

PRODUCT FEATURES

The LUVIA DUO 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 DUO has a very compact construction, high-quality and thermally broken aluminium profiles. Possible glazing from 16 to 50 mm. Various opening systems are available, pneumatic and electric.





Luvia duo

TYPICAL APPLICATIONS

Particularly suitable for applications on glazed roof constructions, such as shopping centres, offices, logistic centers, among others. 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

Installation range between 2 and 15°.

OPENING ANGLE

90°

AIR, WIND, WATER TIGHTNESS

Air permeability: class 4 (600 Pa).
Resistance to wind load: E2150 (2150 Pa).
Water tightness: E1200 (1200 Pa).

THERMAL INSULATION

U-value down to 1.3 W/m²K depending on the frame/vent combination and the glass thickness.
Versions with high insulation, HI and HI+, are available.

ACOUSTIC PERFORMANCE

From 33 dB until 43 dB, depending on the type of the flap and acoustic kit.
For special constructions, two Luvias, opening towards each other: 60 dB

GLAZING POSSIBILITIES

Possible glazing from 16 to 50 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

P2F: opening and closing systems by a double action pneumatic cylinder, with a thermal fuse (daily ventilation and smoke control).
M24V: linear electric drive (for daily ventilation and smoke control).
M24V: chain electric drive (for daily ventilation).
M230V: electric drive (for daily ventilation).

WEIGHT

Depends on dimensions and type of glazing.

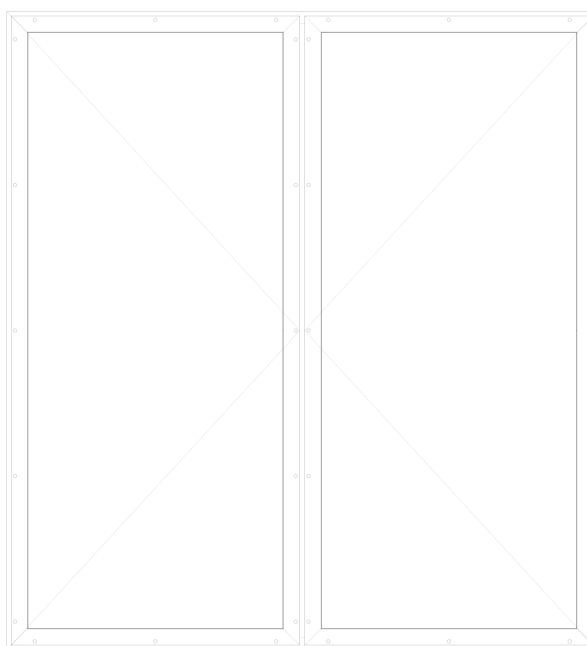
OPTIONS

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

REGULATIONS

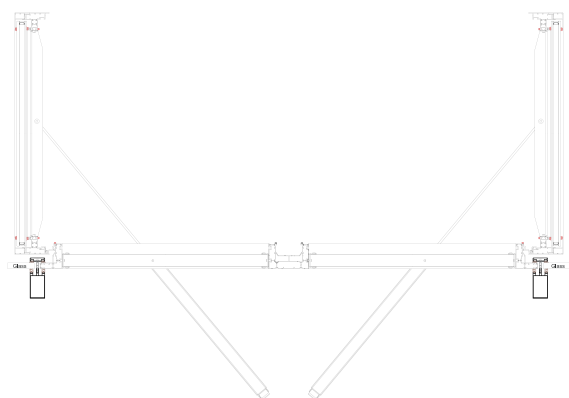
The system has been tested and is certified in accordance with EN 12101-2.

TOP VIEW



FRONT VIEW

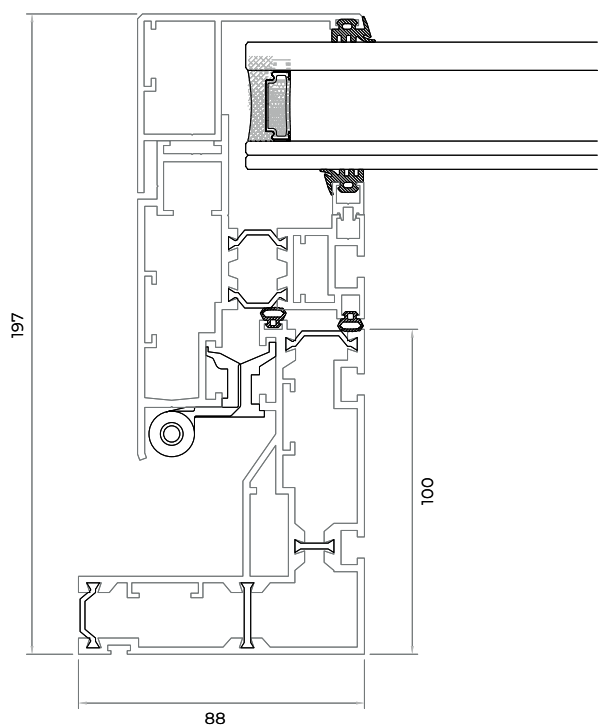




SIDE VIEW OPEN



SIDE VIEW



DETAIL