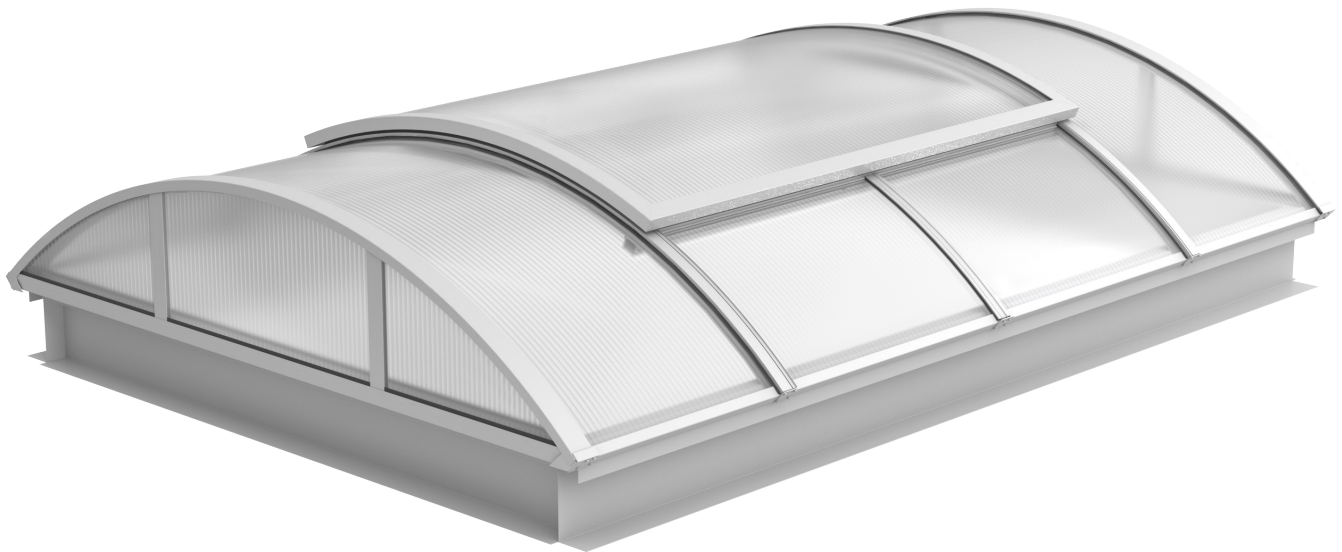


Arcade Rooflight Data Sheet

Certified as LB Basic

The modular daylight system for the industrial flat roof



Application

With its expandable functionality, the Arcade Rooflight is a system for standard requirements in industrial flat roofs. In this sector, Arcade is an ideal solution for pure lighting, ventilation or for complex smoke and heat extraction systems.

Application areas

- Industrial flat roof up to a roof pitch up to a maximum of 25° (parallel to the ridge maximum 5°)
- Larger pitches on request
- New building and refurbishment
- On Kingspan frame systems or on-site frame upstands

Material

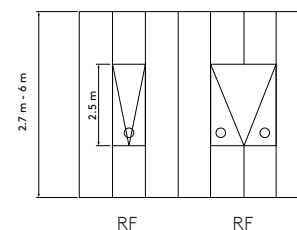
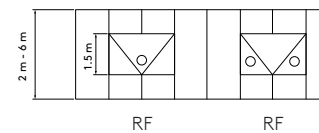
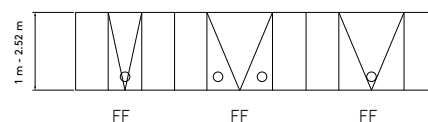
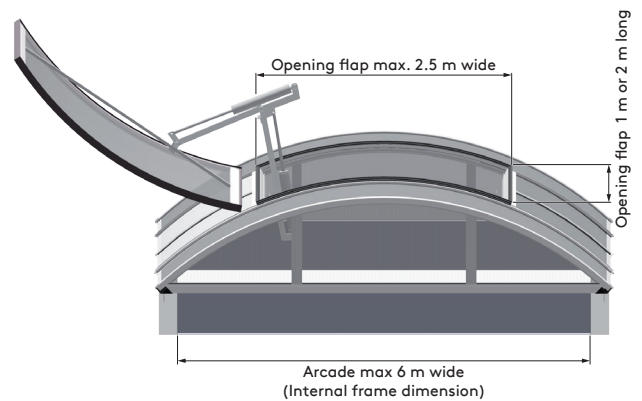
- Profile system made from aluminium
- Sheet material made of polycarbonate multiwall panels, PETG, GFK

Advantages and Features

- Available in spans from 1 to 6 metres in any length
- Expandability through modularity and a wide range of accessories
- Different glazing variants available for a wide range of requirements such as heat, sun, sound or emission protection
- Individually adaptable to static requirements
- Versions for carrying high snow loads possible
- Approved according to European Technical Assessment ETA-17/0482
- Compatible with Kingspan fall and fall-through protection systems (GS-BAU-18:05-2020, fall height 1.2 m / 2.4 m; depends on system)
- Intelligent connection technology through safety frame connection made of EPDM for sheet metal roof connection



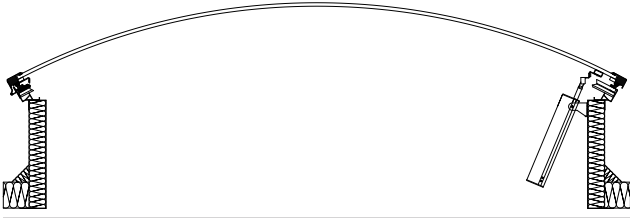
Cross section of Arcade



FF = Full flap
RF = Ridge flap
SHEV starting with a span width of 1.35 m (national)

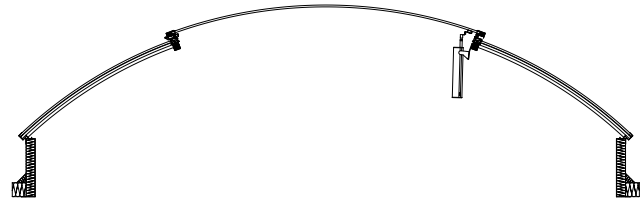
Flap variants for Arcade

Technical Data



Full flap with ventilation drives

- Mounting position: Across the entire span of the continuous rooflight
- In 1 m and 2 m dimensions available
- For span widths of 1 m up to 2.52 m
- SHEV flap system tested and certified according to EN 12101-2



Ridge flap with ventilation drives

- Mounting position: In the ridge with two transom profiles for fastening
- For span widths from 2 m up to 6 m (1.5 m x 2 m)
- For span widths from 2.3 m / 2.7 m up to 6 m (2.1 m x 1 m)
(2.1 m x 2 m)
(2.5 m x 1 m)
(2.5 m x 2 m)

Can be combined with electric smoke and heat extraction devices NRWG F6 LB and NRWG 24/48 V LB certified to EN 12101-2 (see separate product data sheets)

Section of available glazing - further variants on request

Glazing variants	Span width (m)	U _e value (W/m ² K) ¹⁾	Sound proofing (dB) ⁴⁾	Light transmission ³⁾ (%)	g value ³⁾ opal (%)	Fire behavior (EN 13501)
PC 10/4	1 - 6	2.9	19	61	61	B-s1, d0
PC 16/7	2 - 6	1.9	21	45	46	B-s1, d0
PC 20/7	2.5 - 6	1.6	23	44	45	B-s1, d0
PC 10/4 + 10/4	1 - 6	1.7	24	43	51	E
PC 10/4 + Glasvlies + PC 10/4 ²⁾	1 - 6	1.7	24	30	40	E
PC 16/7 + 10/4	2 - 6	1.3	24	34	44	E
PC 16/7 + Glasvlies + PC 10/4 ²⁾	2 - 6	1.3	24	25	38	E
PC 16/7 + 6 mm PETG	2 - 6	1.8	30	39	52	E
PC 16/7 IR control white	2 - 6	1.9	21	22	31	B-s1, d0

¹⁾ Horizontal installation

²⁾ Meets the requirements for B roof (t1)

³⁾ Only opal glazing, other glazings on request

⁴⁾ Sound proofing of PC sheets

U_{RC} values can be calculated individually on request.

The continuous rooflight basic is supplied with a pitch of 1/5 or 1/9 depending on the glazing material, static design and width.

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To ensure you are viewing the most recent and accurate product information, please visit this link:

<https://www.kingspan.com/content/dam/kingspan/kla/products/arcade-rooflight/kingspan-arcade-rooflight-data-sheet-en-gb-ie.pdf>

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