



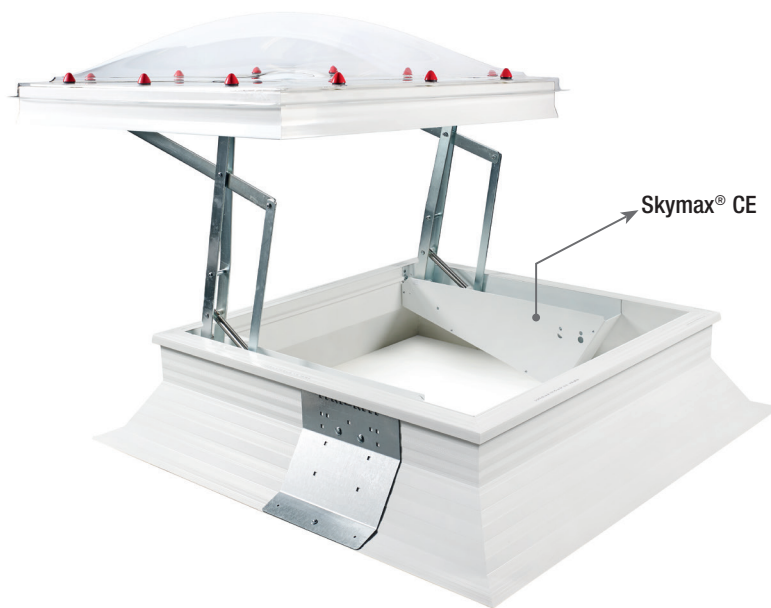
TECHNICAL FILE

Skymax[®] CE

Smoke and Heat Extraction system
for staircases

CE approved according to EN 12101-2
and in conformity with NBN S21-208


Hello daylight!



General product description

The Skymax® CE dome exists of:

- An acrylic or polycarbonate Skylux® dome* in conformity with EN, composed according to the Skylux® specifications
- A curb in PVC (type 16/00 or 30/20) or metal, which is part of the CE agreement of the SHEV system (see pictures below)
- A PVC frame (standard, EP or EP25) or with a Skylux® Window with glass (exceptional low U value), which is part of the CE certification
- External support sheets with accessories for PVC curbs
- Two opening system with 24 Volt actuators

Complementary:

- One central detection unit type Skycom® Skymax CE (installation on top in the staircase)
- A priority switch
- Inner spoilers (optional to improve the aerodynamic coefficient C_v)
- The positive safety can be disconnected

Advantages

- Free access to the roof
- Exceptional insulation (U_t^{**} value up to $0.50 \text{ W/m}^2\cdot\text{K}$)
- Air permeability class 2 according to EN 1873:2014+A1:2016
- RW value up to 40 dB
- 100 % thermal break
- Skylux® quick-mount concept
- Easy installation
- CE approved according to EN 12101-2

* Skylux® domes have a CE agreement according to EN 1873:2014+A1:2016

** U_t : U (transparent) or insulation value of the Skylux® dome according to EN 1873:2014+A1:2016, determined in accordance with EN 673

CE specifications according to EN 12101-2 for Skymax® CE

Time until full opening	< 60 sec
Min. functioning temperature (°C)	-15 °C
Heat resistance (°C)	B300
Snow load (N/m ²)	SL 300 to SL 900
Wind load (N/m ²)	WL 1500
Reliability class SHE	Re 1000
Durability	Re 10.000
Aerodynamic coefficient*	0.60 - 0.77
Maximum slope	10°

* always ask for the aerodynamic coefficient determined by lateral wind

Product description actuator

The Skymax® CE is a dome for smoke and heat extraction equipped with a daily ventilation function. On alarm, the dome fully opens diagonally away from the upstand. The opening of the dome in open position is 900 mm horizontally and 570 mm vertically. The two actuators are equipped with an electric final course, which states the maximum course of the actuator on opening and closing.

Specific characteristics opening mechanism

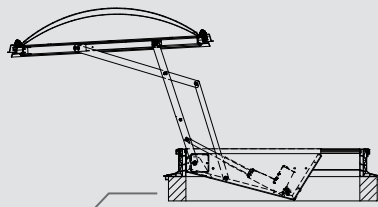
Tension	24 V DC - 48 V DC
Current	nominal 5 A (per system) at 24 V
Opening angle	entirely (180°)
Final course	electronic
Density	IP 54
Certification	CE volgens EN 12101-2
Execution mechanism	galvanised
Execution housing	powder-coated white

Product description central detection unit

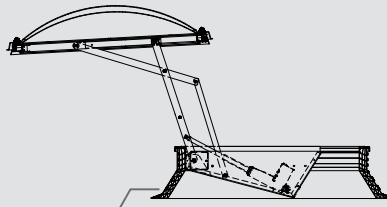


The Skymax® CE is operated by a Skycom® Skymax CE central detection unit and a heat detector. This detection unit is equipped with several connection possibilities. The detection unit has an autonomy of at least 72h with tension due the incorporated batteries. The central detection unit must be equipped with a priority switch to operate the SHE system in case of emergency.

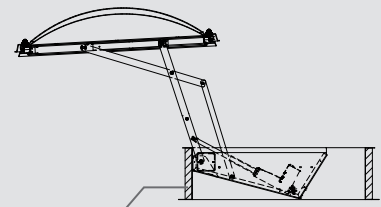
Curb combinations



with PVC curb 16/00
min 300 mm total height

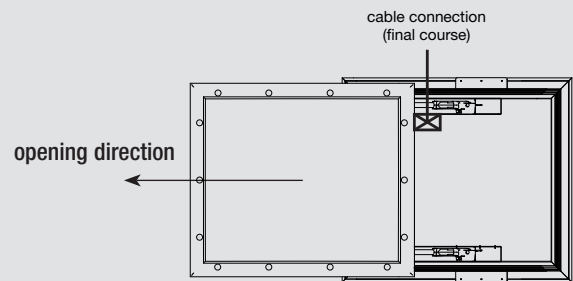
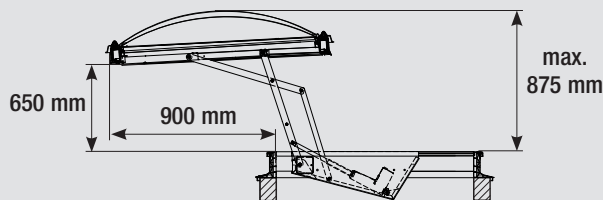


with PVC curb 30/20



with metal curb M30 or higher

Sizes and opening direction



Attestations, certificates and documentation

- Positive safety in conformity with NBN S21-208-1&3
- CE of the Skylux® dome according to EN 1873:2014+A1:2016
- CE of the SHE system according to EN 12.101-2
- Attestation 1200 Joule fall through protection for armoured dome with polycarbonate shell
- Attestation for 72h autonomy with Skycom® Skymax CE central detection unit
- DoP via www.skylux.be

Fire classification

- Fire classification Skylux® domes
Acrylic dome : Euroclass E (EN 13501-1)
Polycarbonate dome : Euroclass B-s1, d0 (EN 13501-1)
- Fire classification PVC curbs : Euroclass E (EN 13501-1)



Attention: the CE certification is only valid if the composition, execution and the installation regulations are respected. AG.Plastics guarantees the CE conformity as described in the documentation and according to the plant regulations of the appliances. Every variance, cancels the CE conformity.

ONLY USE ORIGINAL PARTS DELIVERED BY AG.PLASTICS. EVERY GUARANTEE IS CANCELLED IF NON-ORIGINAL PARTS ARE USED. THE SHE DETECTION UNIT MUST BE USED WITH THE RIGHT SHE OPENING SYSTEM. THE USE OF NON-ORIGINAL SHE PARTS CAN LEAD TO DEFECTS OF THE SYSTEM.

SKYLUX IS A REGISTERED BRAND OF AG.PLASTICS
SPINNERIJSTRAAT 100 - B-8530 STASEGEM
T +32 (0)56 20 00 00 - F +32 (0)56 21 95 99
INFO@SKYLUX.BE
WWW.SKYLUX.BE

