.8      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 4.0      |
| 100 x 150       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 4.0      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 4.2      |
| 100 x 200       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 4.9      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 5.2      |
| 140 x 200       | 1.6              | 1.5                   | 1.2      | 1.3       | 1.1                                       | 6.0      | 1.5              | 1.4                   | 1.1      | 1.2       | 0.9                                       | 6.4      |

\* For a system measuring 180 x 180 cm, kerb 410 mm high, S.PC 32+ glazing.

\*\* Adding a dome has no impact on the thermal conductance of the Urc device.

**A CLOSER  
LOOK AT ...**

### THE AIRDÔME® ADAPTER PLATE FOR RENOVATION AND CONFORMITY

#### — THERMAL PERFORMANCES: $U_{RC}$ (W/m<sup>2</sup>.K) AND $A_{RC}$ (m<sup>2</sup>)

| AIRDÔME® ADAPTER PLATE  |                      |                                |              |             |                                                           |          |                      |                |              |             |                                                           |          |                      |                |              |             |                                                           |          |
|-------------------------|----------------------|--------------------------------|--------------|-------------|-----------------------------------------------------------|----------|----------------------|----------------|--------------|-------------|-----------------------------------------------------------|----------|----------------------|----------------|--------------|-------------|-----------------------------------------------------------|----------|
| Dimen-<br>sions<br>(cm) | CLASSIC ★            |                                |              |             |                                                           |          | CONFORT ★★           |                |              |             |                                                           |          | ELITE ★★★            |                |              |             |                                                           |          |
|                         | $U_{RC}$             |                                |              |             |                                                           | $A_{RC}$ | $U_{RC}$             |                |              |             |                                                           | $A_{RC}$ | $U_{RC}$             |                |              |             |                                                           | $A_{RC}$ |
|                         | Acous-<br>tik' Light | Triple<br>dome<br>& S.PC<br>16 | S.PC<br>16 + | S.PC<br>32* | S.PC<br>32+* &<br>opaque<br>40 mm alumin-<br>ium<br>cover |          | Acous-<br>tik' Light | Triple<br>dome | S.PC<br>16 + | S.PC<br>32* | S.PC<br>32+* &<br>opaque<br>40 mm alumin-<br>ium<br>cover |          | Acous-<br>tik' Light | Triple<br>dome | S.PC<br>16 + | S.PC<br>32* | S.PC<br>32+* &<br>opaque<br>40 mm alumin-<br>ium<br>cover |          |
| 50 x 50                 | 3.6                  | 3.5                            | 3.3          | 3.4         | 3.2                                                       | 1.1      | 3.0                  | 2.9            | 2.6          | 2.7         | 2.5                                                       | 1.1      | 2.9                  | 2.8            | 2.5          | 2.6         | 2.4                                                       | 1.1      |
| 85 x 85                 | 3.3                  | 3.2                            | 2.9          | 3.0         | 2.7                                                       | 1.8      | 2.7                  | 2.6            | 2.2          | 2.3         | 2.0                                                       | 1.8      | 2.6                  | 2.5            | 2.1          | 2.2         | 1.9                                                       | 1.8      |
| 100 x 100               | 3.2                  | 3.1                            | 2.8          | 2.9         | 2.6                                                       | 2.3      | 2.6                  | 2.5            | 2.1          | 2.2         | 1.9                                                       | 2.3      | 2.5                  | 2.4            | 2.0          | 2.1         | 1.8                                                       | 2.3      |
| 120 x 120               | 3.1                  | 3.0                            | 2.6          | 2.7         | 2.4                                                       | 2.9      | 2.5                  | 2.4            | 2.0          | 2.1         | 1.7                                                       | 2.9      | 2.4                  | 2.3            | 1.9          | 2.0         | 1.6                                                       | 2.9      |
| 140 x 140               | 3.0                  | 2.9                            | 2.5          | 2.6         | 2.3                                                       | 3.6      | 2.4                  | 2.3            | 1.9          | 2.0         | 1.6                                                       | 3.6      | 2.3                  | 2.2            | 1.8          | 1.9         | 1.5                                                       | 3.6      |
| 150 x 150               | 2.9                  | 2.8                            | 2.5          | 2.6         | 2.3                                                       | 4.0      | 2.3                  | 2.2            | 1.8          | 1.9         | 1.6                                                       | 4.0      | 2.2                  | 2.1            | 1.7          | 1.8         | 1.5                                                       | 4.0      |
| 160 x 160               | 2.9                  | 2.8                            | 2.4          | 2.5         | 2.2                                                       | 4.4      | 2.3                  | 2.2            | 1.8          | 1.9         | 1.5                                                       | 4.4      | 2.2                  | 2.1            | 1.7          | 1.8         | 1.4                                                       | 4.4      |
| 180 x 180               | 2.8                  | 2.7                            | 2.3          | 2.4         | 2.1                                                       | 5.2      | 2.2                  | 2.1            | 1.7          | 1.8         | 1.4                                                       | 5.2      | 2.1                  | 2.0            | 1.6          | 1.7         | 1.3                                                       | 5.2      |
| 195 x 200               | 2.7                  | 2.6                            | 2.3          | 2.4         | 2.1                                                       | 6.1      | 2.2                  | 2.1            | 1.6          | 1.7         | 1.3                                                       | 6.1      | 2.1                  | 2.0            | 1.5          | 1.6         | 1.2                                                       | 6.1      |
| 70 x 100                | 3.3                  | 3.2                            | 2.9          | 3.0         | 2.7                                                       | 1.8      | 2.7                  | 2.6            | 2.3          | 2.4         | 2.1                                                       | 1.8      | 2.6                  | 2.5            | 2.2          | 2.2         | 2.0                                                       | 1.8      |
| 100 x 140               | 3.1                  | 3.0                            | 2.7          | 2.8         | 2.5                                                       | 2.9      | 2.5                  | 2.4            | 2.0          | 2.1         | 1.8                                                       | 2.9      | 2.4                  | 2.3            | 1.9          | 2.0         | 1.7                                                       | 2.9      |
| 100 x 150               | 3.1                  | 3.0                            | 2.6          | 2.7         | 2.4                                                       | 3.0      | 2.5                  | 2.4            | 2.0          | 2.1         | 1.7                                                       | 3.0      | 2.4                  | 2.3            | 1.9          | 2.0         | 1.6                                                       | 3.0      |
| 100 x 200               | 3.0                  | 2.9                            | 2.6          | 2.7         | 2.4                                                       | 3.7      | 2.4                  | 2.3            | 1.9          | 2.0         | 1.7                                                       | 3.7      | 2.3                  | 2.2            | 1.8          | 1.9         | 1.6                                                       | 3.7      |
| 140 x 200               | 2.9                  | 2.8                            | 2.4          | 2.5         | 2.2                                                       | 4.7      | 2.3                  | 2.2            | 1.8          | 1.9         | 1.5                                                       | 4.7      | 2.2                  | 2.1            | 1.7          | 1.8         | 1.4                                                       | 4.7      |

\* Adding a dome has no impact on the thermal conductance of the Urc device.



· VENTILATION  
· DAYLIGHTING

SUBSTRATE:  
Watertight roof/  
Existing kerb



# AIRDÔME® MANUAL/ELECTRIC

## A CLOSER LOOK AT ...

## THE AIRDÔME® ADAPTER PLATE FOR RENOVATION AND CONFORMITY

The AIRDÔME® 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.**

### OPTIONS

List of standard options p.1

#### Kerb

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

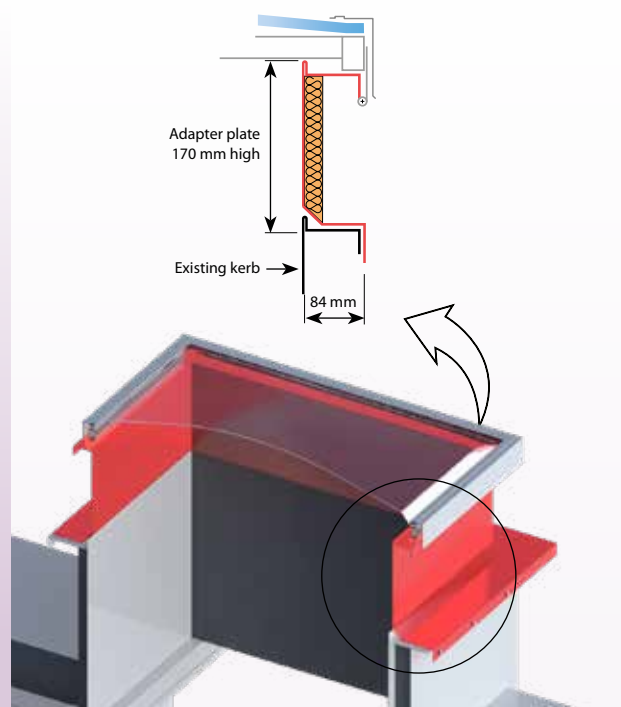


## GEOMETRICAL DIMENSIONS

| Opening dimensions<br>A x B (cm) | Overall heel dimensions<br>C x D (cm) | Height H* (cm) |     | Lighting surface area (m²) | Weight (kg) |       |
|----------------------------------|---------------------------------------|----------------|-----|----------------------------|-------------|-------|
|                                  |                                       | S.PC           | 3xD |                            | Man.        | Elec. |
| 50 x 50                          | 67 x 67                               | 22             | 34  | 0.25                       | 22          | 24    |
| 85 x 85                          | 102 x 102                             | 23             | 41  | 0.73                       | 39          | 41    |
| 100 x 100                        | 117 x 117                             | 23             | 42  | 1.00                       | 48          | 50    |
| 120 x 120                        | 137 x 137                             | 23             | 45  | 1.44                       | 60          | 62    |
| 140 x 140                        | 157 x 157                             | 23             | 48  | 1.96                       | 73          | 75    |
| 150 x 150                        | 167 x 167                             | 23             | 50  | 2.25                       | 80          | 82    |
| 160 x 160                        | 177 x 177                             | 23             | 51  | 2.56                       | 87          | 89    |
| 180 x 180                        | 197 x 197                             | 25             | 54  | 3.24                       | 102         | 104   |
| 195 x 200                        | 212 x 217                             | 25             | 59  | 3.90                       | 119         | 121   |
| 70 x 100                         | 87 x 117                              | 22             | 37  | 1.50                       | 39          | 41    |
| 100 x 140                        | 117 x 157                             | 23             | 42  | 2.00                       | 59          | 61    |
| 100 x 150                        | 117 x 167                             | 23             | 42  | 2.40                       | 62          | 64    |
| 100 x 200                        | 117 x 217                             | 25             | 42  | 2.80                       | 77          | 79    |
| 140 x 200                        | 157 x 217                             | 25             | 48  | 3.00                       | 94          | 96    |

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

## INSTALLATION DIAGRAM



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