SKYDÔME

- NATURAL SMOKE EVACUATION
- DAYLIGHTING
- ROOF ACCESS

SUBSTRATE:
Watertight roof / Existing kerb

NF CE

THERMIK'
CLASSIQUE | CONFORT | ELITE

PYRODÔME®
ÉVOLUTREUIL

OPTIMUM INSULATION
Urc: 0.9 W/m².K
(PYRODÔME ÉVOLUTREUIL ELITE 32+, size 160 x 160 cm, kerb 410 mm high)

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

CONTROL
- Manual opening/closing
- Built-in offset mechanism for opening sizes 100 x 100 cm and 120 x 120 cm

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

ACOUSTIK'

OPTIONS

Glazing
- Opal IR S.PC 16
- Grey S.PC 16
- Transparent S.PC 16
- Insulated aluminium cover
- Solid PC triple dome

Kerb
- 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
- With (AD) or without (SD) deflectors

Control
- Position contactor
- 93°C thermal trigger

Other
- 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
- 16 x 16 mm galvanised opening security bars
- Grey powder-coated bar to hook on ladder
- Grey powder-coated grab handle

ADAPTER PLATE P. 14

AVAILABLE IN ACOUSTIK' LIGHT

GEOMETRICAL DIMENSIONS

Opening dimensions A x B (cm)		Overall heel dimensions C x D (cm)		Height H* (cm)		Lighting surface area (m^2)	E (cm)	Weight (kg)	
Straight kerb	XL canted kerb	Straight kerb	XL canted kerb	Straight kerb	XL canted kerb			Straight kerb	XL canted kerb
100 x 100	**114 x 114**	118 x 118	132 x 132	42	42	1.00	165	63	67
120 x 120	**134 x 134**	138 x 138	152 x 152	42	42	1.44	186	76	81
140 x 140	**154 x 154**	158 x 158	172 x 172	42	42	1.96	207	90	95
150 x 150	**164 x 164**	168 x 168	182 x 182	42	42	2.25	228	96	102
160 x 160	**174 x 174**	178 x 178	192 x 192	42	42	2.56	240	103	109
100 x 150	**114 x 164**	118 x 168	132 x 182	42	42	1.50	165	76	81
100 x 200	**114 x 214**	118 x 218	132 x 232	44	44	2.00	165	90	96
120 x 200	**134 x 214**	138 x 218	152 x 232	44	44	2.40	186	98	105
140 x 200	**154 x 214**	158 x 218	172 x 232	44	44	2.80	207	106	113

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

GLAZING PERFORMANCES

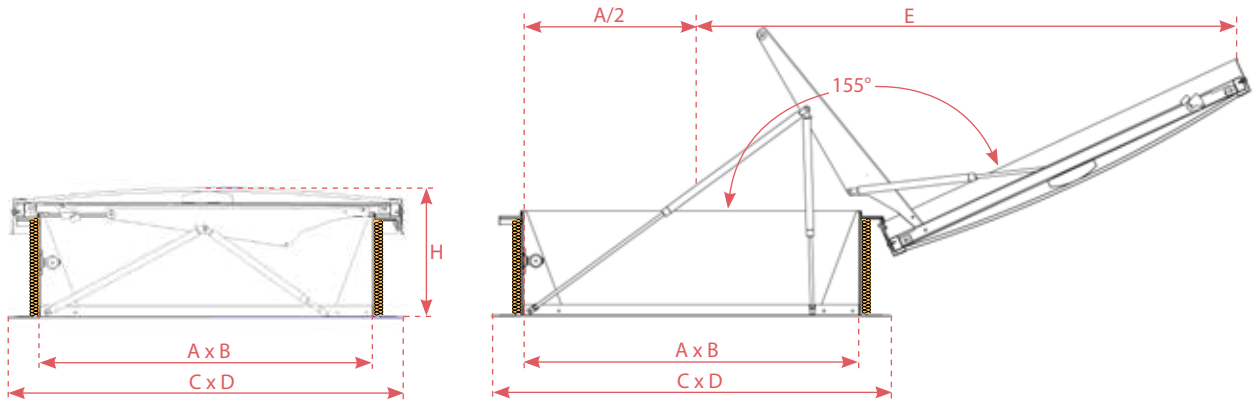
Other glazing: see "Glazing" technical data sheet

	Types of glazing	Heat transfer coefficient Ug ($W/m^2.K$)		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]				
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 $R_{A,tr}$=17 dB
S.PC	**S.PC 16 with transparent Lumira™ Aerogel**	1.31	ND	67%	67%	B,s1,d0	R_w=21 dB, R_A=21 dB $R_{A,tr}$=19 dB
S.PC	**Transparent multi-wall S.PC 32**	1.4	1.25	64%	57%	B,s1,d0	R_w=19 dB, R_A=18 dB $R_{A,tr}$=18 dB
S.PC	**S.PC 32 with 50% transparent Lumira™ Aerogel**	0.8	ND	43%	45%	B,s2,d0	R_w=21 dB, R_A=21 dB $R_{A,tr}$=20 dB
Cover	**40 mm aluminium cover**	0.85	ND	0%	ND	ND	63
Dome	**Opal solid PC triple dome** *Opal upper dome + transparent intermediate dome + transparent lower dome*	2.0	1.95	61%	ND	B,s2,d0	ND
Acoustik' Light	**Acoustik' Light** *Transparent S.PC 10 & transparent PCP 6*	2.1	ND	54	37	ND	R_w=27 dB, R_A=$R_{A,tr}$=26 dB

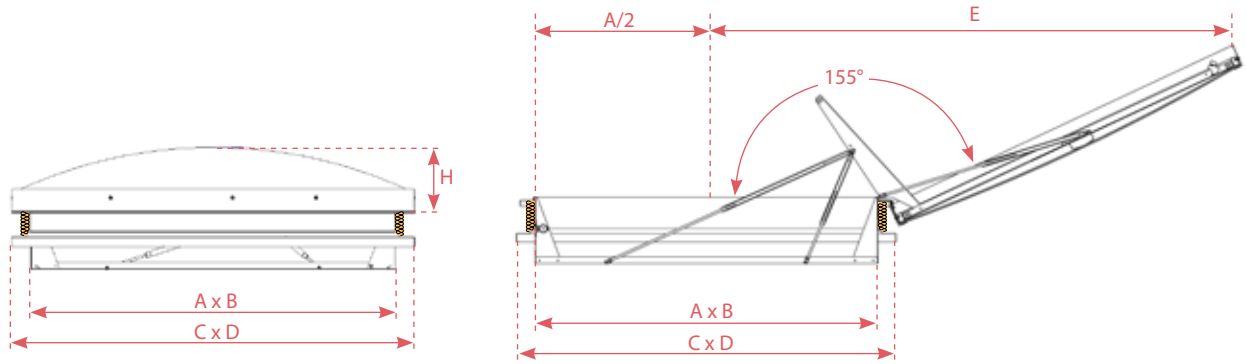
[1] According to §2.31 of the Th-Bat. rules.
[2] Regular light transmission factor TL D65 and total solar transmission factor FS (TST or g) according to EN 410.
[3] Glazing insulation to airborne noise Rw, pink noise RA (neighbourhood, airport and industrial activities) and road noise RA,Tr measured in the laboratory according to NF EN ISO 140.

TECHNICAL DIAGRAMS

PYRODÔME® ÉVOLUTREUIL S.PC



Adapter plate PYRODÔME® ÉVOLUTREUIL S.PC



CE PERFORMANCES

Evacuation system opening: type B (opening + closing)

Reliability: Re 300

Low ambient temperature: T(0°)

Resistance to heat: B_{300}

Heat triggering temperature: 93° C as standard

Wind load: WL1500

Opening under load: SL250 and SL500 depending on the glazing

CONFORMITY AND IMPLEMENTATION

CE-certified natural smoke and heat exhaust ventilator system compliant with standard **NF EN 12101-2 (product certification no. 0333 CPR 219016).**

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	Kerb **360 mm** high Insulation: • **over the kerb height**	Kerb **360 mm** high Insulation: • **over the kerb height** • **over the kerb frame return**	Kerb **360 mm** high Insulation: • **over the kerb height** • **over the kerb frame return** • **between the steel frame and the aluminium frame**

Glazing	Commercial name (CLASSIC ★)	Commercial name (CONFORT ★★)	Commercial name (ELITE ★★★)
16 mm S.PC (opal S.PC)	CLASSIC 16	CONFORT 16	ELITE 16
16 mm S.PC with LUMIRA (transparent S.PC)	CLASSIC 16+	CONFORT 16+	ELITE 16+
32 mm S.PC (transparent S.PC)	CLASSIC 32	CONFORT 32	ELITE 32
16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC)	CLASSIC 32+	CONFORT 32+	ELITE 32+
Triple dome Opal upper dome + transparent intermediate dome + transparent lower dome	CLASSIC 3xD	CONFORT 3xD	ELITE 3xD
40 mm aluminium cover	CLASSIC 40 OPAQUE	CONFORT 40 OPAQUE	ELITE 40 OPAQUE
10 mm S.PC + solid 6 mm PC	CLASSIC ACOUSTIK' LIGHT	CONFORT ACOUSTIK' LIGHT	ELITE ACOUSTIK' LIGHT

AIR PERMEABILITY AND LIGHT SURFACE AREA

Opening dimensions A x B (cm)	Air flow (m^3/h) - Class AP06[(1)]		ELA[(2)] (m^2)			
			Straight kerb		XL canted kerb	
	Under 4 Pa	Under 50 Pa	360 mm high	410 mm high	360 mm high	410 mm high
100 x 100	0.12	0.76	0.36	0.35	0.37	0.36
120 x 120	0.14	0.92	0.54	0.52	0.55	0.54
140 x 140	0.17	1.07	0.75	0.73	0.77	0.75
150 x 150	0.18	1.15	0.86	0.85	0.89	0.87
160 x 160	0.19	1.22	0.99	0.98	1.02	1.00
100 x 150	0.15	0.96	0.56	0.55	0.57	0.56
100 x 200	0.18	1.15	0.76	0.74	0.78	0.76
120 x 200	0.19	1.22	0.92	0.91	0.95	0.93
140 x 200	0.20	1.30	1.09	1.07	1.12	1.10

(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.

MECHANISM CONTROL

We provide upgradeable installation kits for the **PYRODÔME® ÉVOLUTREUIL** and the **PYRODÔME® ÉVOLUTREUIL ADAPTER PLATE** mechanism controls. These kits are easy to install with the option to combine a basic kit with several satellites (mechanical, pneumatic, electric).

See *Installation kits* technical data sheet for the full list of our kits.

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.

MAXIMUM PERMISSIBLE OVERLOADS SL (Pa)

Opening (cm)	Opening pressure							
	S.PC16/S.PC16+		S.PC32/S.PC32+/ 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

Choice of centred or offset crossbar

AIRFLOW PERFORMANCES

		PYRODÔME ÉVOLUTREUIL			PYRODÔME ÉVOLUTREUIL XL		
Opening dimensions A x B (cm)		Av (m^2)	Aa (m^2)		Av (m^2)	Aa (m^2)	
Straight kerb	XL canted kerb		SD	AD		SD	AD
100 x 100	114 x 114	1.00	0.55	0.68	1.30	0.70	0.87
120 x 120	134 x 134	1.44	0.78	0.96	1.80	0.97	1.20
140 x 140	154 x 154	1.96	1.04	1.28	2.37	1.27	1.60
150 x 150	164 x 164	2.25	1.18	1.45	2.69	1.43	1.82
160 x 160	174 x 174	2.56	1.34	1.63	3.03	1.61	2.05
100 x 150	114 x 164	1.50	0.81	1.00	1.87	1.01	1.25
100 x 200	114 x 214	2.00	1.00	1.33	2.44	1.32	1.64
120 x 200	134 x 214	2.40	1.21	1.59	2.87	1.45	1.95
140 x 200	154 x 214	2.80	1.42	1.85	3.30	1.68	2.24

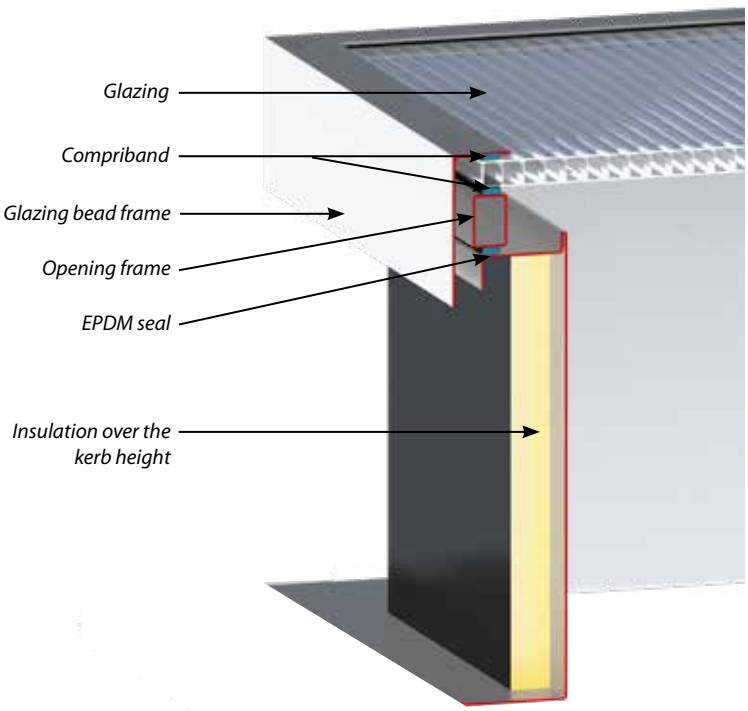
CLASSIC

CLASSIC

IMPROVED THERMAL INSULATION

> Over the kerb height

- WIDE CHOICE OF GLAZING meeting the various thermal, light transmission and solar factor performances
- U_{RC} = 1.8 W/m².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)

PYRODÔME® ÉVOLUTREUIL

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	
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	-	5.6	2.3	2.2	1.9	2.0	-	6.0
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
120 x 200	2.4	2.3	2.0	2.1	1.9	5.5	2.3	2.2	1.9	2.0	1.8	5.8
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 160 x 160 cm, kerb 410 mm high, S.PC 32+ glazing
** Adding a dome has no impact on the thermal conductance of the Urc device.

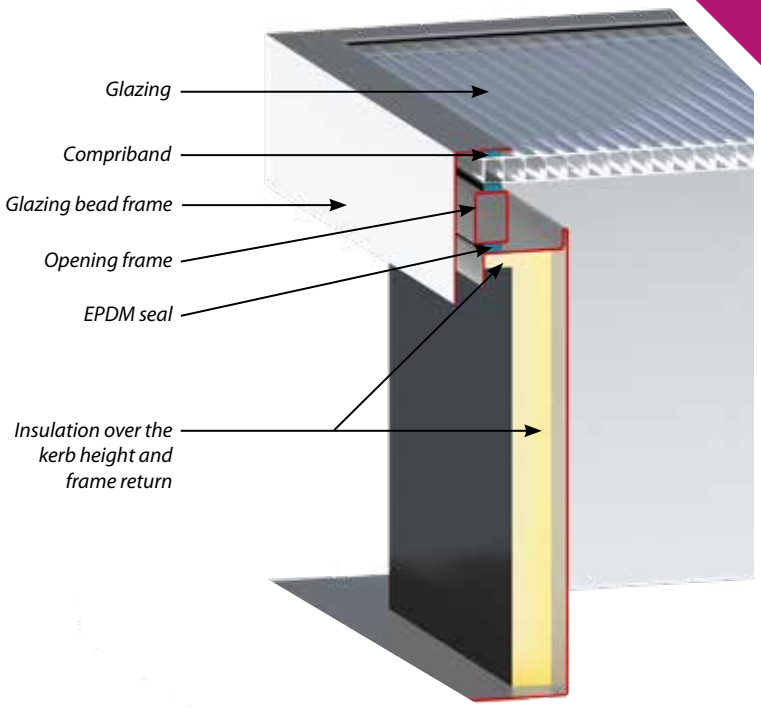
SKYDÔME

CONFORT

THERMAL CONDUCTANCE U_{RC}:

> 40% more efficient than the CLASSIC range

- WIDE RANGE OF GLAZING
- U_{RC} = 1.0 W/m².K*
- COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



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

PYRODÔME® ÉVOLUTREUIL

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	
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	-	5.6	1.6	1.5	1.2	1.3	-	6.0
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
120 x 200	1.8	1.7	1.4	1.5	1.3	5.5	1.7	1.6	1.3	1.4	1.1	5.8
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 160 x 160 cm, kerb 410 mm high, S.PC 32+ glazing
** Adding a dome has no impact on the thermal conductance of the Urc device.

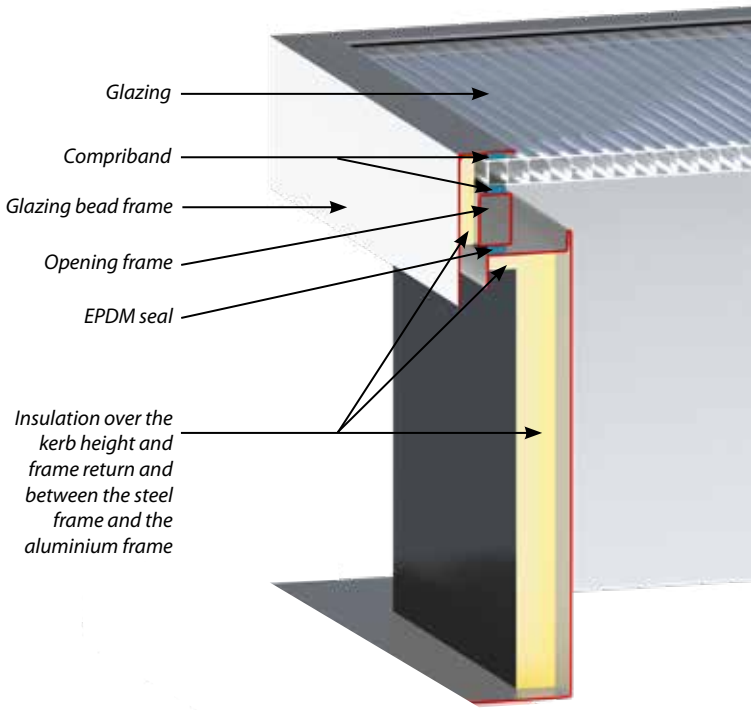
ELITE

ELITE

THERMAL CONDUCTANCE U_{RC}:

> 50% more efficient than the CLASSIC range

- WIDE RANGE OF GLAZING
- U_{RC} = 0.9 W/m².K*
- COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



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

PYRODÔME® ÉVOLUTREUIL

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	
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	-	5.6	1.5	1.4	1.1	1.2	-	6.0
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
120 x 200	1.6	1.5	1.2	1.3	1.1	5.5	1.5	1.4	1.1	1.2	0.9	5.8
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 160 x 160 cm, kerb 410 mm high, S.PC 32+ glazing
** Adding a dome has no impact on the thermal conductance of the Urc device.

PYRODÔME®
ÉVOLUTREUIL

SKYDÔME

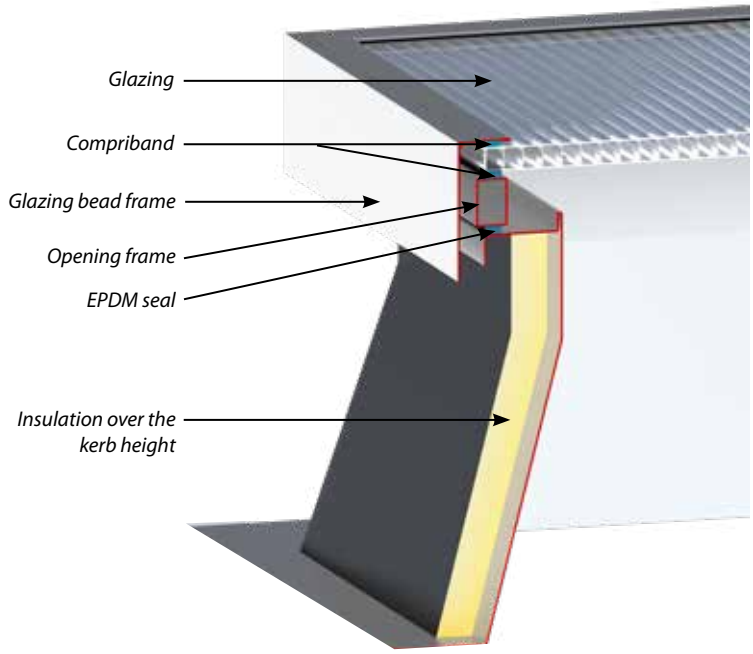
CLASSIC

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 W/m².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)

PYRODÔME® ÉVOLUTREUIL XL

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	
100 x 100	2.3	2.2	2.0	2.1	1.9	3.2	2.2	2.1	1.9	2.0	1.8	3.4
120 x 120	2.3	2.2	2.0	2.1	1.9	3.9	2.2	2.1	1.9	2.0	1.8	4.2
140 x 140	2.3	2.2	2.0	2.1	1.9	4.8	2.2	2.1	1.9	2.0	1.8	5.1
150 x 150	2.2	2.1	1.9	2.0	1.8	5.2	2.1	2.0	1.8	1.9	1.7	5.6
160 x 160	2.2	2.1	1.9	2.0	-	5.7	2.1	2.0	1.8	1.9	-	6.1
100 x 150	2.3	2.2	2.0	2.1	1.9	4.1	2.2	2.1	1.9	2.0	1.8	4.4
100 x 200	2.3	2.2	2.0	2.1	1.9	5.0	2.2	2.1	1.9	2.0	1.8	5.3
120 x 200	2.2	2.1	1.9	2.0	1.8	5.6	2.1	2.0	1.8	1.9	1.7	5.9
140 x 200	2.2	2.1	1.9	2.0	1.8	6.1	2.1	2.0	1.8	1.9	1.7	6.5

* For a system measuring 160 x 160 cm, kerb 410 mm high, S.PC 32+ glazing
** Adding a dome has no impact on the thermal conductance of the Urc device.

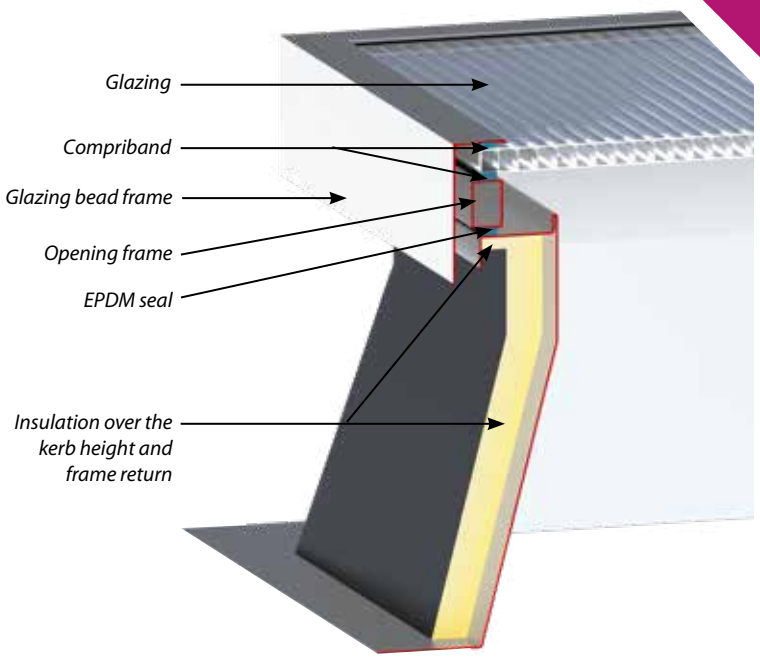
SKYDÔME

CONFORT

THERMAL CONDUCTANCE U_{RC}:

> 40% more efficient than the CLASSIC range

- WIDE RANGE OF GLAZING
- U_{RC} = 1.1 W/m².K*
- COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



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

PYRODÔME® ÉVOLUTREUIL XL

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	
100 x 100	1.7	1.6	1.4	1.5	1.3	3.2	1.6	1.5	1.3	1.4	1.2	3.4
120 x 120	1.7	1.6	1.4	1.5	1.3	3.9	1.6	1.5	1.3	1.4	1.2	4.2
140 x 140	1.6	1.5	1.3	1.4	1.2	4.8	1.5	1.4	1.2	1.3	1.1	5.1
150 x 150	1.6	1.5	1.3	1.4	1.2	5.2	1.5	1.4	1.2	1.3	1.1	5.6
160 x 160	1.6	1.5	1.3	1.4	-	5.7	1.5	1.4	1.2	1.3	-	6.1
100 x 150	1.7	1.6	1.4	1.5	1.3	4.1	1.6	1.5	1.3	1.4	1.2	4.4
100 x 200	1.6	1.5	1.3	1.4	1.2	5.0	1.5	1.4	1.2	1.3	1.1	5.3
120 x 200	1.6	1.5	1.3	1.4	1.2	5.6	1.5	1.4	1.2	1.3	1.1	5.9
140 x 200	1.6	1.5	1.3	1.4	1.2	6.1	1.5	1.4	1.2	1.3	1.1	6.5

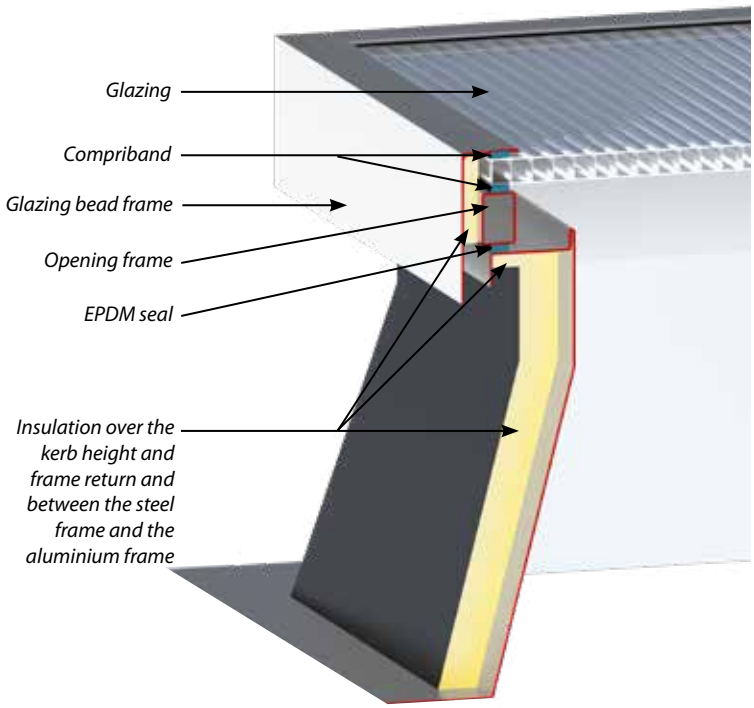
* For a system measuring 160 x 160 cm, kerb 410 mm high, S.PC 32+ glazing
** Adding a dome has no impact on the thermal conductance of the Urc device.

ELITE

THERMAL CONDUCTANCE U_{RC}:

> 50% more efficient than the CLASSIC range

- **WIDE RANGE OF GLAZING**
- **U_{RC} = 0.9 W/m².K***
- **COMPLIANT WITH FRENCH LEGISLATION (DTU)** currently in force



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

PYRODÔME® ÉVOLUTREUIL XL

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	
100 x 100	1.6	1.5	1.3	1.4	1.1	3.2	1.5	1.4	1.2	1.3	1.0	3.4
120 x 120	1.5	1.4	1.2	1.3	1.0	3.9	1.4	1.3	1.1	1.2	0.9	4.2
140 x 140	1.5	1.4	1.2	1.3	1.0	4.8	1.4	1.3	1.1	1.2	0.9	5.1
150 x 150	1.5	1.4	1.2	1.3	1.0	5.2	1.4	1.3	1.1	1.2	0.9	5.6
160 x 160	1.5	1.4	1.2	1.3	-	5.7	1.4	1.3	1.1	1.2	-	6.1
100 x 150	1.5	1.4	1.2	1.3	1.0	4.1	1.4	1.3	1.1	1.2	0.9	4.4
100 x 200	1.5	1.4	1.2	1.3	1.0	5.0	1.4	1.3	1.1	1.2	0.9	5.3
120 x 200	1.5	1.4	1.2	1.3	1.0	5.6	1.4	1.3	1.1	1.2	0.9	5.9
140 x 200	1.5	1.4	1.2	1.3	1.0	6.1	1.4	1.3	1.1	1.2	0.9	6.5

* For a system measuring 160 x 160 cm, kerb 410 mm high, S.PC 32+ glazing
** Adding a dome has no impact on the thermal conductance of the Urc device.

PYRODÔME®
ÉVOLUTREUIL

SKYDÔME

A CLOSER LOOK AT ...

THE PYRODÔME® ÉVOLUTREUIL ADAPTER PLATE FOR RENOVATION AND CONFORMITY

GEOMETRICAL DIMENSIONS AND AIRFLOW PERFORMANCES

Opening dimensions A x B (cm)	Overall heel dimensions C x D (cm)	Height H* (cm)	Lighting surface area (m^2)	E (cm)	Weight (kg)	Av (m^2)	Aa (m^2)	
							SD	AD
100 x 100	117 x 117	23	1.00	165	51	1.08	0.57	0.68
120 x 120	137 x 137	23	1.44	186	61	1.54	0.77	0.97
140 x 140	157 x 157	23	1.96	207	72	2.07	0.97	1.30
150 x 150	167 x 167	23	2.25	228	78	2.37	1.08	1.48
160 x 160	177 x 177	23	2.56	240	83	2.69	1.18	1.67
100 x 150	117 x 167	23	1.50	165	61	1.60	0.85	1.01
100 x 200	117 x 167	25	2.00	165	73	2.12	1.15	1.33
120 x 200	117 x 217	29	2.40	186	79	2.53	1.29	1.57
140 x 200	157 x 217	25	2.80	207	86	2.94	1.40	1.83

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

THERMAL PERFORMANCES: U_{RC} ($W/m^2.K$) AND A_{RC} (m^2)

PYRODÔME® ÉVOLUTREUIL ADAPTER PLATE - Kerb 170 mm high

Dimensions (cm)	CLASSIC ★						CONFORT ★★						ELITE ★★★					
	U_{RC}					A_{RC}	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 aluminium cover		Acoustik' Light	Triple dome & S.PC 16	S.PC 16 +	S.PC 32*	S.PC 32+* & opaque aluminium cover		Acoustik' Light	Triple dome & S.PC 16	S.PC 16 +	S.PC 32*	S.PC 32+* & opaque aluminium cover	
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	-	4.4	2.3	2.2	1.8	1.9	-	4.4	2.2	2.1	1.7	1.8	-	4.4
100 x 150	3.1	3.0	2.6	2.7	2.4	3.0	2.4	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
120 x 200	3.0	2.9	2.6	2.7	2.4	4.2	2.3	2.2	1.8	1.9	1.6	4.2	2.2	2.1	1.7	1.8	1.4	4.2
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.

A CLOSER LOOK AT ...

THE PYRODÔME® EVOLUTREUIL ADAPTER PLATE FOR RENOVATION AND CONFORMITY

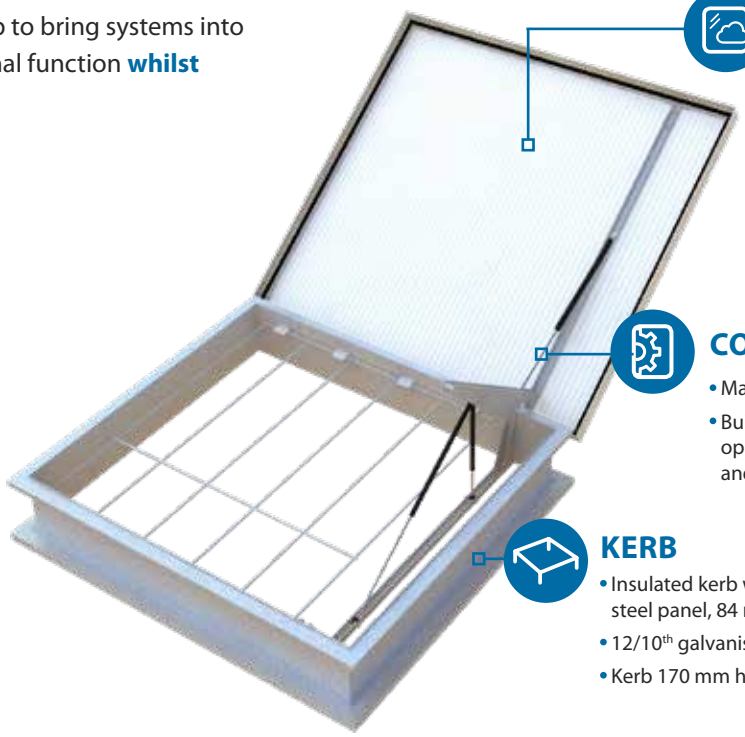
The PYRODÔME® ÉVOLUTREUIL ADAPTER PLATE is used to adapt to all types of kerb to bring systems into compliance or change the original function **whilst keeping the existing kerb.**

OPTIONS

List of standard options p.1

Kerb

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



GLAZING

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

ACOUSTIK'

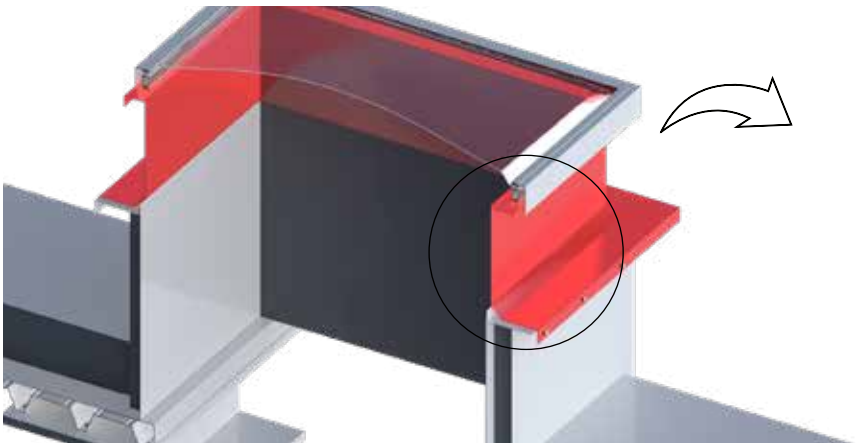
CONTROL

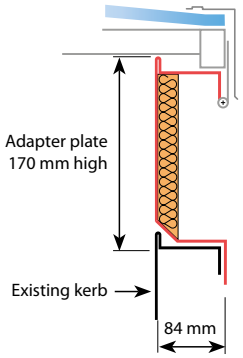
- Manual opening/closing
- Built-in offset mechanism for opening sizes 100 x 100 cm and 120 x 120 cm

KERB

- Insulated kerb with protective galvanised steel panel, 84 mm heel and 40 mm apron
- 12/10th galvanised steel
- Kerb 170 mm high

INSTALLATION DIAGRAM





PYRODÔME®
ÉVOLUTREUIL

- **NATURAL SMOKE EVACUATION**
- DAYLIGHTING
- ROOF ACCESS

SUBSTRATE:
Watertight roof / Existing kerb

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