

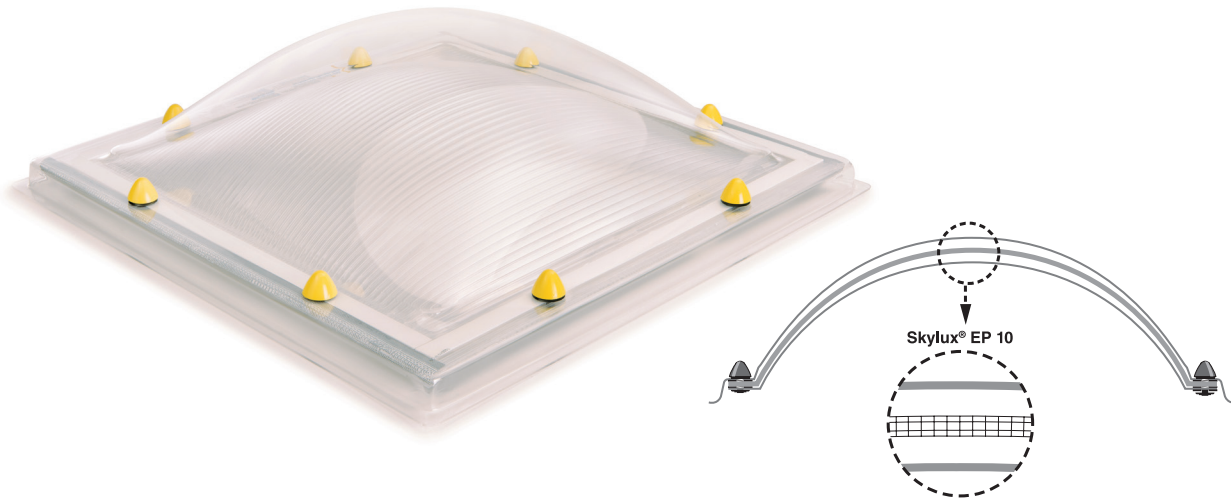


TECHNICAL FILE

# Skylux® EP10

Acrylic dome





## General product description

The Skylux® EP10 dome consists of three plastic shells. A clear solid acrylic outer shell, a clear 10 mm structured polycarbonate middle sheet and a diffused solid acrylic inner shell. Due to its unique combination of solid and structured sheets an exceptional U value is obtained. The Skylux® EP10 acrylic dome is finished and installed as any other standard Skylux® dome and fits any Skylux® curb. The resistance of acrylic is 10 times higher than glass of a similar thickness. The Skylux® EP10 acrylic dome has the CE label according to EN 1873:2014+A1:2016.

## Specific characteristics

U value (W/m<sup>2</sup>K), sound insulation (dB), light transmission (LT %) and solar heat gain factor (g %):

	EP10	
Colour.....	HEO	
U <sub>t</sub> value * according to EN 673.....	1,30 W/m <sup>2</sup> K	
Sound insulation.....	21 dB	
according to EN ISO 140-3		
Translucid characteristics LT according to EN 410.....	51%	H Clear shell
Solar transmission g (ZTA) according to EN 410.....	0,43 (= 43%)	E Polycarbonate 10 mm (4 walled)
		O Opal shell

The reflection of the visible light can be calculated as 100 -LT (%)  
 The reflection of the total solar energy can be calculated as 100 -g (%)

\* U<sub>t</sub>: U (transparent) value or insulation value of the Skylux skylight according to EN1873:2014+A1:2016 determined according to EN 673

## Attestations and certificates

- CE according to EN 1873:2014+A1:2016
- Declaration of Performance DoP nr 042DoP2016-12
- Sound insulation values R<sub>w</sub> according to EN ISO 140-3 (report P902622-B)
- 1200 Joule certificate Cebtp D313.9.823.1/2 and SB 1200 (EN 1873:2014+A1:2016)

## Fire report

- Acrylic sheet E (EN 13501-1)
- Polycarbonate sheet M2 (NF P. 92.507)
- Polycarbonate sheet Class 1Y (BS 476)
- Polycarbonate sheet B, s1-d0

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