771-VENTILA LED
Industrial dust and waterproof luminaires with LED modules

771-Ventila LED is available in the following sizes: 1x600mm, 1x1200mm, 1x1500mm, 2x600mm, 2x1200mm, 2x1500mm

YOUR MAIN BENEFITS:
A professional solution especially for outdoor applications. 771-Ventila LED withstands the impact of adverse weather conditions (sunlight, rain, wind etc.). Ta = -20 to +35°C
Full range available in IP65 or IP66.

FIELD OF APPLICATION:
Due to the construction principles of gasket, closing system and diffuser our fixtures ensure a high grade of protection (IP65, IP66) against dust, contamination and water permeation. In accordance with their IP grade they can be used widely to illuminate areas with dusty and humid environment.

Thanks to its enhanced weather resistance, 771-Ventila LED is especially suitable for applications, where error-free functioning in outdoor conditions is desired.

TECHNICAL DESCRIPTION AND BENEFITS:

- **Housing:** It is made of flame retardant glass fibre reinforced polyester (on request suitable for 850°C glow wire test too), in light grey (RAL7035) colour. This material has very good temperature resistance, mechanical stability, furthermore it is a good electrical insulator, it resists the impacts of several chemicals and the impacts of weather conditions. Its stability of size and shape at changing temperatures is excellent.

- The **diffuser** is available in injection moulded opal acrylic (PMMA) with extremely high light permeability and well-balanced light dispersing.
  Main advantages: weather resistance and extremely high light efficiency.

- The diffusers are designed with respect to their optical characteristics and are UV resistant.

- In order to ensure maximum heat, chemical and weather resistance even under tough conditions, the gasket between the diffuser and housing is made of silicon-based foam with enhanced durability.

- **Fixing of the diffuser to the body:** with highly resistant stainless steel clips (standard or tamper-proof version).

- **Gear tray** (reflector): White powder coated steel sheet according to Zhaga standards or customised.

- **Electrical components:** in accordance with the requested specification suitable for LED technology, details see under technical data.
Main technical options

Our opal diffuser has an **outstanding light transmissivity of more than 93%**. With this great light permeability, it is an **excellent choice for luminaires equipped with LED modules**.

The gear tray is made of **white powder coated steel sheet according to Zhaga standards**. On request customisation possible.

Fixing of the diffuser to the body: With highly resistant stainless steel clips. Optionally tamper-proof clips available on request.

The opal diffusers are made of **UV stabilized opalised material**, specially developed for LED applications. This ensures among others a well-balanced light distribution and the **elimination of glare**.

The gear tray is made of **white powder coated steel sheet according to Zhaga standards**. On request customisation possible.
Ways of installing:

1. In order to withstand the outdoor weather conditions (wind, storm), we recommend to use strengthened stainless steel suspension brackets. They are easy to install onto the wall and ceiling.

2. Usual suspension brackets, suitable for installation onto the ceiling, are available on request.

Depending on customer requirements we can reach different levels of luminous flux (lumen) and high luminous efficacy (lm/Watt) of our LED luminaires. Details see attached overview.

In order to ensure maximum heat, chemical and weather resistance even under tough conditions, the gasket between the diffuser and housing is made of silicon-based foam with enhanced durability.

Comes with venting cable gland in order to prevent the build-up of moisture inside the luminaire thus avoiding its damage.
### Technical data (extract)

<table>
<thead>
<tr>
<th>Type</th>
<th>Power (W)</th>
<th>Warranty (years)</th>
<th>Luminare total luminous flux emitted (lm)</th>
<th>Lum. efficacy (lm/W)</th>
<th>Correlated colour temp (Kelvin)</th>
<th>CRI</th>
<th>Lifetime L70B50 (Ta=35 °C)</th>
<th>Lifetime L80B10 (Ta=35 °C)</th>
<th>A (mm)</th>
<th>C (mm)</th>
<th>Weight (kg)</th>
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<tbody>
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<tr>
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<td>23</td>
<td>5 years</td>
<td>2900</td>
<td>124</td>
<td>4000</td>
<td>&gt;80</td>
<td>&gt;50,000 h</td>
<td>&gt;50,000 h</td>
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<td>1.8</td>
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<td>3700</td>
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<td>&gt;80</td>
<td>&gt;50,000 h</td>
<td>&gt;50,000 h</td>
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<td>130</td>
<td>4000</td>
<td>&gt;80</td>
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<td>800</td>
<td>2</td>
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<tr>
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<td>4700</td>
<td>136</td>
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<td>&gt;40,000 h</td>
<td>1577</td>
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</table>

* The LED strips are placed in one line in a twin (wider) housing. Other colour temperatures available on request.

### Schematic drawing with main dimensions

![Schematic drawing with main dimensions](image)

### Photometric curves:

**771-Ventila LED 1x1200mm 28W Osram Basic Linear G3**

**771-Ventila LED 1x1200mm 31W Philips Fortimo LED Strip LV4**

Luminaire customisation and the options of advanced controls are presented on page 7.

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**Further options:**

- DALI
- 110V
- Kg
- LED
- On request:
  - PoE
  - K

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**Weight (kg):**
- 1.8
- 2.2
- 2.5
- 2.7
- 1.7
- 2.2
- 2.5
- 2.7
- 2.65
- 3