



# classic skylight dome

## Data sheet

For industrial flat roofs



Daylighting Solutions  
Natural Ventilation Solutions  
Smoke Management Solutions  
Service & Maintenance  
Building Automation

# Application

The classic skylight dome is a product for typical flat roof applications. Available with a choice of different glazing options, their functional performance can be enhanced with a large range of components, such as smoke and heat extraction devices, ventilation motors or fall-through protection.

## Application areas

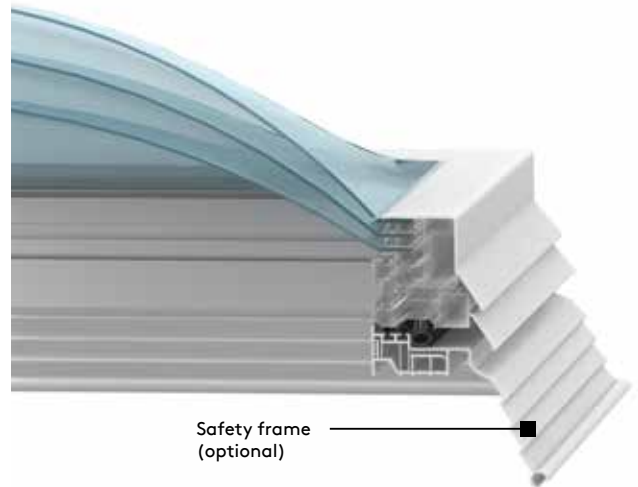
- all Kingspan skylight bases
- industrial flat roofs with a maximum roof pitch up to 25°
- new builds, renovations and repairs

## Material

- high-quality acrylic glazing
- PVC profile

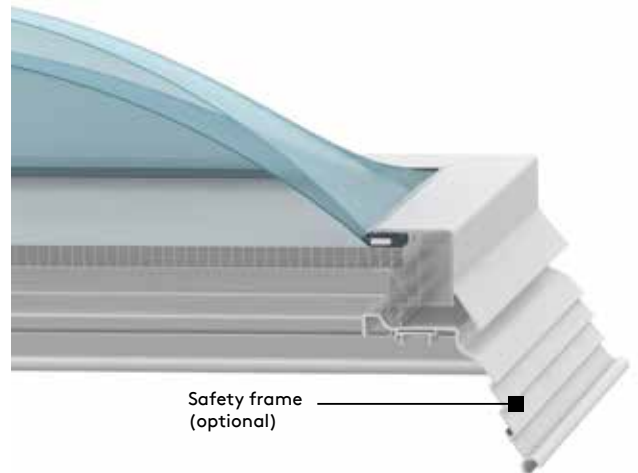
## Features and benefits

- available in 2-skin or 3-skin design or as a PC-st with PC 16 polycarbonate web plate
- sturdy border frame with additional moulded drip edge to protect against the elements
- functionality can be extended through a wide range of accessories
- location points for retrofitting ventilation units are provided on the rigid version
- rigid skylight domes can be retrofitted
- safety frame for optimum connection to roof seal, for resistance to driving rain and for storing the roof sheeting



Safety frame  
(optional)

Cross-section of 3-skinned classic skylight dome



Safety frame  
(optional)

Cross-section of classic PC-st  
skylight dome with 16 mm PC web plate



# Technical specifications

Technical specifications	classic skylight dome, 2-skinned	classic skylight dome, 3-skinned	classic skylight dome PC-st 16/7 with 1 acrylic skin	classic skylight dome PC-st 16/7 with 2 acrylic skins	classic skylight dome PC-st 16/3 with Aerogel filling and 2 acrylic skins
U <sub>t</sub> value	3.0 W/(m <sup>2</sup> K) <sup>1)</sup>	1.9 W/(m <sup>2</sup> K) <sup>1)</sup>	1.4 W/(m <sup>2</sup> K) <sup>1)</sup>	1.1 W/(m <sup>2</sup> K) <sup>1)</sup>	0.9 W/(m <sup>2</sup> K) <sup>1)</sup>
Light transmission	50 %	43 %	52 %	44 %	54 %
g value	58 %	49 %	55 %	46 %	45 %
Soundproofing quality R <sub>wp</sub>	20 dB <sup>2)</sup>	22 dB <sup>2)</sup>	22 dB <sup>2)</sup>	≥ 22 dB <sup>2)</sup>	≥ 22 dB <sup>2)</sup>

Standard glazing, opal, with fire behaviour class E (EN 13501). B-s1,d0 glazing can also be provided.

Other glazing options (impact resistant, fire-resistant, transparent, or heat and soundproof glazing) as well as variants (e.g. fire behaviour) available on request.

Size L x W [cm]	Incident light surface [m <sup>2</sup> ]	Size L x W [cm]	Incident light surface [m <sup>2</sup> ]
50 x 100	0.24	120 x 270	2.50
50 x 150	0.39	120 x 300	2.80
60 x 60	0.16	125 x 125	1.10
60 x 90	0.28	125 x 250	2.42
60 x 120	0.40	125 x 300	2.94
62,5 x 150	0.55	141 x 231	2.55
70 x 137	0.59	150 x 150	1.69
70 x 141	0.61	150 x 180	2.08
80 x 80	0.36	150 x 210	2.47
90 x 90	0.49	150 x 240	2.86
90 x 120	0.70	150 x 250	2.99
100 x 100	0.64	150 x 270	3.25
100 x 150	1.04	150 x 300	3.64
100 x 200	1.44	180 x 180	2.56
100 x 250	1.84	180 x 240	3.52
100 x 300	2.24	180 x 250	3.68
120 x 120	1.00	180 x 270	4.00
120 x 150	1.30	180 x 300	4.48
120 x 180	1.60	200 x 200	3.24
120 x 240	2.20	200 x 300	5.04

Other dimensions available on request

<sup>1)</sup> Calculated in accordance with Eurolux 010 for horizontal installation

<sup>2)</sup> Verified in accordance with EN 1873

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## INTERNATIONAL

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