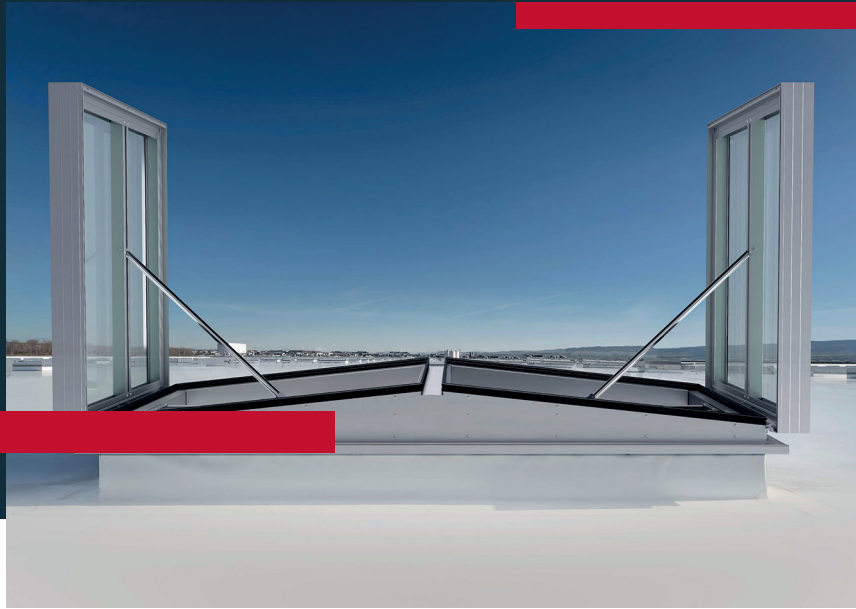


DKL-GL

Double flap ventilator



DKL-GL is a double-leaf smoke and heat extraction system designed to rapidly expel large volumes of warm air and smoke from the building interior. At the same time, it supports natural ventilation and makes optimal use of available daylight. Its flexible installation options – for example, on various upstands or in combination with rooflights – allow for seamless integration into a wide range of building and roof structures.

Manufactured in accordance with strict ISO 9001 quality standards, and compliant with European standard EN 12101-2, the system ensures the highest safety and performance levels for natural smoke and heat exhaust ventilation systems (NSHEVs). Endurance tests of up to 10,000 opening and closing cycles demonstrate its robust and long-lasting construction. The high-quality, corrosion-resistant aluminium requires minimal maintenance while ensuring reliable watertightness.

Whether pneumatic or electric, various actuator options offer maximum flexibility and user convenience. DKL-GL is also available in larger dimensions, up to 2,000 x 2,000 mm (width x length).

Typical Applications

DKL-GL is ideally suited for use on flat roofs as well as barrel vault rooflight systems. It is particularly effective in warehouses, logistics centres, production facilities, and industrial environments, where it ensures efficient smoke and heat extraction along with improved indoor climate – enhancing safety, productivity, and overall comfort.

CE CERTIFIED
CE EN 12101-2

Opening Dimensions

From 1.000 x 1.000 mm up to 2.000 x 2.000 mm

Opening Angle

Continuously adjustable between 0° and 90°

Fire Ventilation Control

P2F: Opening and closing via double-acting pneumatic cylinder with thermal fuse

M24V: Crossbar with 24 V motor

Flap Types

ISO – double-pane insulated glass
(U-Wert: 1,1)

TB – Thermal break in the aluminum profiles
(available for ISO)

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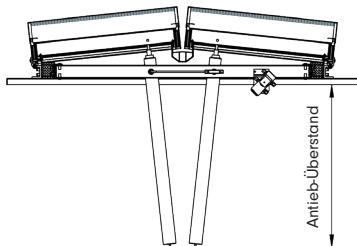
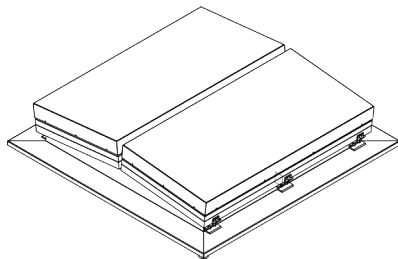
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Opening Dimensions

From 1.000 x 1.000 to 2.000 x 2.000 mm.

Opening Angle

Continuously up to 90°

Materials

Hardened aluminum AlMg3, seawater and corrosion resistant, extruded aluminum profiles for the frame. Corrosion-resistant bearings.

Optional Surface Treatment

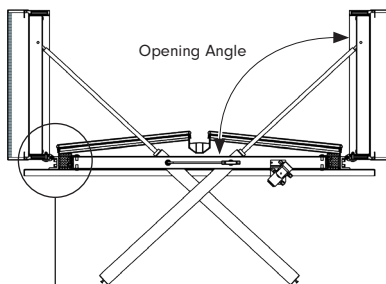
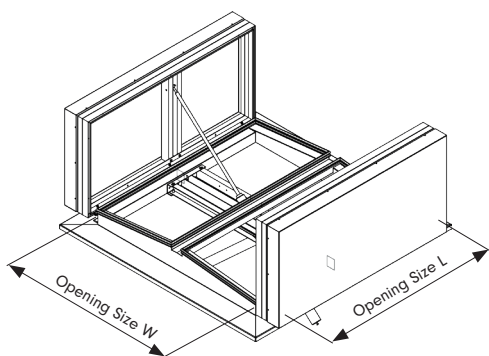
Powder coating, RAL colors

Optional Equipment

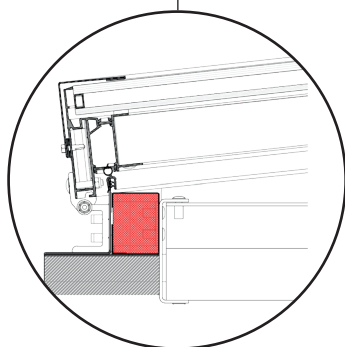
Bird and insect protection screens
Fall-through protection

Controls for Smoke Ventilation

P2F: Opening and closing via double-acting pneumatic cylinder with thermal fuse.
M24V: Traverse with 24 V motor.



	Opening Size W x L	Roof Pitch	Overhang
min.	1.000 x 1.000 mm	closed 6°	630 mm (electr.)
max.	2.000 x 2.000 mm	open 90°	890 mm (pneum.)

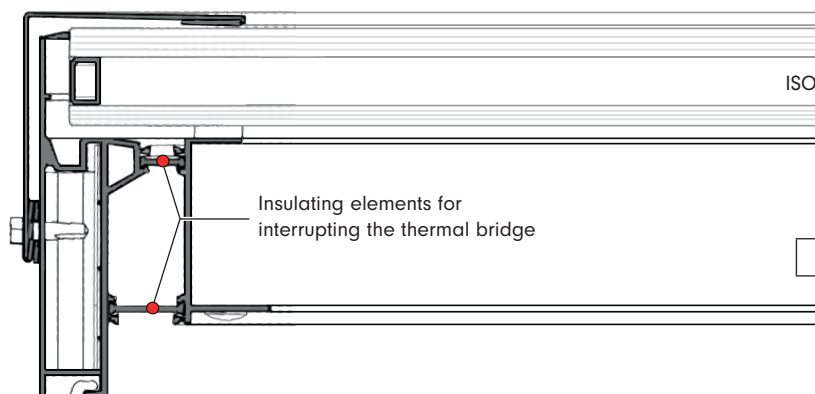


TB - Thermal Break

An optional thermal break in the aluminum profiles prevents the formation of condensation on the inner frame structure. This avoids dripping of condensed water into interior areas below, as well as the formation of mold.

Flap Type

ISO - double-pane insulated glass
TB - Thermal break in the aluminum profiles (available for ISO)



ISO - double-pane insulated glass

Insulation glass		
	Thermal U-value W/m²K	Sound Rw-value dB
ISO	1,1	40