

BLB

# Barrel vault skylight



Barrel vault skylight strips are the ideal solution for illuminating buildings with natural daylight. They combine functionality, aesthetics, and energy efficiency, creating bright spaces while reducing energy costs. Thanks to high-quality materials and state-of-the-art technology, including thermally broken profiles, they offer optimal thermal insulation and prevent thermal bridging. This advanced construction not only ensures energy efficiency but also contributes to a pleasant indoor climate – regardless of the season.

## Typical Applications

Barrel vault skylight strips have a wide range of applications, such as in commercial, industrial, and logistics centers, where they provide efficient and uniform lighting. They are also suitable for sports halls, shopping centers, and public buildings to create pleasant, well-lit spaces. Even in agricultural buildings, they contribute to an optimal lighting environment.

**CE CERTIFIED**  
**ETA-19/0625****Opening Dimensions:**

Width from 1.000 mm to 6.500 mm

**Glazing:**

Polycarbonate from 10 mm up to 42 mm

**U-Value:**Down to 0.60 W/m<sup>2</sup>K**Thermal Break:**

Ensured by polyamide bars within the profile

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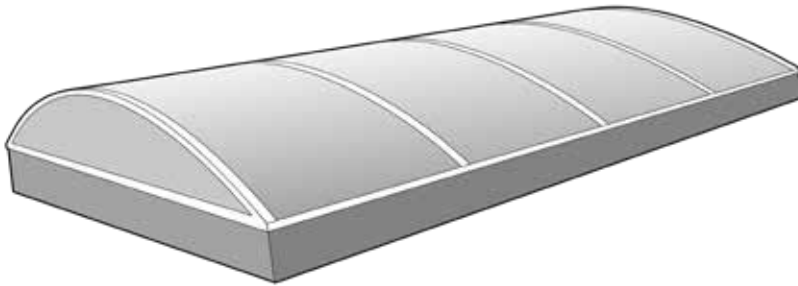
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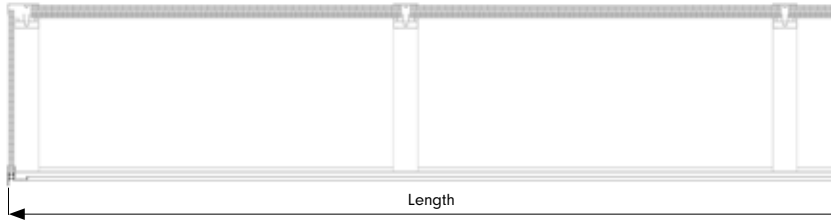
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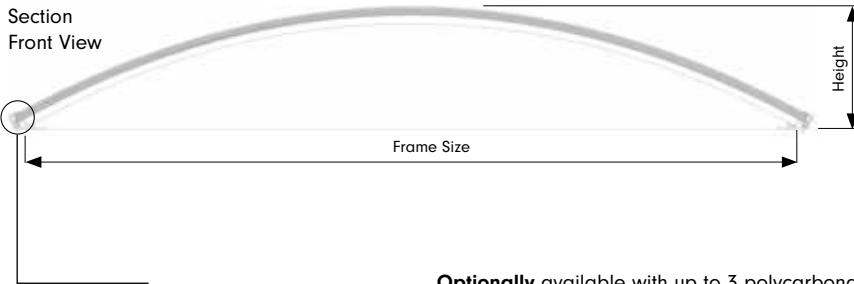
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Section  
Side View



Section  
Front View



**Opening Dimensions**

Width from 1,000 mm to 6,500 mm

**Glazing**

Polycarbonate from 10 mm to 42 mm

**Materials**

Tempered aluminum AlMg3, seawater- and corrosion-resistant, extruded aluminum profiles for the frame.

**Optional Surface Treatment**

Powder coating, RAL colors

**Optional Features**

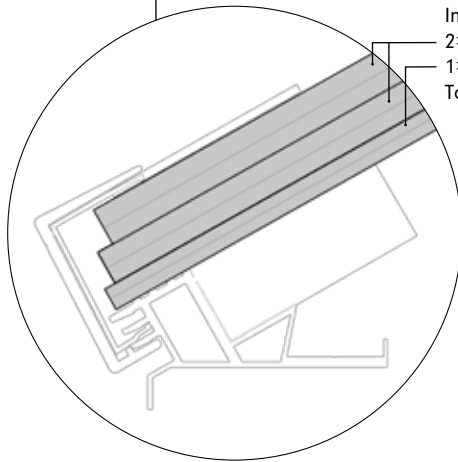
- Fall-through protection
- Reinforced mechanical protection
- Thermal break using polyamide strips (Integrated into the profile)

	Frame Size <sup>1</sup>	Length <sup>1</sup>	Height <sup>2</sup>
min.	1.000 mm	1.072 mm	200 mm
max.	6.500 mm	unbegrenzt	880 mm

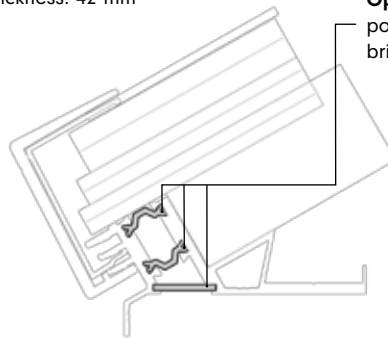
- 1.) Special dimensions available on request.
- 2.) The height is determined by the curvature, which depends on the frame size, and cannot be freely selected.

**Optionally available with up to 3 polycarbonate panels (6 mm, 10 mm, 16 mm), which can be freely combined up to a maximum total thickness of 42 mm.**  
In this example, the following panels were selected:

- 2× PC 16 (16 mm each)
- 1× PC 10 (10 mm)
- Total thickness: 42 mm



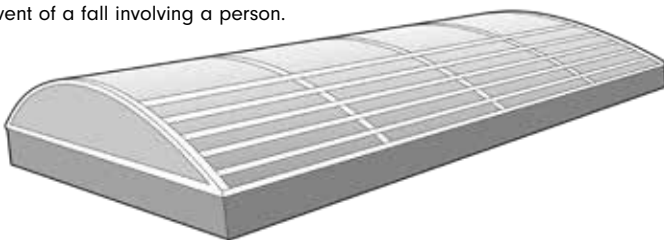
**Optional thermal separation** through polyamide strips to eliminate thermal bridges.



	Insulation values PC	
	Thermal U-value W/m <sup>2</sup> K	Sound Rw-value dB
PC 6 Solid sheet	5,0	29
PC 10 Multiwall	2,4	19
PC 16 Multiwall	1,8	21

**Optional fall-through protection.**

Integrated longitudinal profiles are designed to prevent accidental penetration in the event of a fall involving a person.



**Optional reinforced mechanical protection.**

Perforated metal sheets offer both fall-through protection and increased durability against external mechanical stress (e.g. hail), along with continuous light protection.

