



# Skylight dome LK classic

## Data Sheet

For industrial flat roofs



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

# Application

The skylight dome LK classic is a product for the classic requirements on flat roofs. It is available in different glazing variants and can be functionally extended by various components, such as smoke and heat extraction devices, ventilation drives, or fall-through protection systems.

## Application areas

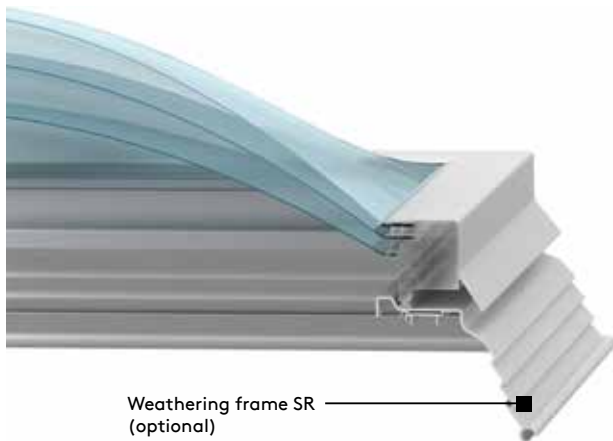
- All Kingspan skylight upstands
- Industrial flat roofs with a roof slope up to 25° maximum
- New buildings, renovation and refurbishment
- In combination with the weathering frame SR and extension upstands EasyFix, FlexFis and ASM the LK classic can be mounted on third-party upstands

## Material

- High-quality plastic glazing
- PVC profile

## Advantages and Features

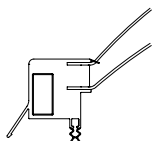
- Available in various glazing variants
  - Two or three shells
  - PC-st with polycarbonate multi-wall sheet PC 16/7 and one or two shells
- Robust clamping frame with moulded rain edge as weather protection
- Functionally expendable through a wide range of accessories
  - Fall-through protection systems
  - Natural smoke and heat exhaust devices (NSHEV)
  - Actuators for daily ventilation
  - Actuators for roof hatches
- Weathering frame SR for optimal connection to the roof membrane, high protection against weather impact and easy and quick protection of the membrane edge



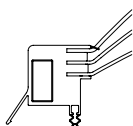
Cross section of skylight dome LK classic 3-shells



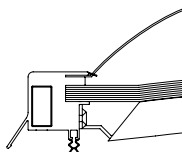
Skylight dome LK classic PC-st with skylight upstand AK PVC, 30 cm height and linear drive-ventilation in an opened position



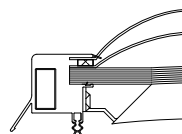
Skylight dome LK classic  
2-shells



Skylight dome LK classic  
3-shells



Skylight dome LK classic  
PC-st 1 shell + PC 16/7



Skylight dome LK classic  
PC-st 2 shells + PC 16/7

# Technical Data

| Technical Data                                   | Skylight dome LK classic<br>2-shells | Skylight dome LK classic<br>3-shells | Skylight dome LK classic<br>PC-st 16/7 and<br>1 PVC shell | Skylight dome LK classic<br>PC-st 16/7 and<br>2 PVC shells |
|--------------------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|
| U <sub>i</sub> value for horizontal installation | 3,0 W/m²K <sup>1)</sup>              | 1,9 W/m²K <sup>1)</sup>              | 1,4 W/m²K <sup>1)</sup>                                   | 1,1 W/m²K <sup>1)</sup>                                    |
| Light transmission                               | 61 %                                 | 47 %                                 | 42 %                                                      | 37 %                                                       |
| g value                                          | 65 %                                 | 62 %                                 | 53 %                                                      | 50 %                                                       |
| Soundproofing R <sub>wp</sub>                    | 20 dB <sup>2)</sup>                  | 22 dB <sup>2)</sup>                  | > 21 dB <sup>2)</sup>                                     | > 21 dB <sup>2)</sup>                                      |

Standard glazing opal with reaction to fire Class E (EN 13501). Optional, glazing in class B-s1,d0.  
Further glazing variants (impact-resistant, flame-retardant, clear or heat- and sound-insulating glazing) and design variants on request.

| Nominal size L x W [cm] | Incident light area [m²] | Nominal size L x W [cm] | Incident light area [m²] |
|-------------------------|--------------------------|-------------------------|--------------------------|
| 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 on request.

<sup>1)</sup> Calculated according to Eurolux 010 for horizontal installation  
<sup>2)</sup> According to EN 1873

# Locations

**United Kingdom and Ireland**  
Kingspan Light + Air  
Unit 7, Ridgeway Office Park, Bedford  
Rd, Petersfield  
GU32 3QF  
Tel: +32 9 210 06 00  
[www.kingspan.com/gb/en](http://www.kingspan.com/gb/en)

**Singapore**  
Kingspan Light + Air  
521 Bukit Batok Street 23  
#01-01/02 659544  
Tel: + 65 6475 8316  
[www.kingspan.com/sg/en/](http://www.kingspan.com/sg/en/)

**KLA International (Export)**  
Kingspan Light + Air  
Linie 48,  
5405 AN Uden  
Tel: +31 413 338 338  
[www.kingspanlightandair.com](http://www.kingspanlightandair.com)

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Subject to technical variations.  
Illustrations can differ.

For the latest product information please visit  
our website: <https://www.kingspan.com/gb/en/>

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