



TECHNICAL FILE

# Skylux<sup>®</sup> EP10 PC

Polycarbonate skylight





## General product description

The Skylux® EP10 skylight consists standard of three plastic shells. A clear solid polycarbonate outer shell, a clear 10 mm structured polycarbonate middle sheet, an opal solid acrylic middle shell.

Due to its unique combination of solid and structured sheets an exceptional U value is obtained. The Skylux® EP10 polycarbonate skylight is finished and must be installed as any other standard Skylux® skylight and fits any Skylux® curb.

The Skylux® EP10 polycarbonate is burglar proof.

The Skylux® EP10 polycarbonate skylight has the CE label according to EN 1873:2014+A1:2016.

## Specific characteristics

Mechanical characteristics Polycarbonate (SPC10)	Impact resistance: 250 times stronger than glass of equal thickness. No damage on shocks similar to an impact of a steel ball of 250 gr falling from a height of 1 m. (hard body impact test according to EN 1873:2014+A1:2016) SB 1200 (soft body impact test according to EN 1873:2014+A1:2016)
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U value (W/m<sup>2</sup>K), sound insulation (dB), light transmission (LT %) and solar heat gain factor (g %) in function of the type of skylight.

	EP10 PC
Type	AEO
U <sub>t</sub> value* according to EN 673	1.30 W/m <sup>2</sup> K
Sound insulation R <sub>w</sub> according to EN ISO 140-3	21 dB
Light transmission LT according to EN 410	50%
Solar factor g (ZTA) according to EN 410	0.41 (41%)

- A Clear shell polycarbonate
- E polycarbonate sheet 10 mm (4-walled)
- O Opal shell acrylic

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 EN 1873:2014+A1:2016 determined according to EN 673

## Attestations and certificates

- CE according to EN 1873:2014+A1:2016
- Declaration of Performance DoP n° 002DoP2013-05
- Sound insulation values  $R_w$  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 reports

- Acrylic shell E (EN 13501-1)
- Polycarbonate shell M2 (NF P. 92.507)
- Polycarbonate shell Class 1Y (BS 476)
- Polycarbonate shell B, S1-d0

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