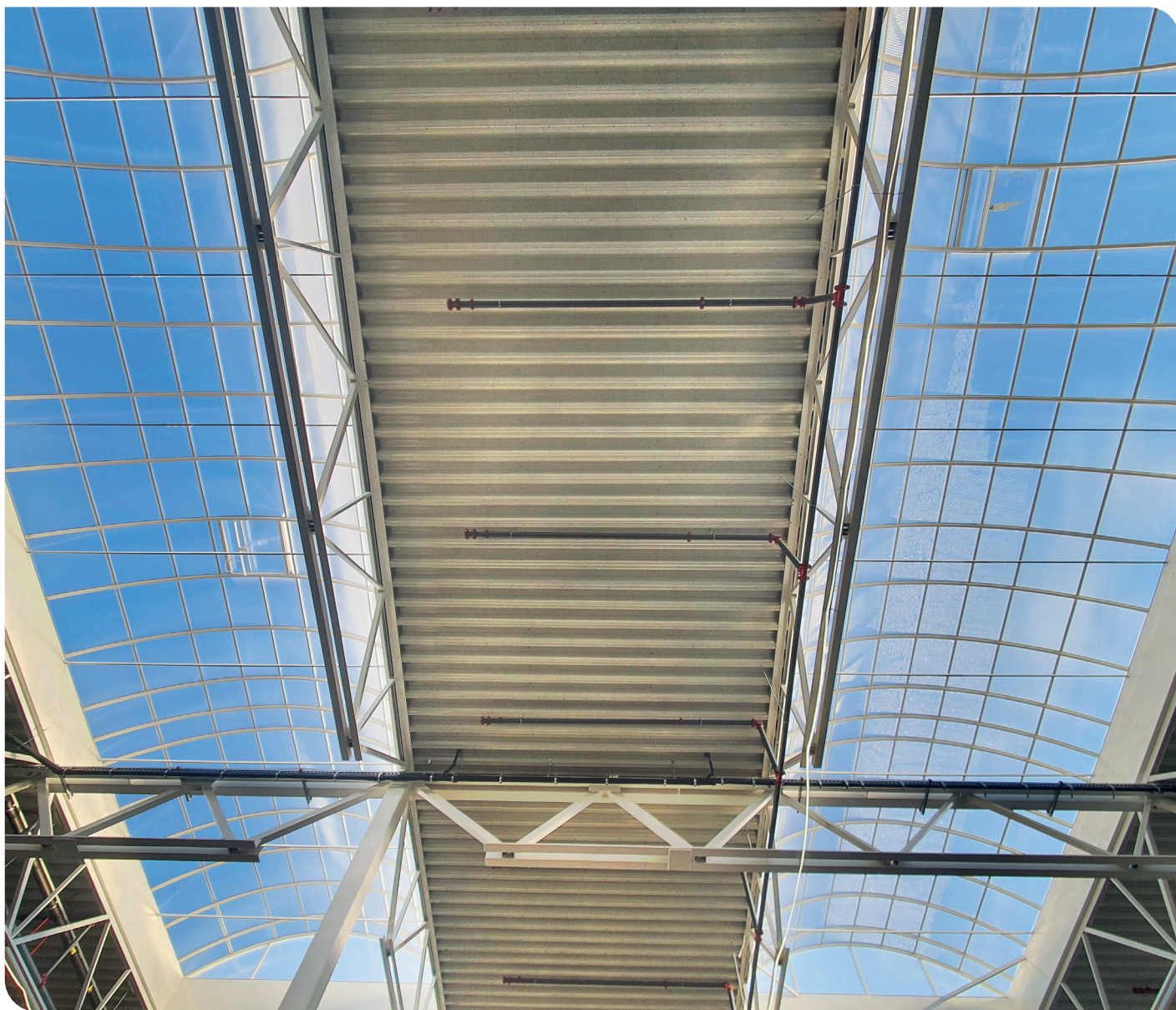




Continuous rooflights



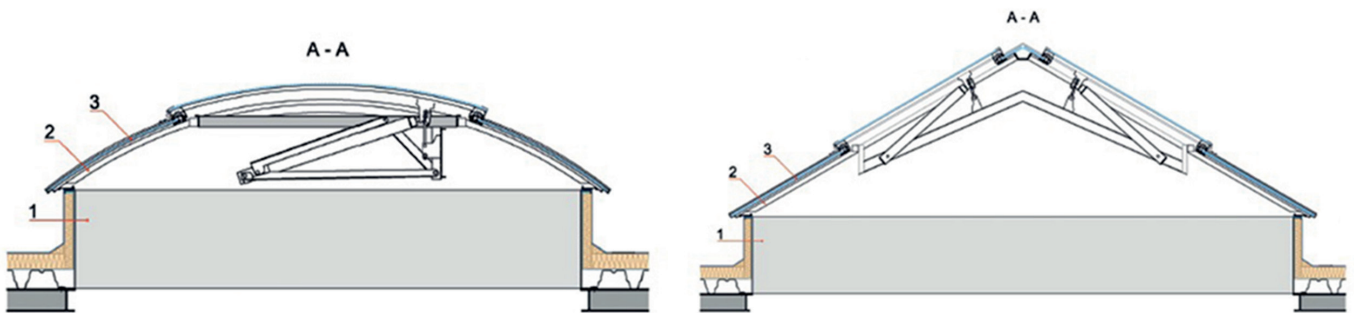
 **More light and air**

Continuous rooflights

Continuous rooflights are long and light-transmitting surfaces mounted in roofs. They are mounted above the roof surface. Their purpose is to illuminate the usable areas with natural light. They are used in various buildings and industrial halls. The sunlight coming through continuous roof lights is evenly distributed inside facilities. It is a perfect complement or substitute of window lighting.

Continuous rooflights are widely used in large-scale facilities, i.e., production halls, logistics centres, warehouses, sports facilities, high-rise warehouses, and shopping centres. They can be made in two variants: triangular or arched. Continuous rooflights can be equipped with a ventilation flap providing natural ventilation of facilities, and with a smoke vent for smoke and heat extraction in case of fire.

| Technical description



1. Upstand – made of galvanised steel sheet 1,5 mm – 3 mm thick and 150 mm – 750 mm high. The base should be insulated with a layer of mineral wool, polystyrene, or PIR foam 50 mm up to 120 mm thick.

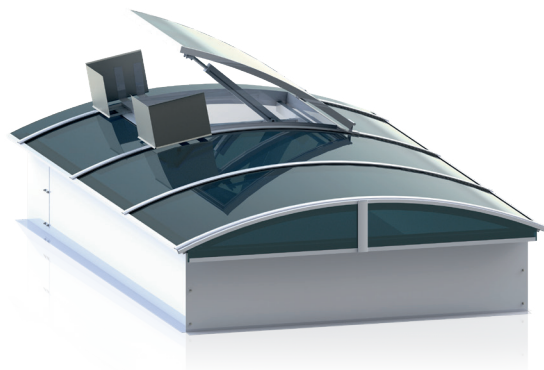
2. Frame – aluminium profiles, correctly connected together with fasteners, constitute a rigid and light frame in which covers are fixed.

3. Lid – the cover is made of cellular polycarbonate or multiwall polycarbonate combined with a special fabric, to offer a product classified into non fire spreading class Broof (t1)/NRO.

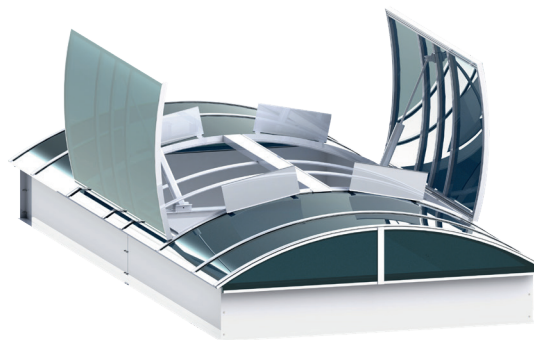
The flap or vent in a continuous rooflight is an additional element.

The smoke vent is activated with either a 24 V electric drive or a pneumatic drive. Ventilation function will require to supplement the pneumatic drive with an additional 230 V actuator, while the 24 V drive will suffice for both smoke extraction and ventilation functions.

For ventilation function only 230 V actuator is used.



Continuous skylight with single-leaf smoke vent



Continuous skylight with double-leaf smoke vent

| Technical parameters

- ▶ Width from 0.8 m up to 6 m for arch continuous rooflights or from 0.8 m up to 4.5 m for triangular continuous rooflights,
- ▶ DL 750 – downward load resistance up to 750 N/m²,
- ▶ UL 1500 – upward load resistance up to 1500 N/m²,
- ▶ SB 1200 – soft and heavy body impact up to 1200 N/m²,
- ▶ 1.1-2.5 W/m²K – heat transfer coefficient for the entire product. The coefficient value depends on the choice of cover and base variants (Solar Control, light translucency to 0%),
- ▶ Smoke vents incorporated in rooflights (+ possible ventilation option):

Type/dimensions	Min [mm]	Max [mm]
Single-leaf	1000 x 1000	2000 x 3000
Double-leaf	1600 x 1600	3000 x 3000

- ▶ SL250 / SL550 / SL900 – reliable operation for smoke vents under a load of 250 N/m², 550 N/m², and 900 N/m², respectively,
- ▶ High values of smoke extraction parameters specified in the Certificate of Constancy of Performance, 1488-CPR-0042/W in accordance to standard EN 12101-2:2003, Declaration of Performance with CE mark,
- ▶ Additional options:
 - ▶ Smoke vent can be equipped with fall protection grids or/and a mosquito net,
 - ▶ Smoke vent can be equipped with anti-fall grab bars,
 - ▶ Inner side of the base can be painted in any colour from the RAL palette,
 - ▶ Retrofitting the smoke vent with a smoke extraction and ventilation system, e.g., smoke extraction control panel (Actulux, AFG), smoke detectors, emergency buttons.

| Additional features

- ▶ 5-year warranty on tightness,
- ▶ 10-year warranty on polycarbonate cover,
- ▶ designing unique solutions tailored to the clients' needs,
- ▶ supporting with prepare technical documentation,
- ▶ providing technical consulting at every stage,

| Finished projects

- ▶ Bauhaus Store
- ▶ Bauhaus Store
- ▶ IKEA Store
- ▶ Warehouse
- ▶ Shopping Mall and Warehouse
- ▶ NEMAK Production Hall
- ▶ Lacoste Production Hall
- ▶ Ralcorex Production Hall
- ▶ Elacite med. Production Hall
- ▶ Domus NG
- ▶ IKEA Production Hall
- ▶ IKEA Production Hall
- ▶ IKEA Production Hall
- ▶ IKEA Production Hall
- ▶ IKEA Production Hall
- ▶ Leroy Merlin Store
- ▶ Lexus Showroom

Växjö, Sweden
Karlstad, Sweden
Belgrade, Serbia
Riga, Latvia
Kekava, Latvia
Gyor, Hungary
Sibiu, Romania
Bucuresti, Romania
Entropole, Bulgaria
Sofia, Bulgaria
Babimost, Poland
Chlastawa, Poland
Lubawa, Poland
Orla, Poland
Wielbark, Poland
Olsztyn, Poland
Cracov, Poland

