

ESSMANN

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ESSMANN® *classic* PC - s skylight dome



Product description

ESSMANN® classic PC - s skylight dome

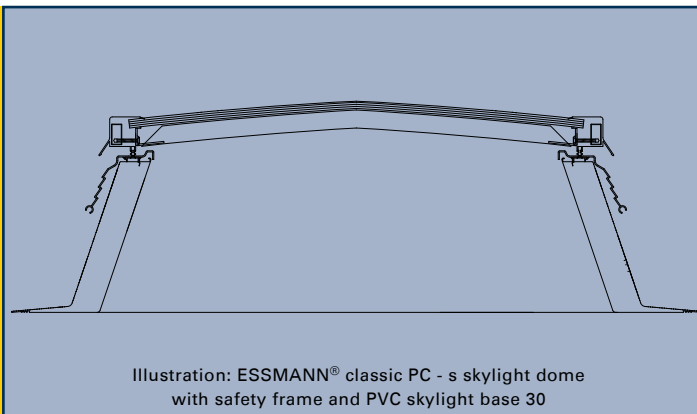
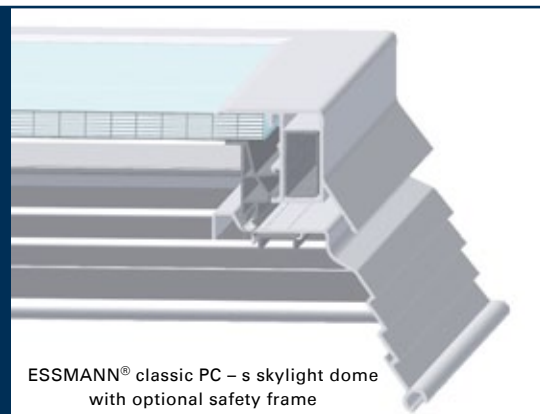


Illustration: ESSMANN® classic PC - s skylight dome with safety frame and PVC skylight base 30



ESSMANN® classic PC - s skylight dome with optional safety frame

The **ESSMANN classic PC - s skylight dome** is a high quality construction product for daylight utilisation, aeration and ventilation of industrial, commercial and retail buildings. It can be used both for new buildings and for renovation projects.

The *classic* PC - s skylight dome is based on the kerb frame of the tried and trusted ESSMANN classic skylight dome, into which an opal PC 16 polycarbonate web plate has been integrated.

Aluminium support arches give the PC web plate a slight arch to avoid water residue.

The *classic* PC - s skylight dome is compatible with many products in the ESSMANN *classic* range and can be supplied in any standard size from 50/100 to 200/300.

Your benefits at a glance:

- Intentionally arched PC web plate to facilitate the self-cleaning effect and avoid water residue
- Very good heat insulation of $U_g = 1.8 \text{ W}/(\text{m}^2\text{K})$ combined with good light transmission
- The moulded drip edge provides excellent protection against the elements

ESSMANN classic PC - s skylight dome: Possible combinations

Other ESSMANN skylight domes	–
PVC skylight base 15	•
PVC skylight base 30/50 - i/fh	•
Metal base (all versions)	•
PVC skylight base 30 / AK30 - i/fh with MPA	•
Safety frame	•
Repair set	•
Renovation set	•
Installation units, pneumatic	•
Installation units, spindle/lifting opener	•
Installation units, spindle motor, 24 V / 230 V	•
Installation units, chain, 24 V	–
RWA, type F6 / F8 with/without corner training walls	•
NRWA, LK, type 24 V 160 with/without corner training walls	•
Fall-through protection, type: LK - L, LK - K	•
Intruder and fall-through protection	•
HDS protection system	•
Fall arrest safety console (PAS)	•
Insect protection mesh (for RWG (F6))	•
Darkening system (EVA)	•
Darkening system for RWG (F6) (EVA II)	–
Aluminium darking flap	–
Skylight base ventilator (AKV 30)	•
High-performance ventilator (EHV) (with metal base for installation height of 60 cm or more)	•
Roof hatch, type G (gas spring) + type M (motor)	–

ESSMANN classic PC - s skylight dome		
Glazing: PC 16 opal		
U value (glazing) U_g	1.8 W/(m ² K)	DIN EN1873 ^{1,2}
Total energy transmission g	47%	DIN EN 410
Light transmission T_{vis}	43%	DIN EN 410
Soundproofing quality R_w	20 dB	DIN EN 1873
Snow load SL	500-1000 N/m ²	dep. on the nominal size
Windlast WL	1500 N/m ²	
Brandverhalten	E	DIN EN 13501-1
Fire behaviour	B2	DIN 4102-1

¹ Calculated by Fraunhofer Institute for horizontal installation, acc. to test report P7-077/2010

² U values are indicated in combination with skylight bases using ESSMANN's U value calculation tool

Further information can be found at www.essmann.de

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