



Kingspan Arcade Rooflight Data Sheet

The continuous rooflight system for industrial flat roofs



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

Application

The Kingspan Arcade rooflight is a system for standard requirements in industrial flat roofs. In this sector, the Arcade rooflight is an ideal solution for daylighting, ventilation, or for complex smoke and heat extraction systems.

Application areas

- Industrial flat roofs (e.g. for warehouses) with a maximum roof pitch of 20° (max. 5° parallel to the ridge)
- Greater pitch angles on request
- New-builds and renovation projects

Material

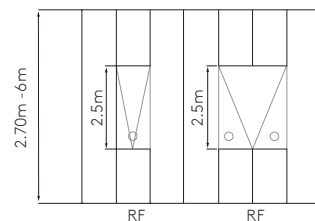
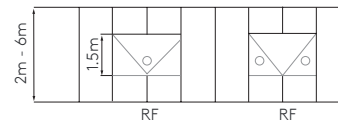
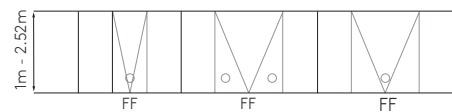
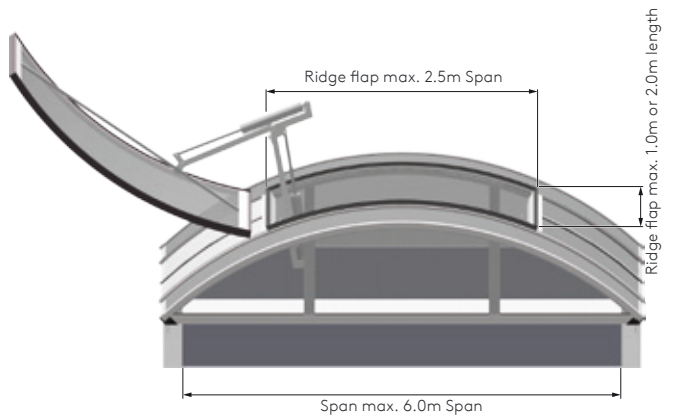
- Aluminium profile system
- Panel material made of polycarbonate multiwall panels, PETG, glass mat

Features and benefits

- Available in any length, in spans from 1–6 metres
- Extendable modular design with a wide range of accessories
- Different glazing options for a wide range of requirements
- Individually adaptable to static requirements
- Design options for dispersing high snow loads
- Approved according to European Technical Approval ETA - 17/0482 and type approval
- Compatible with Kingspan fall-through protection systems (GS-B10 18 height of fall 1.20m / 2.40m; system-specific)
- Water-tight to EN 14963
- Non-fragile Class B in accordance with ACR(M)001:2014 and EN14963 Class SB1200 when installed as per Kingspan details



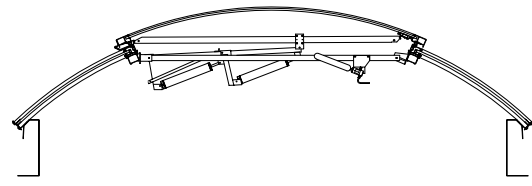
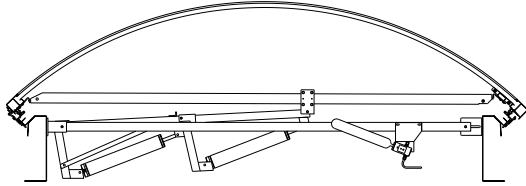
Cross-section of Kingspan Arcade rooflight



FF = Full Flap
RF = Ridge Flap
SHE-unit as of span width 1.35m

Flap variants for Arcade rooflight

Technical Specifications



Full flap with NSHE⁴⁾

- Installation position: over the entire span of the Arcade rooflight
- Available in 1.00m and 2.00m versions
- For spans from 1.00m to 2.52m
- Smoke and heat extraction flap systems tested and certified in accordance with EN 12101-2

Ridge flap vent with NSHE

- Installation position: in the ridge with two transom profiles for mounting
- Flap dimensions (W x L):
1.50m x 2.00m
2.50m x 1.00m
2.50m x 2.00m
- For spans from 2.00m to 6.00m
(1.50m x 2.00m)
- For spans from 2.70m to 6.00m
(2.50m x 1.00m)
(2.50m x 2.00m)
- Smoke and heat extraction flap systems tested and certified in accordance with EN 12101-2

Glazing options	Span width (m)	U _T value (W/m ² K)	Soundproofing quality (dB)	Light transmission ³⁾ (%)	g value ³⁾ Opal (%)	Fire behaviour (EN 13501)
PC 10/4	1.00- 6.00	2.5 ¹⁾	19	61	61	B-s1, d0
PC 16/7	2.00- 6.00	1.8 ¹⁾	21	45	46	B-s1, d0
PC 20/7	2.50- 6.00	1.6	23	44	45	B-s1, d0
PC 10/4 + 10/4	1.00- 6.00	1.7	24	37	43	E
PC 10/4 + glass mat + PC 10/4 ²⁾	1.00- 6.00	1.7	24	27	33	E
PC 16/7 + 10/4 ²⁾	2.00- 6.00	1.3	24	28	37	E
PC 16/7 + glass mat + PC 10/4 ²⁾	2.00- 6.00	1.3	24	20	29	E
PC 16/7 + 6 mm PETG	2.00- 6.00	1.8	30	38	43	E
PC 10/2 with Aerogel filling	1.00- 3.30	2	21	74	71	E
PC 16/3 with Aerogel filling	2.00- 3.50	1.3	21	65	64	E
PC 20/3 with Aerogel filling	2.50- 3.50	1.1	21	63	63	E
PC 16/7 IR control white	2.00- 6.00	1.8 ¹⁾	21	22	31	B-s1, d0

1) Vertical installation

2) Meets the requirements for B roof (t1) "hard roofing"

3) Opal glazing only, others on request

4) NSHE (T-05) from span of 1.35 m (national)

Specific U values can be calculated on request.

Depending on the glazing material and width, the Arcade rooflight is supplied with a pitch of 1/5 or 1/9.

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