

The Curvent Fire-X Lumina is a slope mounted smoke and heat exhaust ventilator with translucent blades. The Fire-X Lumina combines natural resources such as natural light and natural day to day ventilation with life safety. The patented translucent blades refracts ultra violet light to limit heat build-up and add natural light into the building. In combination with Curvent Pinnacle Roof Turbine ventilators it provides optimal usage of eco-friendly natural resources and effective natural ventilation with no operating cost. The ventilators primary function remains a smoke and heat exhaust ventilator. In the event of fire, the spring loaded louvred blades open automatically to allow hot gasses to exhaust. This will aid in the buildings structural integrity against building collapse. The smokeless layer of fresh air created at lower level creates a safe evacuation passage for people and assist in fire fighting disciplines. The Fire-X Lumina is a custom-built ventilator to suit most steel structures, roof profile and specific design requirements.

Product Materials Finishes:

- Galvanised
- Stainless Steel
- Aluminum
- Powder Paint
- Zincalume
- Chromadeck

Optional Accessories

- Burglar Guards Roof Closures
- Pneumatic Operation
- Dust Seals
- Rain Detectors Bird Guards

Product Features

- Fire & Natural Day-to-Day Ventilation
- Standard Fusible Link Operation
- Large Ventilation Capabilities
- 1 Year Product Guarantee
- Low Profile Construction
- Extremely Cost-Effective
- Suit Most Roof Profiles Minimal Maintenance
- Robust Construction
- Superior Aesthetics
- Translucent Blades



The Fire-X Lumina and Fire-X Lumina Pinnacle range of ventilators is custom-built to suit the desired ventilation needs. The ventilator is designed to accommodate the roof and steel structures it is to be installed onto. It is not practical to include all the products technical information in this technical data sheet as each ventilator design is unique. A company representative must be consulted at all times to assist with the products design parameters. For the purpose of compiling this technical data only the fire ventilation measurements is noted.

Louvred Ventilator Model Type	1620B-L	1620B-LP	1620C-L	1620C-LP
Geometric Throat Area (Av)	1.57m²	1.57m²	2.37m²	2.37m²
Coefficient of Discharge (Cv)	0.66	0.66	0.66	0.66
Aerodynamic Free Area (AvCv)	1.04m²	1.04m²	1.56m²	1.56m²
Aggregate Throat Dimensions (AxB) in mm	1125W x 1395L	1125W x 1395L	1510W x 1570L	1510W x 1570L
Number of Blades	5	5	6	6

SPECIFICATION PROCEDURE:

- 1) Select the Model in accordance with the ventilation requirements and roof purlin spacing
- 2) Select the ventilator material type (i.e. Aluminium, Chromadek or Galvanised)
- 3) Select the fusible link activation temperature (Normally 72°C)
- 4) Select a secondary opening system if required (Normally 24V DC Electromechanical)
- 5) Select any accessories required (Dust Seals, Burglar Bars, Rain Detectors etc.)

EXAMPLE:

A specification for 15.7m² Geometric Area (Av) fire ventilation required with 1400mm roof purlin spacing available at the apex of the roof, manufactured in Chromadek material, colour Fish Eagle White, electromechanically operated, with dust seals and burglar bars the would be:

CALCULATION

Ventilation required ÷ Geometric Area (Av)15.7m² ÷ 1.57m² (Av of the Fire-x 1620B-L)

= 10 x Curvent Fire-X type 1620C Ventilators

SPECIFICATION DESCRIPTION:

10x Curvent Fire-X type 1620B-L Lumina slope mounted natural smoke & heat exhaust ventilators with translucent blades, Chromadek material, colour Fish Eagle White, with fusible links to activate at 72°C, complete with 24V DC electromechanical operating system, dust seals and burglar bars, installed in accordance with the manufacturers detailed installation specifications:

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