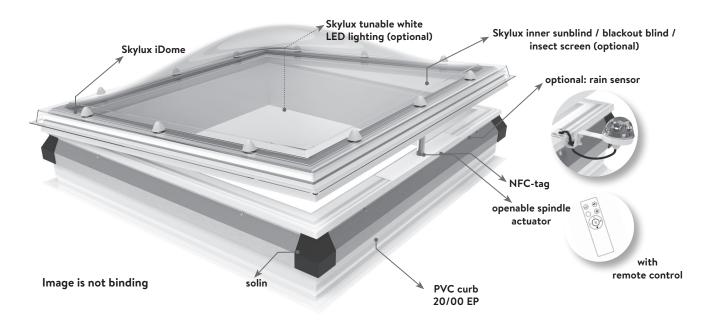


Skylux® iDome™

Openable hybrid skylight with DuoControl





General product description

The Skylux® iDomeTM is a hybrid skylight. It is composed of a compact and insulating PVC frame with super insulating double layered safety glazing HR++ (double tempered glass) and a Skylux® iDomeTM of your choice.

The Skylux iDome[™] is pre-mounted on a Skylux PVC 20/00 EP (+20/00 EP-S) curb and forms an **openable (O) unit**. The PVC curb has a built-in detection unit to be operated with remote control (RF-Radio frequency technology) or with a smart home application compatible with Matter (DuoControl). This also allows you to operate the system with your smartphone or tablet.

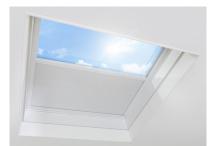
Depending on the choice of roofing, the flashing profile and corner profiles can be used to finish the roofing properly up to the 20/00 curb. The openable model (O) has a built-in spindle actuator and is suited for ventilation. It can be equipped with an optional rain sensor.

Possible options:

- rain sensor (R);
- built-in and remote controlled LED lights (L), adjustable in light intensity and colour temperature; 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;
- electric and remote controlled inner sunblind (S): a pre-mounted electric inner sunblind mounted on the top side of the curb that keeps out strong sunlight and solar heat;
- or electric and remote controlled blackout blind (V): a pre-mounted electric blackout blind on the inside of the curb that blocks the sunlight;
- or electric and remote controlled insect screen (I): a pre-mounted electric insect screen on the inside of the curb.

The desired options must be chosen during purchase. The Skylux iDomeTM openable hybrid skylight is suitable for flat roofs and can be installed with a roof pitch between 0° and 25° .

Different types:



(S) electric inner sunblind



(O) openable with spindle actuator



(L) integrated LED lighting, adjustable in light intensity and colour temperature

| | | Rain sensor (R) | Built-in LED lights (L) | Pre-mounted electric sunblind (S) | electric | electric |
|-------------------|----------|--------------------|-------------------------------|--|--------------|----------|
| | _ O-R | X | ·····- | | | |
| | | | | | | |
| | | | | | | |
| | | | | | - | |
| | O-LS | ······- | X | X | - | |
| | | | | | - | |
|)penable model | | | | | X | |
| (O) - | 1 | X | | | X | |
| (0) | 1 | | | | | |
| | | | | | | |
| | | | | | X | |
| | | | | | X | |
| | 1 | | | | | |
| | - O-LIR. | X | X | | | X |

Features

- Openable skylight for fresh air ventilation
- Complete roof light product at any moment of the day
- Maximum light spread equal to the daylight size
- Built-in LED lighting in option (L), adjustable in light intensity and colour temperature
- Exceptional insulation values (up to Ut* = 0.50 W/m².K)
- Good sound insulation
- Watertight and airtight
- Easy cleaning: the inside can be cleaned as a window, the outside benefits from the self-cleaning aspect of the Skylux skylight
- Sleek and elegant inside finish
- Pre-mounted set
- Burglar-proof
- Optional electric inner sunblind or blackout blind or insect screen
- Closes automatically in case of precipitation (optional pre-mounted rain sensor)
- Large sizes are also available; from small to large (e.g. 100 x 200 cm)
- DuoControl operation:
 - Integration possible in existing smart home apps (e.g. Google Home and Apple Home)
 - Easy operation with the included remote control

Specific characteristics: Skylux iDome PVC frame

| Mechanical characteristics | shock resistant PVC of frame quality type Benvic S white |
|------------------------------------|--|
| Density according to ISO 1183 | 1450 kg/m³ |
| Fire class according to EN 13501-1 | E |



Specific characteristics: Skylux iDome glass

| Mechanical characteristics | HR++ (double insulated glazing) |
|--|--|
| Type | layered (inner pane) + tempered (outer pane) |
| Thickness | ± 28 mm |
| Weight | ± 30 kg/m² |
| Light transmission according to EN 410 | O 75% |
| Solar factor g (ZTA) according to EN 4 | 100.53 |
| Sound insulation Rw accoridng to EN 717 | 7-1 37 (-2, -6) dB |
| U _q value according to EN 673 | |
| Safety glazing NBN EN 356 | min. type P2A (44.2) |

((as from 1-03-2021, a new version with tempered layered glass is available for fall-through safety certificate DIN 18008-6)

Specific characteristics: Skylux® skylight

| Characteristics | see technical file of the chosen Skylux® skylight | |
|-----------------|---|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

 $^{^*}$ U $_t$: U value of the translucent part (glass and skylight) determined according to EN 1873:2014+A1:2016, according to EN 673

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

| Mechanical characteristics | PVC 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 $\lambda = 0.035 \text{ W/m}^2.\text{K}$) |
| Dimensions | 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 mm) (only with |
| | built-in LED lights) |
| Density | PVC: 1500 kg/m³ (insulation EPS: 28 kg/m³) |

^{*} U_{up}: U value (curb) 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

| | inner sunblind (S) | blackout blind (V) | insect screen (I) |
|-------------------------|---|---|-----------------------------------|
| Functioning | | 24 V DC | |
| Functioning temperature | | 0°C to +60°C | |
| Colour inside | white | light grey | white |
| Colour outside | white | light grey | white |
| Sunblind material | 100% polyester | polyester with aluminium foil on the inside | 100% polyethylene |
| Light transmission ** | ± 30% (transmission) | ± 0,5% (transmission)** | ± 90% (transmission) |
| Туре | multi-layered (honeycomb) pleated fabric | multi-layered (honeycomb) pleated fabric | multi-layered (honeycomb) mesh |

 $^{^{**}}$ There is always some stray light on the sides of the blackout blind

Specific characteristics: Skylux LED lighting (L) - optional

| Functioning | 24 V DC | |
|------------------------------------|------------------|--|
| Functioning temperature | 5°C to +50°C* | |
| Adjustable colour temperature | | |
| LED distance | | |
| Adjustable light intensity | 10 - 860 lumen/m | |
| Lifespan | ≥ 50.000 h | |
| At the bottom of the PVC curb 20/0 | 0 EP | |
| Power | 9 W/m | |
| CRI (colour rendering index) | >90 Ra | |

 $^{^{*}}$ the LED lights switch off automatically when the control unit becomes warmer than 70 $^{\circ}$ C

Specific characteristics: assembled unit Skylux iDome on PVC curb 20/00 EP (+ 20/00 EP-S)

| Curb/ | single | 2 | . 3 | . 4 | . 5 | EP |
|--------------------------------------|--------|--------|--------|--------|--------|-------|
| skylight | walled | walled | walled | walled | walled | 10 mm |
| PVC 20/00 EP | | | | | | |
| Urc***(W/m².K) | 0.92 | 0.85 | 0.79 | 0.75 | 0.72 | 0.75 |
| Arc ^(*) (m ²) | | | | | | |
| PVC 20/00 EP + 20/00 EP-S | | | | | | |
| Urc***(W/m².K) | 0.84 | 0.79 | 0.75 | 0.72 | 0.69 | 0.71 |
| Arc ^(*) (m ²) | | | | 4.09 | | |

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

Specific characteristics: Skylux built-in spindle actuator (O)

| 24 V DC 2.3 A |
|--------------------------|
| 23Δ |
| 2.3 A |
| 20°C to +70°C |
| 1000 N |
| 300 N |
| 1500 N |
| 10.000 open/close cycles |
| 10%, max. 2min./18min. |
| |

Specific characteristics: DuoControl

| REMOTE CONTROL RF frequency | 433 MHz | SMART HOME CONTROL Application | Matter |
|---------------------------------|------------|--------------------------------|-------------------|
| Dimensions | | Network protocol | |
| Batterie | 3 V CR2032 | Type of device | Sleepy end device |
| Colour | Black | System requirements iOS | |
| Use | Indoors | System requirements Android | |
| Max. number of remote control / | product10 | , | |

 $^{^{(2)}}$ Arc = surface of the skylight with curb, determined for daylight size 120x120 cm, according to EN 1873:2014+A1:2016

Specific characteristics: Skylux rain sensor

| Power | 24 V DC | |
|-------------------------------------|------------------|--|
| Relay contact load-bearing capacity | 8 A | |
| Casing dimensions | 71 x 56 x 150 mm | |
| Colour | Transparant/grey | |
| Operating temperature | -40°C to +60°C | |

Available daylight sizes

| | Light surface | Daylight surface (cm) | Weight | |
|-----------|---------------|-----------------------|--------|--|
| | (m²) | iDome | kg | |
| quare | 0,16 | 40 x 40 ↑ | 18 | |
| | 0,25 | 50 x 50 ↑ | 22 | |
| | 0,30 | 55 x 55 ↑ | 25 | |
| | 0,36 | 60 x 60 ↑ | 28 | |
| | 0,49 | 70 x 70 ↑ | 34 | |
| | 0,56 | 75 x 75 ↑ | 37 | |
| | 0,64 | 80 x 80 ↑ | 40 | |
| | 0,72 | 85 x 85 | 44 | |
| | 0,81 | 90 x 90 ↑ | 47 | |
| | 1,00 | 100 x 100 ↑ | 55 | |
| | 1,10 | 105 x 105 ↑ | 59 | |
| | 1,21 | 110 x 110 ↑ | 64 | |
| | 1,44 | 120 x 120 ↑ | 73 | |
| | 1,69 | 130 x 130 ↑ | 82 | |
| | 1,96 | 140 x 140 ↑↑ | 95 | |
| | 2,25 | 150 x 150 ↑↑ | 106 | |
| ctangular | 0,28 | 40 x 70 ↑ | 24 | |
| | 0,40 | 40 x 100 ↑ | 31 | |
| | 0,52 | 40 x 130 ↑ | 38 | |
| | 0,56 | 40 x 140 ↑ | 40 | |
| | 0,64 | 40 x 160 ↑ | 44 | |
| | 0,76 | 40 x 190 ↑↑ | 53 | |
| | 0,88 | 40 x 220 ↑↑ | 60 | |
| | 1,12 | 40 x 280 ↑↑ | 68 | |
| | 0,47 | 45 x 105 ↑ | 34 | |
| | 0,35 | 50 x 70 ↑ | 27 | |
| | 0,40 | 50 x 80 ↑ | 30 | |
| | 0,50 | 50 x 100 ↑ | 35 | |
| | 0,55 | 50 x 110 ↑ | 38 | |
| | 0,70 | 50 x 140 ↑ | 45 | |
| | 0,85 | 50 x 170 ↑ | 52 | |
| | 1,00 | 50 x 200 ↑↑ | 63 | |
| | 1,15 | 50 x 230 ↑↑ | 70 | |
| | 0,48 | 60 x 80 ↑ | 33 | |
| | 0,54 | 60 x 90 ↑ | 36 | |
| | 0,72 | 60 x 90 | 45 | |
| | · · | 60 x 130 ↑ | 47 | |
| | 0,78 | OU X 13U T | 4 / | |

| | Light surface | Daylight surface (cm) | Weight |
|-------------|---------------|--|-----------|
| | (m²) | iDome | kg |
| Rectangular | 0,90 | 60 x 150 ↑ | 53 |
| | 1,08 | 60 x 180 ↑ | 62 |
| | 1,20 | 60 x 200 ↑↑ | 70 |
| | 0,70 | 70 x 100 ↑ | 43 |
| | 0,91 | 70 x 130 ↑ | 52 |
| | 1,05 | 70 x 150 ↑ | 59 |
| | 1,12 | 70 x 160 ↑ | 62 |
| | 1,40 | 70 x 200 ↑↑ | 77 |
| | 1,54 | 70 x 220 ↑↑ | 83 |
| | 0,79 | 75 x 105 ↑ | 47 |
| | 0,94 | 75 x 125 ↑ | 53 |
| | 1,24 | 75 x 165 ↑ | 66 |
| | 1,31 | 75 x 175 ↑ | 70 |
| | 1,69 | 75 x 225 ↑↑ | 89 |
| | 0,88 | 80 x 110 ↑ | 51 |
| | 1,04 | 80 x 130 ↑ | 57 |
| | | _ | 61 |
| | 1,12 | _ | |
| | 1,28 | 80 x 160 ↑ | 68 |
| | 1,36 | 80 x 170 ↑ | 71 |
| | 1,44 | 80 x 180 ↑ | 75 |
| | 1,60 | 80 x 200 ↑ ↑ | 84 |
| | 1,76 | 80 x 220 ↑↑ | 91 |
| | 1,84 | 80 x 230 ↑↑ | 94 |
| | 2,00 | 80 x 250 ↑↑ | 103 |
| | 2,24 | 80 x 280 ↑↑ | 115 |
| | 1,08 | 90 x 120 ↑ | 59 |
| | 1,35 | 90 x 150 ↑ | 70 |
| | 1,62 | 90 x 180 ↑ | 81 |
| | 1,89 | 90 x 210 ↑↑ | 95 |
| | 1,30 | 100 x 130 ↑ | 67 |
| | 1,50 | 100 x 150 ↑ | 75 |
| | 1,60 | 100 x 160 ↑ | 79 |
| | 1,80 | 100 x 180 ↑ | 88 |
| | 2,00 | 100 x 200 ↑↑ | 98 |
| | 2,20 | 100 x 220 ↑↑ | 109 |
| | 2,30 | 100 x 230 ↑↑ | 113 |
| | 2,50 | 100 x 250 ↑↑ | 122 |
| | 2,80 | 100 x 280 ↑↑ | 136 |
| | 3,00 | 100 x 300 ↑ ↑ | 145 |
| | 1,73 | 105 x 165 ↑ | 85 |
| | 2,36 | 105 x 225 ↑↑ | 107 |
| | 1,54 | 110 x 140 ↑ | 77 |
| | 1,87 | 110 x 140 ↑ 110 x 170 ↑ | 96 |
| | | | 122 |
| | 2,53 | 110 x 230 ↑↑ | |
| | 1,68 | 120 x 140 ↑ | 82 |
| | 1,80 | 120 x 150 ↑ | 87 |
| | 2,16 | 120 x 180 ↑ ↑ | 98 |
| | 2,52 2,08 | 120 x 210 ↑↑ 130 x 160 ↑↑ | 134 95 |
| | | | |

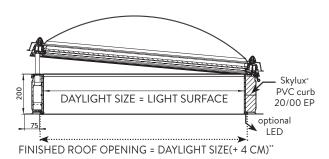
↑ version with 1 spindle actuator
↑↑ version with 2 spindle actuators
Actuator is provided on the long side by default.
These pre-mounted glass skylights are always packed on a pallet.
Weight (±5%) = weight of the product (without packaging)



Please note

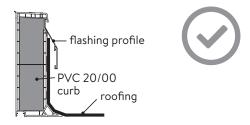
Depending on the size and weight of the glass skylight, we recommend using appropriate lifting equipment for transport and installation. To avoid heat build-up under the transparent skylight (plastic, hybrid, glass) and therefore possible deformation or damage to the PVC curb, frame, skylight dome or electrical components, it is recommended that no closed surface (e.g. black closed attic hatch) is installed under the skylights. A reflective (e.g. white) surface and/or ventilation is recommended.

Drawings openable models (O)



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

Drawing finished 20/00 with flashing profile



Attestations, certificates and documentation

- Fall-through safety certificate DIN 18008-6 for Skylux iDome with tempered glass, in combination with all Skylux PVC curbs or all polyester curbs. Additionally, residual load-bearing capacity after breakage is also valid for sizes \leq 120 x 120 cm and \leq 100 x 300 cm, according to the DIN 18008-6 certificate (tests were executed on the largest sizes, intermediate dimensions are determined by interpolation).
- GS BAU 18 certificate for Skylux iDome with polycarbonate or Heatstop skylight in combination with all Skylux PVC curbs or all polyester curbs.
- CE according to EN 1873:2014+A1:2016
- DoP on www.skylux.eu
- Zertifikat DGUV Test







EN 1873:2014+A1:2016

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