



Skylight dome LK neo plus Data Sheet



For increased requirements in industrial and
administrative buildings



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

Application

With its thermally separated profile system, the skylight dome LK neo plus offers optimum properties in terms of energy efficiency. This makes it ideal for increased requirements in industrial and administrative buildings.

Application areas

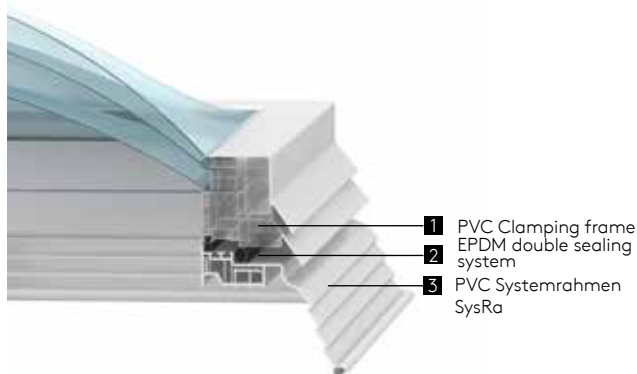
- Industrial flat roofs with a roof pitch from up to a maximum of 25°
- Administrative and public buildings (e.g. schools, sport halls)
- Heated industrial and commercial halls
- Logistic halls
- New buildings and energy efficient refurbishments

Material

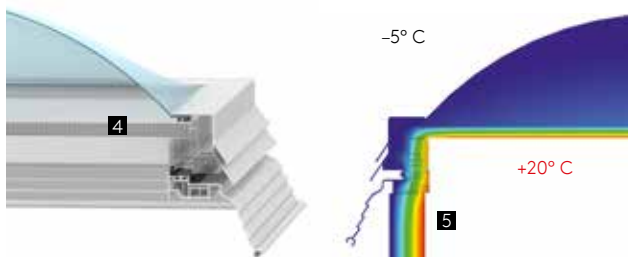
- High quality plastic glazing
- Energy efficient profile systems made of PVC
- High-quality multiple sealing system with EPDM hollow chamber seals

Advantages and Features

- Heating cost savings due to highly efficient overall construction
- Thermal bridge free overall construction, e.g. with thermally separated steel skylight base combined with PC-st glazing with a U_{RC} value up to 1,2 W/(m²K)
- Reduction in electricity costs due to high light transmission
- Reduced CO₂ emissions through high energy efficiency
- High rigidity and durability due to internal metal profiles
- Multiple sealing system made of EPDM hollow chamber seals
- As standard with multifunctional system frame for quick and safe storage of roofing membranes and as protection against the effects of weather
- As a repair and refurbishment set, also suitable for mounting on skylight bases from other manufacturers
- Simple, flexible retrofitting with accessories (e.g. linear drive for ventilation)
- Particularly low U values with PC-st glazing incl. 20/7 mm PC web panel
- Can be combined with electrically controlled roof exit EDA-M for comfortable access to the roof or with Dachausstieg EAD-G with gas pressure spring for easy manual opening and additional use for comfort ventilation through chain drive
- Functionally expandable with fall and fall-through protection systems and natural smoke and heat extraction devices (SHEV)

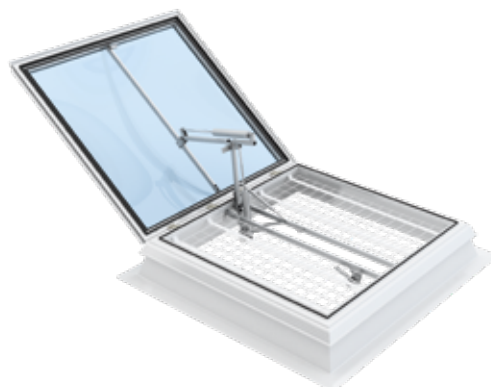


Cross section of skylight dome LK neo plus, triple glazing



Left: Cross section of skylight dome LK neo plus PC-st with 20 mm PC web plate and single glazing
Rechts: Isothermal curve of skylight dome LK neo plus PC st

- 1 PVC frame without screw connection visible from the outside
- 2 High-quality EPDM double sealing system
- 3 System frame SysRa for easy installation for storage of the roofing membrane and as weather protection
- 4 PC panel for particularly high light diffusion and additionally reduced heat loss (version skylight dome LK neo plus PC-st)
- 5 Kink-free isothermal curve for minimised condensation and mould risk



Skylight dome LK neo plus with skylight base AK PVC 30 cm height, fall and fall-through protection RSM LK and SHEV F6

Technical Data

Technical Data	Skylight dome LK neo plus triple glazing	Skylight dome LK neo plus PC-st 20/7 and single glazing
U _i value for horizontal installation	1,9 W/(m²K) ¹⁾	1,2 W/(m²K) ¹⁾
Light transmission	47 %	39 %
g value	62 %	53 %
Sound proofing R _{wp}	22 dB ^{2) 3)}	≥ 24 dB ^{2) 3)}

Standard glazing with fire behaviour class E (EN 13501-1). Optionally, glazing in B-s1,d0 can be used on request.
Other glazing variants (impact-resistant, flame-retardant, clear or thermal and sound insulation glazing) on request.

¹⁾ Calculated by Eurolux 010 for horizontal installation
²⁾ With proof according to EN 1873
³⁾ Sound proofing of the glazing

Nominal dimension L x W [cm]	Incident light area [m²] ⁴⁾	Nominal dimension L x W [cm]	Incident light area [m²] ⁴⁾
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

⁴⁾ Clear opening top edge of skylight base
Other dimensions on request.

Locations

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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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