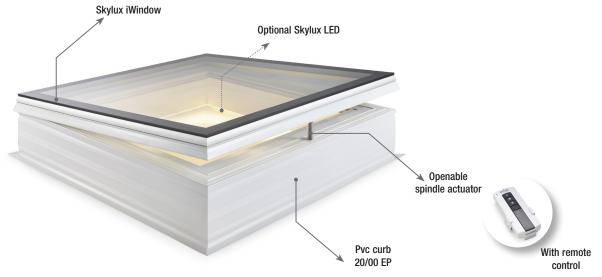




Skylux® iWindow2™ & iWindow3TM

Complete set glass skylight





General product description

The Skylux® iWindow is a super insulating flat glass skylight 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 (iWindow2 with double safety glazing HR++/iWindow3 with triple safety glazing 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 finished iWindow2 or iWindow3 as glass dome in **fixed (F) or openable (O)** model is premounted on a Skylux pvc curb 20/00 EP (+ 20/00 EP-S) and constitutes a **complete set**. The pvc curb has a built-in detection unit with remote control. The openable model (O) has a built-in spindle actuator and is suited for ventilation. Optionally you can also opt for a rain detector.

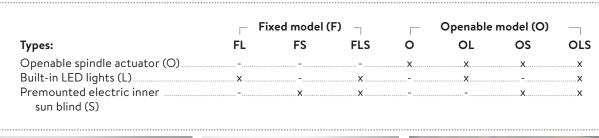
Possible options for both fixed (F) and openable (O) models are:

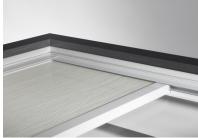
- the built-in LED lights with remote control(L):
- the LED lights are built-in in the groove underneath the pvc curb 20/00 EP, and are covered by an opal polycarbonate cover profile
- premounted electric inner sunblind with remote control (S):
- a premounted electric inner sunblind s keeps sunlight and sun warmth outside.

These options must be purchased when ordering the frame.

The built-in detection unit also has open contacts to connect fixed push-buttons, or to allow the functioning upon a domotic system. The Skylux iWindow20/00 EP (+ 20/00 EP-S) complete sets are suitable for flat roofs and for gradients between 0° and 25°. Installation under 5° is recommended to avoid the glass getting dirty and water stagnation.

Different types:





(S) electric inner sunblind



(O) openable with spindle actuator



(L) built-in LED lights

Advantages

- complete rooflight product at any moment of the day
- maximum light spread equal to the daylight size
- built-in LED lights in option(L)
- exceptional insulation values (up to Ug = 0,50 W/m².K)
- good sound insulation
- air and water tight
- easy cleaning
- stern and elegant inside and outside finish
- premounted set, complete set
- burglar proof
- openable model available
- easy in use thanks to the remote control
- optional electric inner sunblind
- iWindow has a small thermal waste surface compared to the light spread surface



Specific characteristics: Skylux iWindow2 & iWindow3 pvc frame

Mechanical characteristics Density according to ISO 1183 Fire class according to EN 13501-1	3
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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 according to EN 410	0,42	0,49
Sound insulation according to EN 717-1	39 (-3, -7) dB	41 (-2, -5) dB
U _a value according to EN 673	1,0 W/m²K	0,5 W/m ² K
Safety glazing NBN EN 356		



Specific characteristics: Skylux pvc 20/00 EP (+ 20/00 EP-S) curb

Mechanical characteristics	PVC of the type Benvic S white
Thermal characteristics	pvc with insulation
EN 10077-2:2012	U _{up*} -value 0,61 W/m².K
	(insulation EPS separate with $\lambda = 0.035 \text{ W/m}^2$.K)
Sizes	Thickness: 62 mm (with bottom flange: 95 mm)
	Height: 20 cm (20/00 EP) / 40 cm (20/00 EP + 20/00 EP-S)
	Finished roof opening=daylight size + (4 cm) (Only with
	built-in LED lights)
Density	PVC: 1500 kg/m ³
,	(EPS insulation: 28 kg/m³)

^{*} U_{up}: U value (upstand) or insulation value of the curb according to EN 1873:2014+A1:2016 and determined with EN 10077-2:2012

Specific characteristics: Skylux electric inner sunblind (S) optional

Functioning	24V DC
Functioning temperature	0°C to +60°C
Colour inside	light grey
Colour outside	light grey
Sunblind material	100% polyester, multi-layer (honeycomb) pleated fabric
Light transmission**	± 11% T (Transmitting)
Transmission of warmth**	± 12% T (Transmitting)

^{**} based on tests in combination with double layered glass; the sunblind is closed.

Specific characteristics: Skylux LED lighting (L) optional

Functioning	
Functioning temperature	10°C to +60°C
Colour	
LED distance	120 LEDS/m
Flux	≥ 2400 lumen/5m
Durability	
At the bottom of the pvc curb 20/	00 EP
At the bottom of the pvc curb 20/	JO LF

Specific characteristics: assembled system Skylux iWindow on pvc curb 20/00 EP (+ 20/00 EP-S)

	Skylux iWindow2™	Skylux iWindow3™	
	20/00EP+	20/00EP+	
	20/00EP 20/00EP-S	20/00EP 20/00EP-S	
Urc***-value (W/m².K)	0,93	0,63 0,62	
Arc ^(†) surface (m²)	3,094,14	2,964,17	

[&]quot;" Urc = U value of the set (glass, frame and curb) and is determined for daylight size 120x120 according to EN 1873:2014+A1:2016
(*) Arc = surface of the skylight with curb, determined for daylight size 120x120 according to EN 1873:2014+A1:2016

Specific characteristics: Skylux integrated spindle actuator (O)

Ambient temperature -20°C to +70°C Engine force opening 1500N	Opening height	± 10 cm	
Consumption 85W (of 0,5W in standby) Ambient temperature -20°C to +70°C Engine force opening 1500N closing 100N locked position 1500N Durability 10.000 open/close cycles	Tension	24V DC	
Engine force opening 1500N closing 100N locked position 1500N Durability 10.000 open/close cycles	Current	3A	
closing 100N	Consumption	85W (of 0,5W in standby)	
closing 100N locked position 1500N Durability 10.000 open/close cycles	Ambient temperature	-20°C to +70°C	
locked position 1500N Durability10.000 open/close cycles	Engine force opening	1500N	
Durability10.000 open/close cycles	closing	100N	
	locked position	1500N	
Functioning cyclo 10% may 2min /18min	Durability	10.000 open/close cycles	
i uncuonnig cycle	Functioning cycle	10%, max. 2min./18min.	

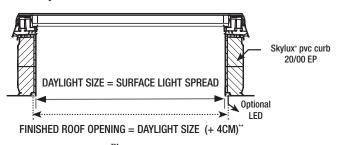
Available daylight sizes

Surface light spread (m²)	Daylight size (cm) iWindow2™ iWindow3™
0,36	60 x 6060 x 60
0,49	70 × 70
0,64	80 x 8080 x 80
0,81	90 x 9090 x 90
1,00	100 x 100 100 x 100
1,44	120 x 120120 x 120
1,50	100 x 150* 100 x 150*

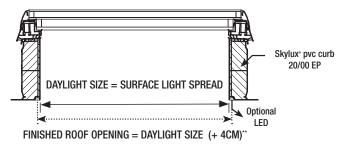
^{*} the actuator is standard fixed on the long side

Drawings fixed models

with Skylux iWindow 2^{TM}



with Skylux iWindow3[™]

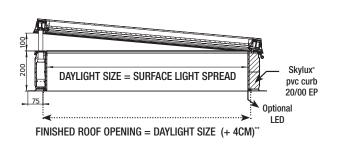


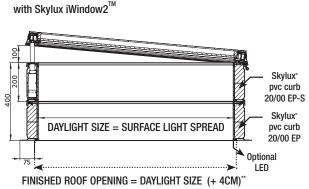
[&]quot; Only with built-in LED lights



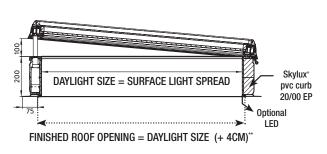
Drawings openable models (O)

with Skylux iWindow2 $^{\text{TM}}$

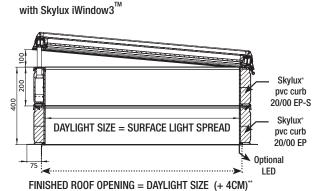




with Skylux iWindow3[™]



"Only with built-in LED lights



Attestations, certificates and documentation

 According to performances of EN 1873:2014+A1:2016, but no CE, as there is no specific norm for glass skylights





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