



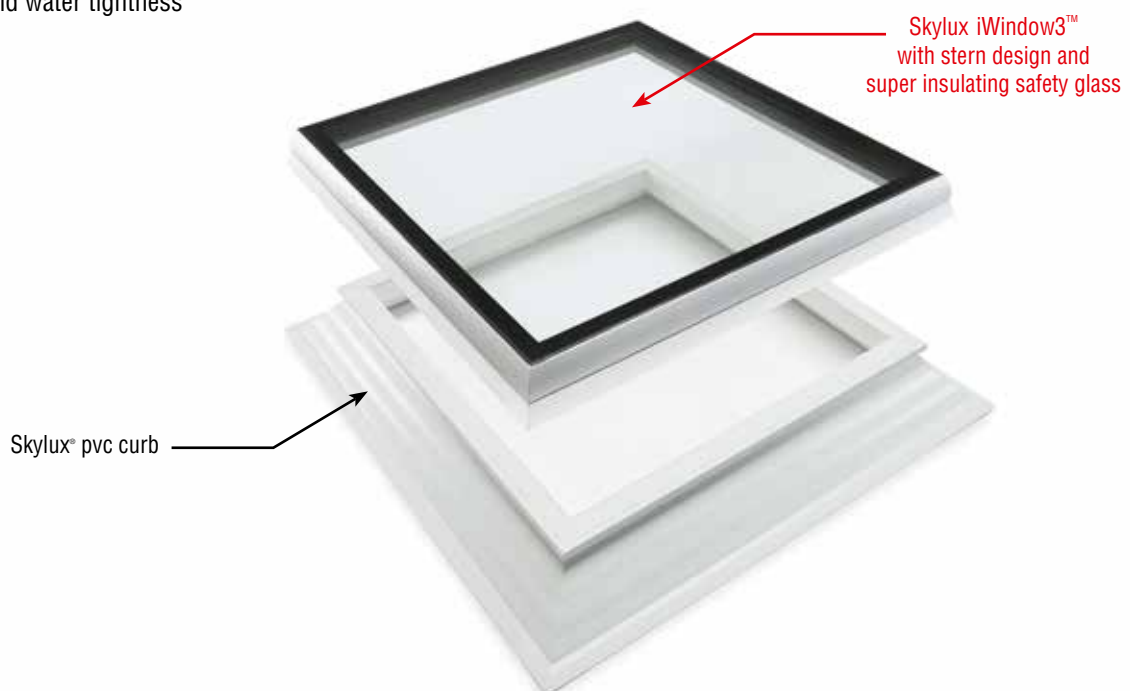
Technical file : Skylux iWindow2™ & iWindow3™

■ 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 a roof inclination between 2° and 15°.

■ 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 from the translucent part (= glass), determined according to EN 1873:2014+A1:2016



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■ 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 ³
Fire class according to EN13501-1	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 ²	± 55 kg/m ²
Light transmission according to EN 410	66,9 %	68,3 %
Solar factor g (ZTA) according to EN 410	0,42	0,50
Sound insulation R _w according to EN 717-1	39 (-3, -7) dB	41 (-2, -5) dB
U _{tr} value according to EN 673	1,0 W/m ² K	0,5 W/m ² K

■ 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	NPD	Ap 1

U_{rc}-value Skylux iWindow with curb (W/m²K)

iWindow / curb	iWindow2	iWindow3
PVC 16-20 EP	1,05	0,75
PVC 16-00	1,10	0,79
PVC 30-20	1,07	0,85
PVC 35-30	0,97	0,79

U_{rc} = 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



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■ AVAILABLE DAYLIGHT SIZES:

Surf. light entrance (m ²)	Daylight size (cm)
0,36	60 x 60
0,64	80 x 80
0,81	90 x 90
1,00	100 x 100
1,44	120 x 120
1,50	100 x 150

