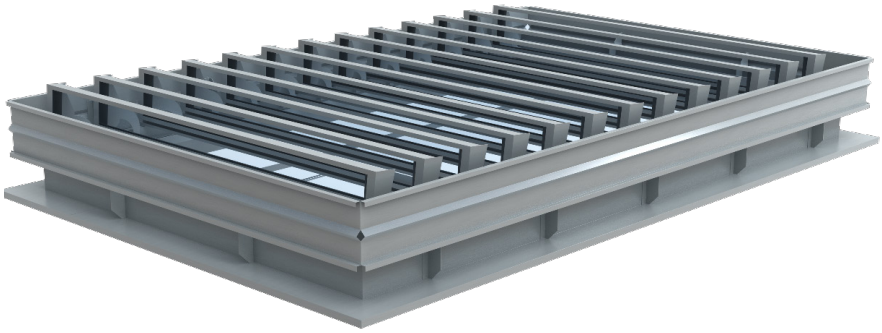
Light + Air

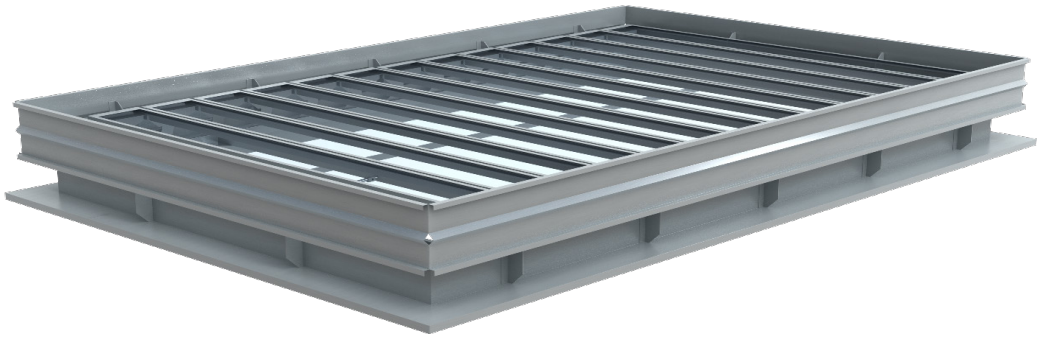
International

Eura

Natural louvred ventilator

EN 12101-2 certified natural louvred ventilator available in a wide range of sizes, louvre and control options suitable for both roof and façade applications.





Daylighting solutions
Natural ventilation solutions
Smoke management solutions
Service & maintenance

Colt a Kingspan company

Kingspan Light+Air | International

Eura

EN 1873+A1:2016
EN 12101-2:2003

Description

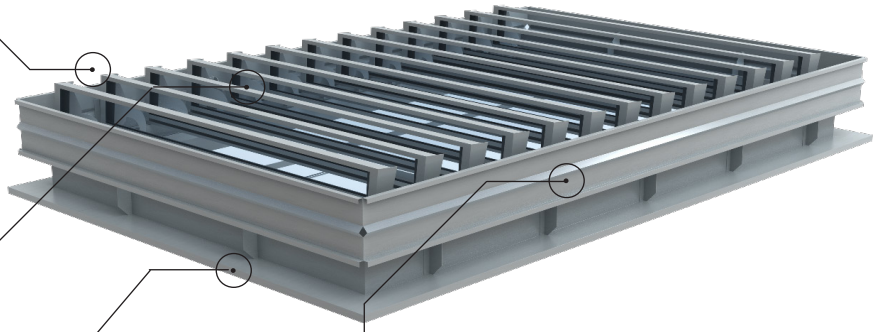
EN 12101-2 certified natural louvred ventilator available in a wide range of sizes, louvre and control options suitable for both roof and façade applications.

Product features

High performance
Aerodynamically efficient and has a high resistance to weather influences

Flexibility
Has a wide range of base profiles to suit all sheeting, curb or glazing applications.

Easy to install
Delivered fully assembled to site and can be installed at any angle from horizontal (0°) to façade (90°).



Custom finishes available
Can be delivered mill finished or powder-coated (RAL colours).

Wide range of dimensions
Width: from 300 mm to 2440 mm (in mm increments)
Length: from 720 mm to 3840 mm (different types)

Variety of louvre options
Available with aluminum, polycarbonate and glass louvres.

Product overview

The Eura is a natural louvred ventilator, which is available in a wide variety of sizes, louvre types and controls. The Eura is suitable for use in commercial, industrial and municipal premises, and it can provide:
Day-to-day ventilation (fresh air and/or exhaust air)
Automatic smoke ventilation (thermal override release mechanism)
Daylight (polycarbonate of glass louvres)
Energy saving (assisted by the fitting of foam seals and rubber seals)

In the emergency situations of a fire, the louvres automatically open via a thermal release mechanism, allowing smoke to escape efficiently.
The system may be equipped with a rain detection control system which, while the ventilator is in day to day ventilation mode, closes the louvres automatically during rainfall.
The product is tested and certified in accordance with EN 12101-2 and has a CE marking.

Materials

The Eura is manufactured from high-quality corrosion resistant aluminum alloy grade EN AW 5754 and EN AW 6060. All moving components, including the bearing points, are designed to withstand corrosion for long-term durability.

Depending on the application, various louvre versions are available. In addition the Eura can be manufactured with an insulated base.

The use of a weather-resistant sealing strip on the base and EPDM rubber weather seals on sandwich, polycarbonate and glass louvres minimizes the loss of warm air when the louvres are closed.

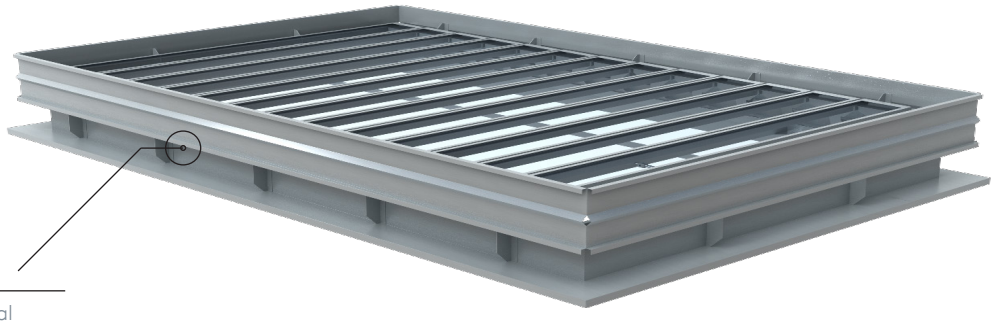
Performances

Performances in accordance with EN 12101-2 :

- Wind load class: 1500 N/m² up to 3000 N/m²
- Snow load class: Variable, up to 3000 N/m²
- Operating temperature: T(00) / T(-15)*
- Resistance to heat: B300 – E or Bs1,d0
- Reliability:
  Smoke ventilation: 300 - 1000 cycles
  Day-to-day ventilation: +10 000 cycles

Thermal Performance:
Up to 1.84 W/m²K for insulated ventilators*

Acoustic Performance:
Up to 15.0 dB



Multifunctional use

Suitable for daily natural ventilation and smoke/heat exhaust in both roof and façade applications.

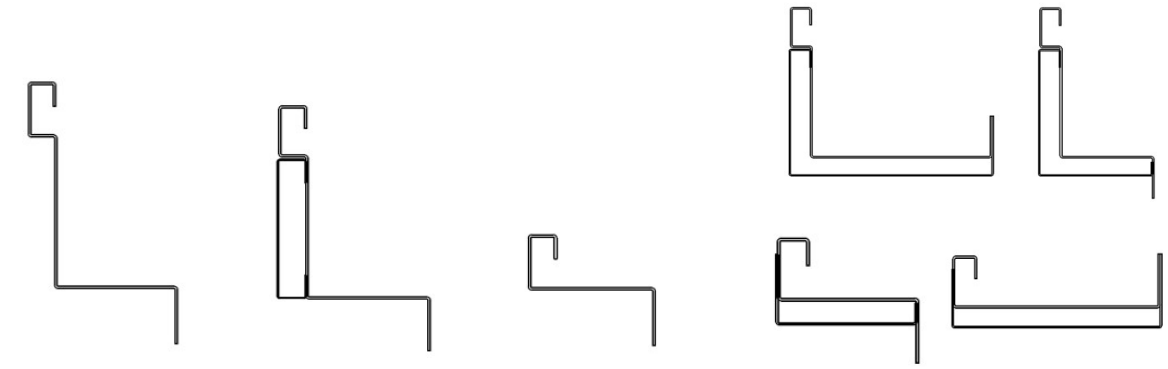
**Subject to size, configuration and installation type. Please consult with our sales team for specific calculations.*

Options

Base options

The Eura is available in different base types for various installation situations. With the high base option, the controls do not protrude under the flanges which does allow for a more flexible installlation. The various base configurations can also be insulated.

- High base
- Insulated high base
- Low base



High base | Insulated high base | Low base

Louvre types

The Eura can be produced with louvre types for various applications. The louvres can allow for daylight entry (polycarbonate / glass) and have various thicknesses to meet the required insulation values for each application.



Uninsulated
Ug 5.8 W/m²K

Uninsulated 30 mm
Ug 1.2 W/m²K

Polycarbonate 8,16,25mm
8 mm, Ug 2.7 W/m²K
16 mm, Ug 1.8 W/m²K
25 mm, Ug 1.51 W/m²K

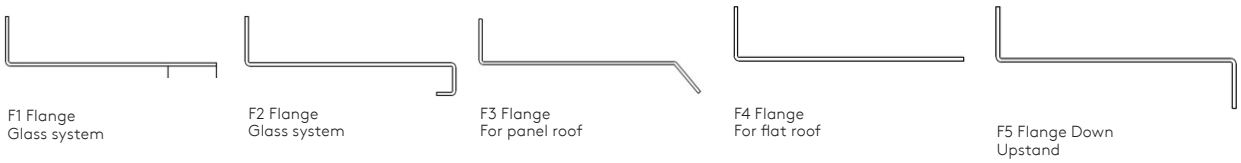
Single glass 3.3.2. (6.8mm)
Ug 5.2 W/m²K

Double glass (23.8mm)
Ug 1.1 W/m²K

Sandwich panel 16,25 mm
16 mm, Ug 2.57 W/m²K
25 mm, Ug 1.57 W/m²K

Flange options

The Eura is available with different flange types for various installation situations. The flange topions allow for installation on an upstand, corrugated roof, glazing sustem or in the façade.



F1 Flange
Glass system

F2 Flange
Glass system

F3 Flange
For panel roof

F4 Flange
For flat roof

F5 Flange Down
Upstand



F6 Flange
Upstand connection

F7 Flange
Connection to system

F8 Flange
Coupling of multiple units or other structures

Controls

The Eura can be equipped with different control types for various applications.

- 24 V or 230 V actuators
- Pneumatic cylinders
- Combination of electric and pneumatic controls

Technical information

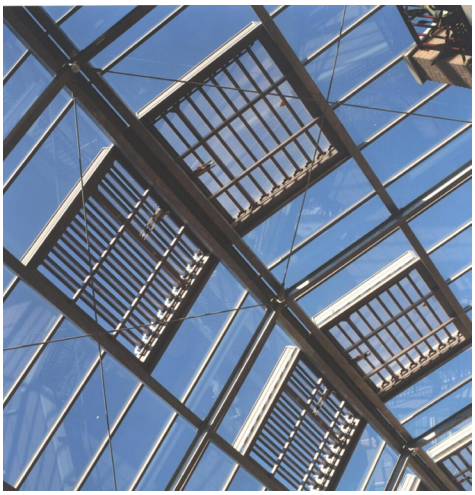
The Eura can be configured in various dimensions to ensure a proper fit into the building.
The dimensions can be found in the table.

- Width : from 300 mm to 2440 mm (in mm increments)
- Length : from 720 mm to 3840 mm (different types)

Type LB/IHB	Width, Largeur, Breite, Ancho (A)	Number of louvres, Nombre de lâmes, Anzahl Lamellen, Número de lamas														
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		Length, Longueur, Länge, Largo (B)														
030	300	720	940	1160	1380	1600	1820	2040	2260	2480	2700	2920	3140	3360	3580	3800
060	600															
120	1200															
180	1800															
240	2400															

Type HB	Width, Largeur, Breite, Ancho (C)	Number of louvres, Nombre de lâmes, Anzahl Lamellen, Número de lamas														
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		Length, Longueur, Länge, Largo (D)														
030	340	760	980	1200	1420	1640	1860	2080	2300	2520	2740	2960	3180	3400	3620	3840
060	640															
120	1240															
180	1840															
240	2440															

Project imagery











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