



THERMIK'

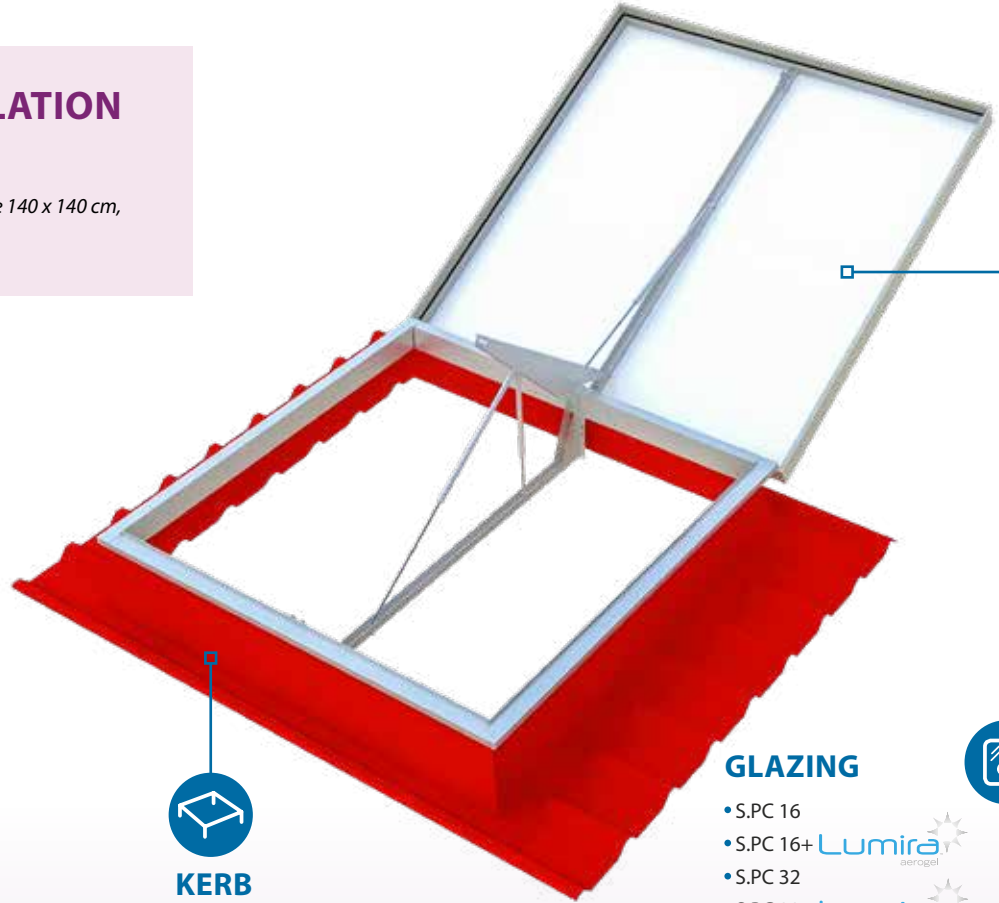
CLASSIC

ROOFLAM[®] ÉVOLUTREUIL

OPTIMUM INSULATION

Urc: 2.3 W/m².K

(ROOFLAM ÉVOLUTREUIL 32+, size 140 x 140 cm,
kerb 310 mm high)



CONTROL

- Intrinsic energy opening
- Cable-operated closure
- Built-in mechanism



KERB

- Polyester base with canted insulated opening 310 mm high



GLAZING

- S.PC 16
- S.PC 16+ Lumira^{aérogel}
- S.PC 32
- S.PC 32+ Lumira^{aérogel}
- PMMA triple dome
- Acoustik' Light 

OPTIONS

Glazing	Kerb	Other
<ul style="list-style-type: none"> • Opal IR S.PC 16 • Grey S.PC 16 • Transparent S.PC 16 • Insulated aluminium cover • Solid PC triple dome 	<ul style="list-style-type: none"> • Powder-coating on inside and outside (standard RAL colours) 	<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 • Burglar-resistant grid with anti-sawing protection (16 x 16 + R6 assembly), galvanised or powder-coated in standard RAL colours • Variable underside insulation thickness

RAL colours on outer walls

- Standard shade

RAL 9010*

- RAL colours without added-value**

RAL 5008

RAL 7015

RAL 7022

RAL 8012

*Inside RAL colour in RAL 9010 only
**Other colour: contact us

AVAILABLE IN



ACOUSTIK' LIGHT



— GEOMETRICAL DIMENSIONS

Opening dimensions* CA x CB (cm)	Support dimensions (cm)	Height H** (cm)		Lighting surface area (m ²)	E (cm)	Weight*** with security bars (kg)	
		S.PC	DD			S.PC	DD
100 x 100	See base search engine on our website: www.skydome.eu	37	56	1.00	165	81	87
120 x 120		37	59	1.44	195	94	103
140 x 140		37	62	1.96	220	106	120
150 x 150		37	64	2.25	235	111	127
160 x 160		37	65	2.56	250	118	-
100 x 150		37	56	1.50	165	90	100
100 x 200		39	59	2.00	165	114	128
120 x 200		39	59	2.40	195	123	140
140 x 200		39	62	2.80	220	132	153

Please contact us for other sizes. *The dimensions of the bases have a tolerance of +/- 5 mm. **For a base 310 mm high. ***Weight given for device on sheeted roof

— 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⁾	LIA (dB) ⁽⁴⁾	
	U _{hor} ⁽¹⁾	U _{vert} ⁽¹⁾						
S.PC	Opal multi-wall S.PC 16	2.0	1.8	54%	55%	B _s 1,d0 R _w =19 dB, R _A =19 dB R _{A,tr} =17 dB	77	
	S.PC 16 with transparent Lumira™ Aerogel	1.31	ND	67%	67%	B _s 1,d0 R _w =21 dB, R _A =21 dB R _{A,tr} =19 dB	69	
	Transparent multi-wall S.PC 32	1.4	1.25	64%	57%	B _s 1,d0 R _w =19 dB, R _A =18 dB R _{A,tr} =18 dB	75	
	S.PC 32 with 50% transparent Lumira™ Aerogel	0.8	ND	43%	45%	B _s 2,d0 R _w =21 dB, R _A =21 dB R _{A,tr} =20 dB	72	
Cover	40 mm aluminium cover	0.85	ND	0%	ND	ND	63	
Dome	Opal PMMA triple dome <i>Opal PMMA upper dome + transp. PMMA int. dome + transp. PMMA lower dome</i>	2.0	1.95	61%	ND	E	ND	63
	Opal solid PC triple dome <i>Opal solid PC upper dome + transp. solid PC int. dome + transp. solid PC lower dome</i>	2.0	1.95	61%	ND	B _s 2,d0	ND	63
Acoustik' Light	Acoustik' Light <i>Transparent S.PC 10 & transparent PCP 6</i>	2.1	ND	54	37	ND R _w =27 dB, R _A =R _{A,tr} =26 dB	66	

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

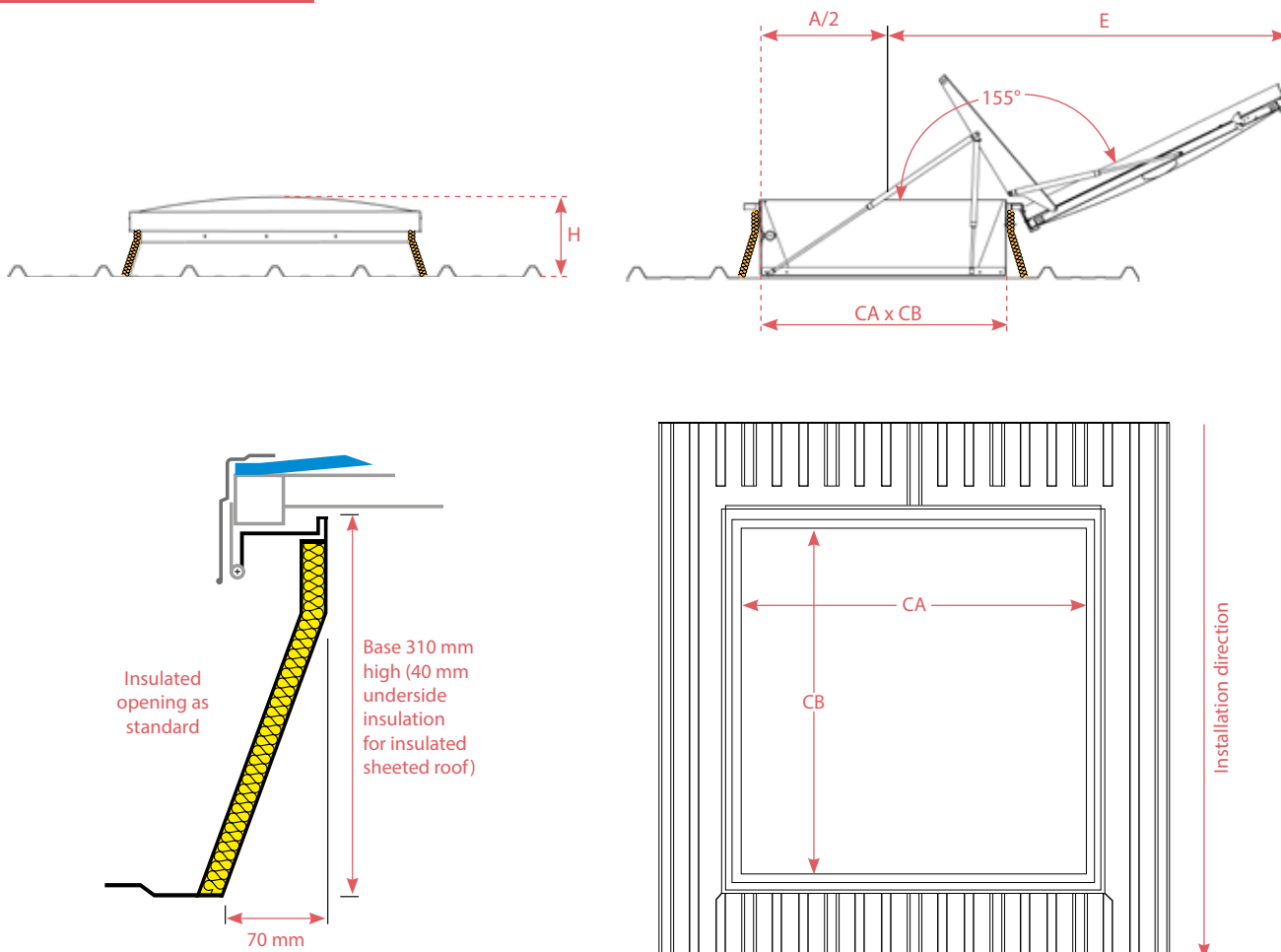
⁽²⁾ Regular light transmission factor TL D65 and total solar transmission factor FS (TST or g) according to EN 410.

⁽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.

⁽⁴⁾ The system's noise reduction indexes R and sound intensity levels LIA generated by rain measured in the laboratory according to NF EN ISO 140.

TECHNICAL DIAGRAMS

ROOFLAM® ÉVOLUTREUIL S.PC



CE PERFORMANCES

Evacuation system opening:
type B (opening + closing)

Reliability: Re 300

Low ambient temperature: T(0°)

Resistance to heat: B₃₀₀

Heat triggering temperature:
Eutectic fuse calibrated to 93° C

Wind load: WL1500

Opening under load: SL250 and SL500
depending on the glazing and size

Also available in WL 3000 (hurricane-proof) for sizes ≤ 140 x 140 cm.

Contact us.

CONFORMITY AND IMPLEMENTATION

CE-certified natural smoke and heat exhaust ventilator system compliant with standard **NF EN 12101-2 (product certification no. 0333 CPR 219018).**

Fastening and sealing must comply with the requirements set out in French legislation (DTU) series 40.35 (NF P 34-205-1).

Maximum authorised tilt when the hinge axis is parallel to the roof slope:

- When the geometric surface (A_v) < 2 m² → 25° or 46.65%
- When the geometric surface (A_v) > 2 m² → 20° or 36.45%

In these two cases, the hinges are positioned on the right when looking towards the roof ridge.

Maximum authorised tilt when the hinge axis is perpendicular to the roof slope is 25° or 46.65%

- When the geometric surface (A_v) > 2 m² → 20° or 36.45%

In this case, the hinges are positioned at the bottom of the slope.

Only the security bar option guarantees 1200-joule protection.

Declaration of Performance available at www.skydome.eu



— MAXIMUM PERMISSIBLE OVERLOADS SL (Pa)

Dimensions (cm)	Opening pressure (bar)							
	S.PC16/S.PC16 +		S.PC32/S.PC 32+/ 40 mm cover		S.PC32 & dome		S.PC32 & dome/Triple Dome/ Acoustik' Light	
	SL250	SL500	SL250	SL500	SL250	SL500	SL250	SL500
100 x 100								
120 x 120								
140 x 140								
150 x 150								
160 x 160								
100 x 150								
100 x 200								
120 x 200								
140 x 200								

Centred crossbar

— AIRFLOW PERFORMANCES

Dimensions (cm)	Av (m ²)	Aa (m ²)	
		SD	AD
100 x 100	1.30	0.70	0.87
120 x 120	1.80	0.97	1.20
140 x 140	2.37	1.27	1.60
150 x 150	2.69	1.43	1.82
160 x 160	3.03	1.61	2.05
100 x 150	1.87	1.01	1.25
100 x 200	2.44	1.32	1.64
120 x 200	2.87	1.45	1.95
140 x 200	3.30	1.68	2.24

*Only valid for insulated bases ≥ 30 mm.

**Effective lighting area (ELA) calculated with white powder-coated kerb and 16 mm structured polycarbonate and Urc according to standard NF EN 1873.

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

— AIR PERMEABILITY AND LIGHT SURFACE AREA

Dimensions (cm)	Air flow (m ³ /h) - Class AP06 ⁽¹⁾		ELA ⁽²⁾ (m ²)
	Under 4 Pa	Under 50 Pa	310 mm kerb
100 x 100	0.12	0.76	0.38
120 x 120	0.14	0.91	0.56
140 x 140	0.17	1.06	0.78
150 x 150	0.18	1.14	0.91
160 x 160	0.19	1.22	1.04
100 x 150	0.15	0.95	0.59
100 x 200	0.18	1.14	0.79
120 x 200	0.19	1.22	0.97
140 x 200	0.20	1.29	1.14

⁽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.

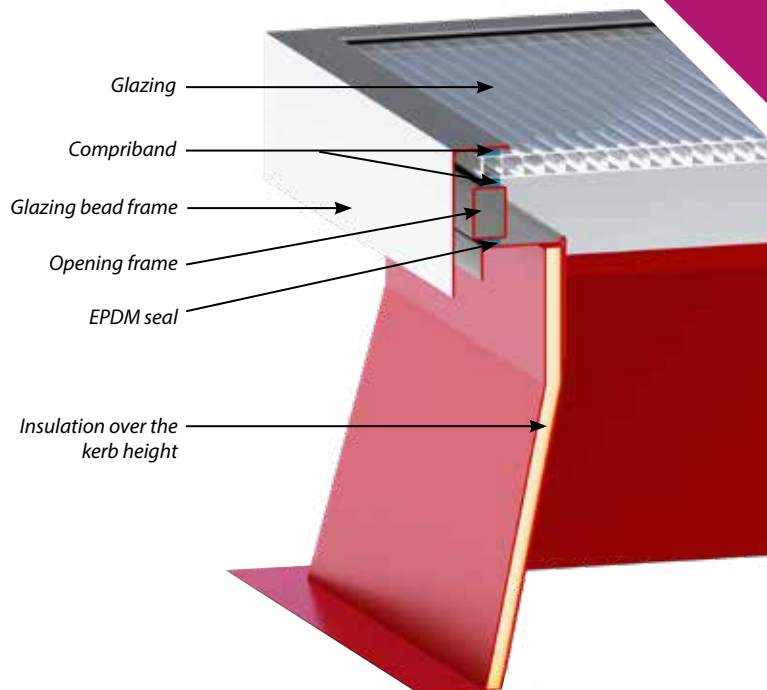


CLASSIC

IMPROVED THERMAL INSULATION

> Over the kerb height

- ✓ **WIDE RANGE OF GLAZING** meeting the various thermal, light transmission and solar factor performances
- ✓ $U_{RC} = 2.3 \text{ W/m}^2.K^*$
- ✓ **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)

ROOFLAM® ÉVOLUTREUIL						
Dimensions (cm)	Kerb 310 mm high					A_{RC}
	U_{RC}					
	Acoustik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32**	S.PC 32+** & opaque 40 mm aluminium cover	
100 x 100	2.9	2.8	2.6	2.7	2.5	2.6
120 x 120	2.9	2.8	2.5	2.6	2.4	3.4
140 x 140	2.8	2.7	2.4	2.5	2.3	4.2
150 x 150	2.8	2.7	2.4	2.5	2.3	4.6
160 x 160	2.7	2.6	2.4	2.5	-	5.1
100 x 150	2.9	2.8	2.5	2.6	2.4	3.5
100 x 200	2.8	2.7	2.5	2.6	2.4	4.4
120 x 200	2.8	2.7	2.4	2.5	2.3	4.9
140 x 200	2.7	2.6	2.4	2.5	2.3	5.5

* For a system measuring 140 x 140 cm, kerb 310 mm high, S.PC 32+ glazing.
 ** Adding a dome has no impact on the thermal conductance of the Urc device.



• NATURAL SMOKE EVACUATION
• DAYLIGHTING

SUBSTRATE:
Sheeted roof/
Sandwich panel



ROOFLAM[®]
ÉVOLUTREUIL

— **COMMERCIAL NAME**



CLASSIC ★		
Kerb insulation	Kerb 310 mm high Insulation: • over the kerb height	
Glazing	16 mm S.PC (opal S.PC)	16 mm S.PC with LUMIRA (transparent S.PC)
Commercial name	CLASSIC 16	CLASSIC 16+
	32 mm S.PC (transparent S.PC)	16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC)
	CLASSIC 32	CLASSIC 32+
	Triple dome Opal upper dome + transparent intermediate dome + transparent lower dome	CLASSIC 3xD
	40 mm aluminium cover	CLASSIC 40 OPAQUE
	10 mm S.PC + solid 6 mm PC	CLASSIC ACOUSTIK' LIGHT

Ref: 2018.10.ROOFLAM ÉVOLUTREUIL THERMIK - 10/2018 - Document is not contractual, photos are not contractual.
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of its devices at any time and with no prior notice. - SKYDÔME: +33 (0)3 23 21 79 90

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