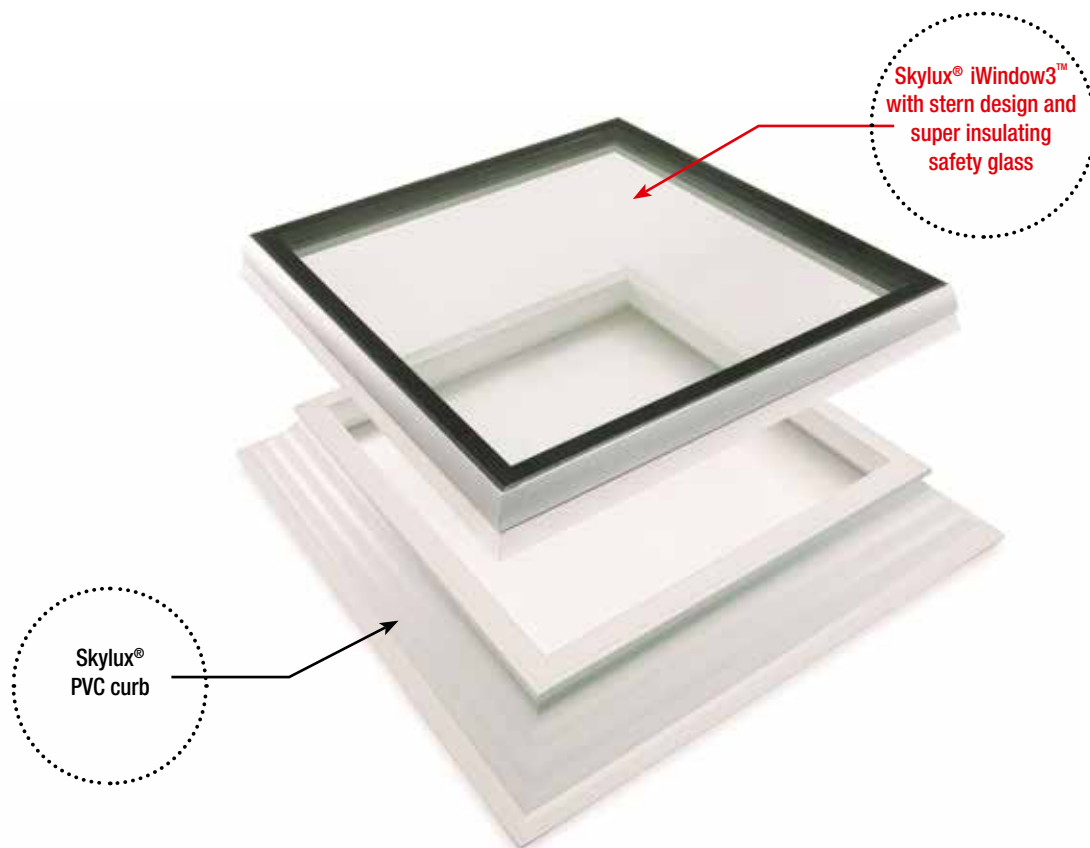


TECHNICAL FILE

# Skylux<sup>®</sup> iWindow2<sup>™</sup> & iWindow3<sup>™</sup>

Glass skylight

  
**SKYLUX<sup>®</sup>**  
*Hello daylight!*



## General product description

The Skylux® iWindow is a super insulating flat glass dome with a stern design, excellent U values and an optimal light spread for applications in flat roofs. It's composed of a compact and insulating PVC frame with super insulating safety glass (HR++/ HR+++), and a stern anodised aluminium frame. The glass is tempered and has a ceramic rim to obtain an aesthetic and smooth visual integration into the roof. The fully finished frame can easily be installed on all Skylux® PVC frames. It comes in two different executions : Skylux® iWindow2™ and iWindow3™ with respectively double and triple glazing. The Skylux® iWindow can be used in flat roofs with roof inclination between 0° and 25°. To avoid the glass getting dirty, we recommend a inclination of 5°.

## Advantages

- maximal surface light entrance equal to the daylight size
- exceptional insulation values (up to  $U_t^* = 0.50 \text{ W/m}^2\text{K}$ )
- fits on every Skylux® PVC dome curb
- easy and quick installation with clips
- stern and elegant inside and outside finish
- easy cleaning
- good sound insulation
- good air and water tightness

\*  $U_t$  = U value of the translucent part (= glass), determined according to EN 1873:2014+A1:2016

## Specific characteristics: Skylux® iWindow2™ & iWindow3™ PVC frame

Mechanical characteristics	Shock resistant PVC of frame quality type Benvic S white
Density according to ISO 1183	1450 kg/m <sup>3</sup>
Fire class according to EN 13501-1	E

## Specific characteristics: Skylux® iWindow2™ & iWindow3™ glass

	Skylux® iWindow2™	Skylux® iWindow3™
Mechanical characteristics	HR++ double glazing	HR+++ triple glazing
Thickness	± 39 mm	± 61 mm
Weight	± 35 kg/m <sup>2</sup>	± 55 kg/m <sup>2</sup>
Light transmission according to EN 410	66.9 %	68.3 %
Solar factor g (ZTA) according to EN 410	0.42	0.49
Sound insulation Rw according to EN 717-1	39 (-3, -7) dB	41 (-2, -5) dB
U <sub>g</sub> value according to EN 673	1.0 W/m <sup>2</sup> K	0.5 W/m <sup>2</sup> K
Safety glass NBN EN 356	min. type P2A (44.2)	min. type P2A (44.2)

## Specific characteristics: assembled system

	Skylux® iWindow2™	Skylux® iWindow3™
Impact resistance according to EN 1873:2014+A1:2016	SB 1200*	SB 1200*
Air tightness according to EN 1873:2014+A1:2016	Ap 1	Ap 1

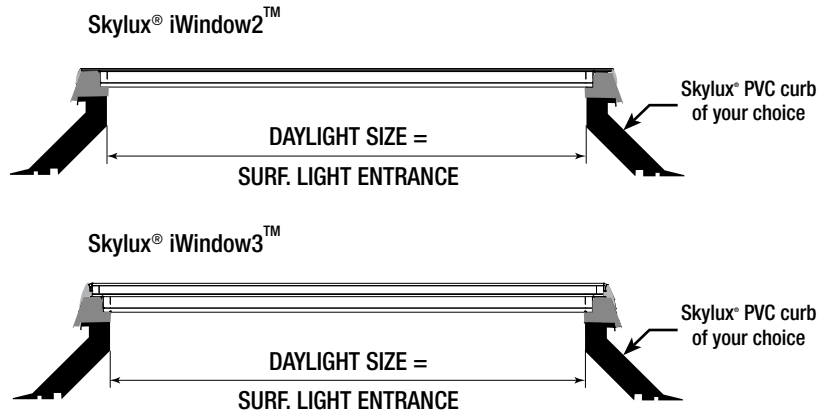
\* Skylux® iWindow meets the highest classification in impact resistance but cannot be used as walkable glass.

iWindow / Curb	U <sub>rc</sub> value Skylux® iWindow with curb (W/m <sup>2</sup> K)	
	iWindow2™	iWindow3™
PVC 16-20 EP	1.05	0.75
PVC 16-00	1.10	0.79
PVC 20-00 EP	0.92	0.64
PVC 30-20	1.07	0.85
PVC 35-30	0.97	0.79

U<sub>rc</sub> = U value of the assembled system (= glass, frame and curb), determined for daylight size 100 x 100 cm, according to EN 1873:2014+A1:2016

## Available daylight sizes

Surf. light entrance (m <sup>2</sup> )	Daylight size (cm)	
	iWindow2™	iWindow3™
0.36	60 x 60	60 x 60
0.49	70 x 70	
0.64	80 x 80	80 x 80
0.81	90 x 90	90 x 90
1.00	100 x 100	100 x 100
1.44	120 x 120	120 x 120
1.50	100 x 150	100 x 150



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