Selected projects

Allpack Polska Sp. z o.o. warehouse hall,	**Kargowa**
Asclepios S.A. warehouse hall,	**Sieradz**
Strabag BMTI Center region base,	**Pruszków**
DINO Polska S.A. logistics center,	**Sieroniowice**
DINO Polska S.A. logistics center,	**Sierp**
Aluminium smelter expansion,	**Konin**
IKANO Industry Poland Sp. z o.o. production and warehouse hall,	**Rogozno**
IKEA Industry Poland Sp. z o.o. warehouse hall,	**Chlastawa**
IKEA Industry Poland Sp. z o.o. warehouse hall,	**Lubawa**
Impakt S.A. warehouse hall,	**Mosina**
Jeronimo Martins Polska S.A. distribution center,	**Modlnica**
JMK Sp. z o.o. warehouse hall,	**Niałek wielki near Wolsztyn**
Logistick Park P3 warehouse hall,	**Robakowo**
Rosaco Polska Sp. z o.o. warehouse hall,	**Koszalin**
M. Nencki County Hospital,	**Krotoszyn**
Volkswagen Poznań Sp. z o.o. production hall,	**Antoninek**
Leroy Merlin,	**Olsztyn**

KERA AWAK

Stripe of Your Successes

Roof skylights

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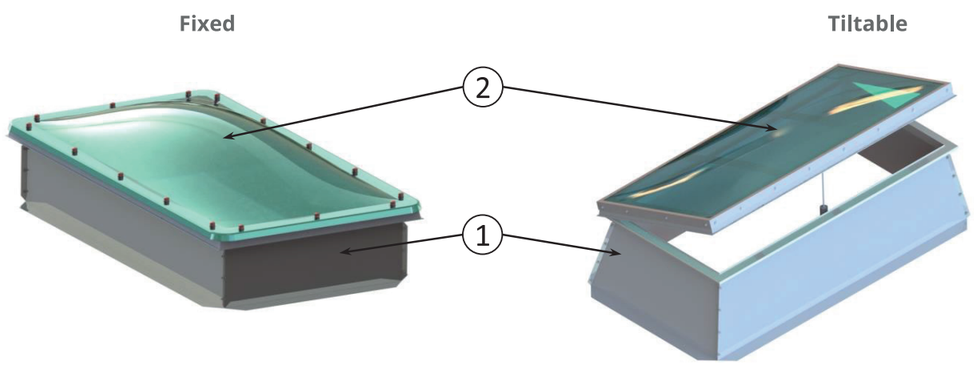
Roof skylights

Roof skylights are elements of roof construction that allow light to pass through and are mounted above the roof surface. They provide safe and comfortable exit options. They also serve for natural lighting of rooms with sunlight. Due to their construction characteristics, they are designed for installation on flat roofs (up to 15°).

Roof skylights are widely used in large-area buildings: production halls, logistics centers, warehouses, sports facilities, and shopping centers. They can be made in two variants: as fixed skylights or tiltable skylights with ventilation function.

Technical Description

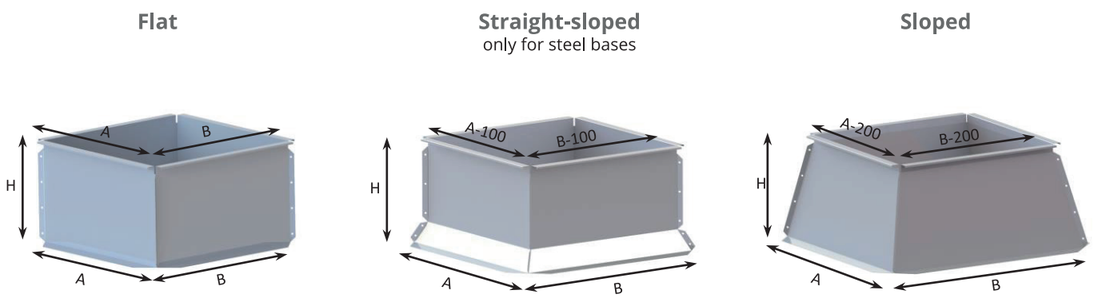
Basic distribution:



1. Base– material of choice:

- **Galvanized steel sheet** with a minimum thickness of 1.25 mm. It can be additionally painted in any color from the RAL palette (basic colors: 9010, 9002, 9003). The base height is tailored to the roof structure and technical requirements, ranging from 150 to 750 mm. Standard heights: 150, 350, 500, 750 mm. The base of roof skylights consists of four segments joined together, requiring a supporting structure around the entire perimeter.
- **Polyvinyl chloride (PVC)** with a height choice of 200 mm for a flat base, or 150 or 300 mm for a sloped base. This base is made entirely of PVC and requires supporting construction around the entire perimeter.

Base Types:



2. Covering:

- **multiwall polycarbonate (PC)** – thickness 10, 16, 20, 25 mm with outside UV protection cover;
- **NRO Kera Fire Protection cover** – fire resistance class BROOF(t1), thickness 21, 27, 33 mm;
- **PMMA or solid PC dome** – single- or multi-layer acrylic or polycarbonate dome;
- **Visibility** – clear (transparent) or opal (milky, standard for NRO Kera Fire Protect type);
- **Solar Control** – multiwall polycarbonate sheet versions absorb all UV radiation, and a large part of the Infrared radiation (heat), whilst transmitting most of the visible light. This will reduce the temperature below the glazing during the hottest time of the day.

Technical parameters

- **Dimensions** – available dimensions range from 60 to 200 x 60 to 300 cm
- **DL 750** – load resistance downward up to 750 N/m²
- **UL 1500** – load resistance upward up to 1500 N/m²
- **SB 300 - SB 1200** – resistance to impact by soft body with energy ranging from 300 to 1200 J

Declaration of Performance – issued by the manufacturer in accordance with the EN1873:2014+A1:2016 standard (national equivalent: PN-EN1873+A1:2016-03).

- **Additional functions:**
  - Ventilation - 230V electric actuators with spindle extension of 300 or 500 mm are used to open tilt skylights with ventilation function. In the case of large skylight dimensions, it is possible to use a tandem of actuators;
  - Anti-fall grating;
  - The inside upstand sheet can be painted in any colour from the RAL palette;
  - Fire baffle - stops the penetration of flames and gases during a fire. The baffles are offered with resistance classes RE30 - RE60, REW30 - REW60 and REI30 - REI60. Installation at the base of the skylight. Fire baffle option not available for skylights with hinged segments.

Additional features

- up to 10-year warranty on polycarbonate cover and product tightnes
- 2-3 years warranty on actuators
- designing unique solutions tailored to the clients' needs
- supporting with technical documentation's preparation
- providing technical consulting at every stage