

PRODUCT FEATURES

The LUVIA is a window ventilator suitable for natural day to day ventilation and smoke control. The attractive aesthetics together with its technical properties make it a special solution for glass roofs applications. LUVIA has a very compact construction, high-quality and thermally broken aluminium profiles. Possible glazing from 28 to 62 mm. Various opening systems are available, pneumatic and electric.





luvia

TYPICAL APPLICATIONS

Particularly suitable for applications on glazed roof constructions. Installations: shopping centres; atria, offices, etc. Special profiles can be adapted for wall curtain systems or others as opening masonry.

MATERIALS

The window structure consists of tempered aluminium. Both the outer frame and flap frame are thermally broken. The frame is sealed with EPDM rubbers.

DIMENSIONS

Depends on type of profiles. Different profiles are available.

INSTALLATION ANGLE

Almost vertical and horizontal usage (2° – 85°).

OPENING ANGLE

Depends on dimensions, weight and type of control system.

AIR, WIND, WATER TIGHTNESS

Air permeability; class 4 (600 Pa), Resistance to wind load; E 2150 (2150 Pa), Water tightness; E 1200 (1200 Pa).

THERMAL INSULATION

U-value down to $1.3 \text{ W/m}^2\text{K}$ depending on the frame/vent combination and the glass thickness. Versions with high insulation, HI and HI+, are available.

ACOUSTIC PERFORMANCE

From 39 (0;-2) dB till 42 (-1;-2) dB

GLAZING POSSIBILITIES

Possible glazing from 28 to 62 mm. Glazing beaded for standard glass. Stepped glass for a more aesthetic version. Combination of both (beaded and stepped glass). Use the stepped glass below for inclinations from 2° to 33° .

CONTROLS

Pneumatic (for smoke and day to day ventilation)
M24V DC linear electric drive (for smoke and day to day ventilation)
M24V DC chain electric drive (for smoke and day to day ventilation)
M230 V AC electric drive (for day to day ventilation)

WEIGHT

Depends on dimensions and type of glazing.

OPTIONS

Custom dimensions / Powder-coated design (any RAL colour).

REGULATIONS

The system has been tested and is certified in accordance with EN 12101-2.

GENERAL DRAWINGS | LUVIA

