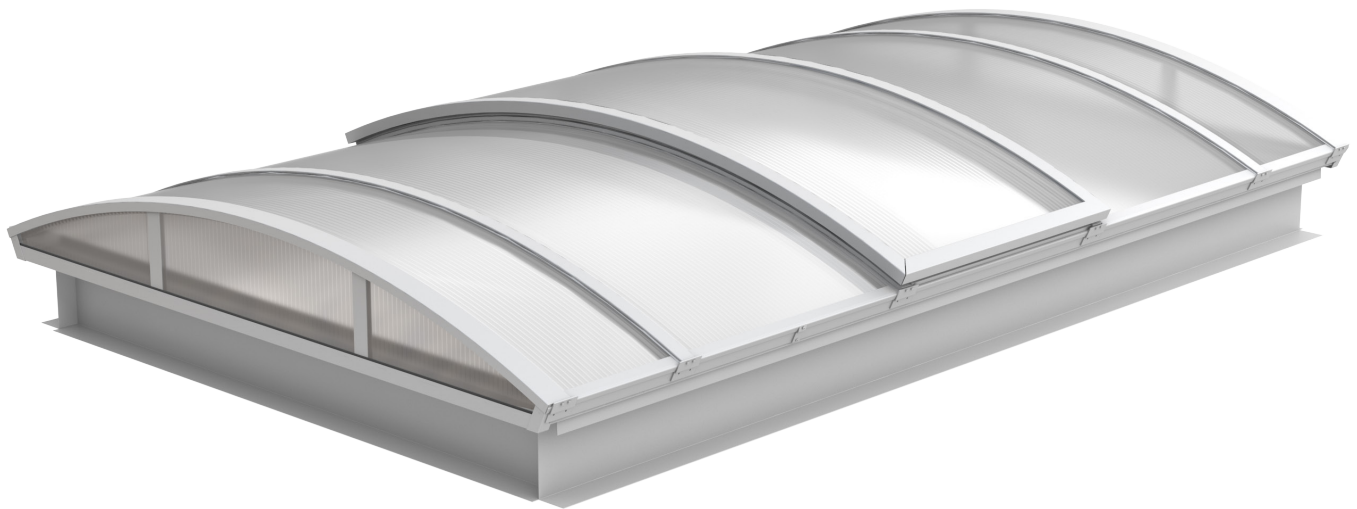


Arcade Plus Rooflight Data Sheet

Certified as LB Plus

Modular, thermally broken daylighting system



Application

The Arcade Plus Rooflight is a high-quality, thermally broken, arched aluminium and PVC profile construction. It is particularly suitable for use with increased requirements for thermal insulation, air tightness and condensation protection.

Application areas

- Industrial flat roof up to a roof pitch of max. 25° (parallel to the ridge max. 5°)
- Higher pitches on request
- Heated industry halls, exhibition and sport halls, commercial and administrative buildings
- New buildings and refurbishment
- On Kingspan frame systems or on-site frame upstands

Material

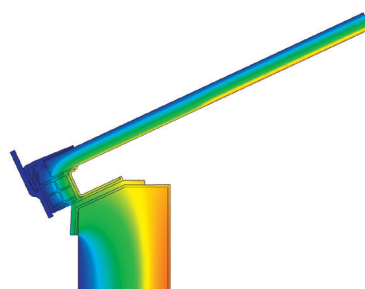
- Profile systems made of Aluminium and PVC
- Sheet material made of polycarbonate multiwall panels, PETG, GFK

Advantages and Features

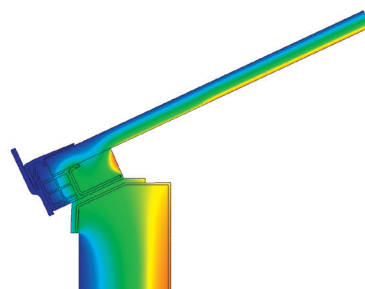
- Available in spans from 1 to 6 metres in any length
- Possible U_{RC} value of the rooflight construction including frame $\geq 1,1 \text{ W/(m}^2\text{K)}$
- Very good isothermal curve in the profile system
- Optional base profile insulation to optimise the profile system (for higher requirements)
- Thermally broken flap systems
- 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
- As an accessory, the HDS LB protection system not only offers excellent sun, hail and fall-through protection, but also fulfils the requirements of EN 13501-5 at the same time
- Individually adaptable to static requirements
- Versions for carrying high snow loads possible
- Heating cost savings due to highly efficient overall design
- 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 1,20 m / 2,40 m; depending on system)
- Intelligent connection technology through safety frame connection made of EPDM for sheet metal roof connection



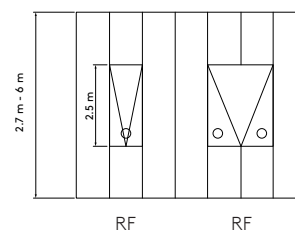
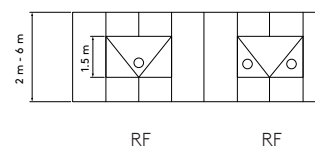
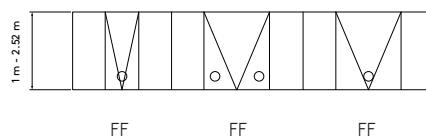
Cross section of Arcade Plus



Isothermal curve of Arcade Plus in cross section without additional insulation in the support area



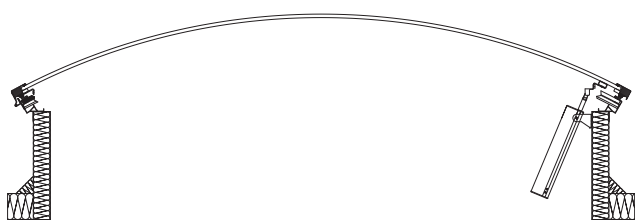
Isothermal curve of Arcade Plus in cross section with additional insulation in the support area



FF = Full flap
RF = Ridge flap

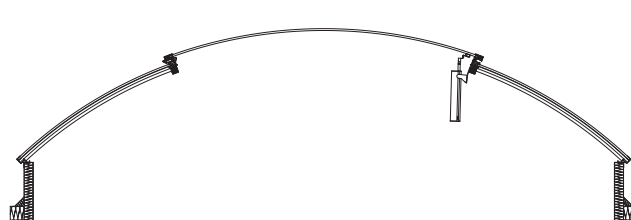
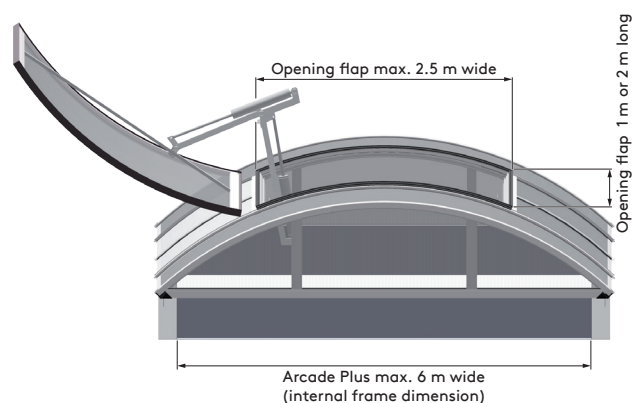
Flap variants for Arcade Plus

Technical Data



Full flap with ventilation drives

- Mounting position: across the entire span of the product
- Available in 1 m and 2 m dimensions
- For span widths of 1m up to 2.52 m



Ridge flap with ventilation drives

- Mounting position: in the ridge with two transom profiles for fastening
- Flap dimensions (W x L):
1.5 m x 2 m
2.5 m x 1 m
2.5 m x 2 m
- For span widths from 2 m up to 6 m (1.5 m x 2 m)
- For span widths from 2.3 / 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 _t value (W/m ² K) ¹⁾	Sound proofing (dB) ⁴⁾	Light transmission ³⁾ (%)	g value ³⁾ opal (%)	Fire behavior (EN 13501)
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 + Insulation + 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 + Insulation + 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 + PC 16/7	2 - 6	1.1	25	26	41	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) according to EN 13501-5

³⁾ Only opal glazing, other glazings on request

⁴⁾ Sound proofing of PC sheets

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

Arcade Plus is supplied with a pitch of 1/5 or 1/9 depending on the glazing material, static design and width.

Contact us

UK & Ireland

Kingspan Light + Air

Ridgeway Office Park, Bedford Road,
Petersfield GU32 3QF, United Kingdom

T: +44 (0) 2392 451 111

E: info@kingspanlightandair.co.uk

www.kingspanlightandair.co.uk

We take every care to ensure that the information in this document is accurate at the point of publication. Specification may vary (within a small parameter) due to manufacturing process variations or environmental conditions. All images are for illustration purposes only and should not be taken as binding. The actual product may vary, and specification/dimensions/colour/other attributes may differ. 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-plus-skylight/kingspan-arcade-plus-rooflight-data-sheet-en-gb-ie.pdf>

©Kingspan and the Lion Device are Registered Trademarks of the Kingspan Group plc in the UK, Ireland and other countries. All rights reserved. Registered Company No. 02940609. Registered Office: Unit 7, Ground Floor, Block B, Ridgeway Office Park, Bedford Road, Petersfield, Hampshire, England, GU32 3QF