

FIRE-X LUMINA

TRANSLUCENT SMOKE & HEAT EXHAUST VENTILATOR

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 refract ultra violet light to limit heat build-up and add natural light into the building.

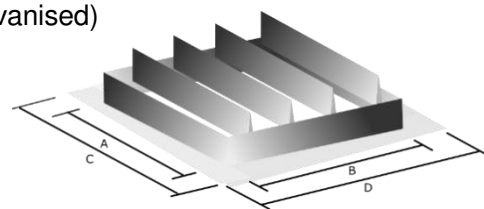
The ventilators primary function remains a smoke and heat exhaust ventilator. In the event of fire, the spring loaded louvred blades open automatically to allow hot gasses to exhaust. This will aid in the building's structural integrity against building collapse. The smokeless layer of fresh air created at lower level creates a safe evacuation passage for people and assist in firefighting disciplines. The Fire X Lumina is a custom-built ventilator to suit most steel structures, roof profile and specific design requirements.

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 always be consulted to assist with the products design parameters. For the purpose of compiling this technical data only the fire ventilation measurements are noted.

Louvre Ventilated Model Type	1620B-L	1620B-LP	1620C-L	1620C-LP
Geometric Throat Area (Av)	1.57m ²	1.57m ²	2.37m ²	2.37m ²
Coefficient of Discharge (Cv)	0.66	0.66	0.66	0.66
Aerodynamic Free Area (AvCv)	1.04m ²	1.04m ²	1.56m ²	1.56m ²
Aggregate Throat Dimensions (AxB) in mm	1125W x 1395L	1125W x 1395L	1510W 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 93°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 calculations 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 93°C, complete with 24V DC electromechanical operating system, dust seals and burglar bars, installed in accordance with the manufacturers detailed installation specifications.



Translucent Blades

Optional Accessories

Pinnacle Roof Turbines
 Burglar Guards
 Roof Closures
 Dust Seals
 Electromechanical Operation
 Rain Detectors
 Bird Guards

Product Material Finishes

Galvanised
 Aluminium
 Powder Coating
 Zincalume
 Stainless Steel
 Chromadek

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