

771-VENTILA LED

Industrial dust- and waterproof luminaires



YOUR MAIN BENEFITS:

A professional solution especially **for outdoor applications**. 771-Ventila LED withstands the impact of adverse weather conditions (sunlight, rain, wind etc.). $T_a = -20...+35^{\circ}\text{C}$
Full range available in IP65 or IP66.



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FIELD OF APPLICATION:

Due to the construction principles of gasket, closing system and diffuser our fixtures ensure a high grade of protection (IP 65, IP 66) against dust, contamination and water permeation. In accordance with their IP grade they can be used widely to illuminate areas with dusty, 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 anti-vandal 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.

IP65



Option:

IP66



Technical options

Our new 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**.



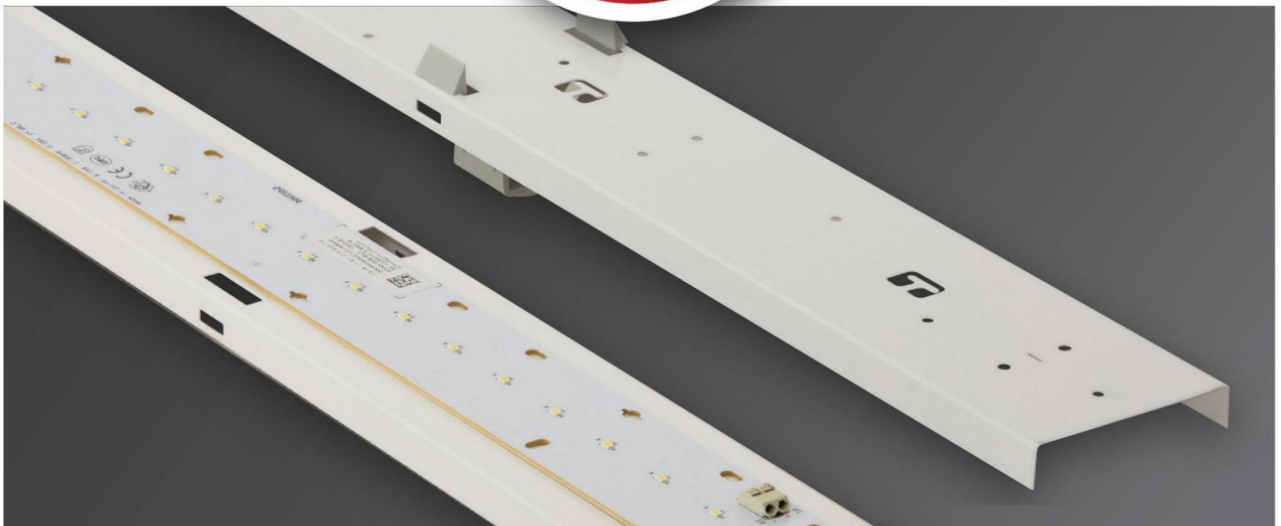
771-VENTILA LED

Unique
on the market



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

Fixing of the diffuser to the body:
With highly resistant stainless steel clips. Optionally "anti-vandal" clips available on request.



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



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.

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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.



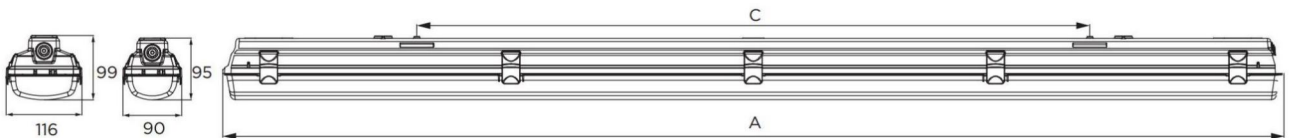
Technical Data

| Type | Power (W) | LED luminous flux (lm) | luminaire total luminous flux (lm) | luminous efficacy (lm/w) | colour temp (Kelvin) | CRI | lifetime L70B50 (Ta=35°C) |
|--------------------------------------|-----------|------------------------|------------------------------------|--------------------------|----------------------|-----|---------------------------|
| Philips Fortimo LED Strip LV3 | | | | | | | |
| 771 Vent 1x600 mm | 16 | 2200 | 1930 | 118 | 4000 | >80 | >50.000 h |
| 771 Vent 1x1200mm | 30 | 4400 | 4050 | 128 | 4000 | >80 | >50.000 h |
| 771 Vent 1x1500mm | 38 | 5550 | 5000 | 130 | 4000 | >80 | >50.000 h |
| 771 Vent 2x1500mm* | 53 | 7250 | 6600 | 125 | 4000 | >80 | >40.000 h |
| Philips Fortimo LED Line HV2 | | | | | | | |
| 771 Vent 2x1200mm* | 54 | 8000 | 7400 | 137 | 4000 | >80 | >50.000 h |
| 771 Vent 2x1500mm* | 66,5 | 10000 | 9180 | 138 | 4000 | >80 | >50.000 h |
| Osram PrevaLED Slim 3 | | | | | | | |
| 771 Vent 1x600 mm | 17,5 | 2150 | 1970 | 127 | 4000 | >80 | >50.000 h |
| 771 Vent 1x1200mm | 36 | 4250 | 3850 | 127 | 4000 | >80 | >50.000 h |
| 771 Vent 1x1500mm | 40 | 5700 | 5125 | 128 | 4000 | >80 | >50.000 h |
| 771 Vent 1x1500mm | 46 | 6400 | 5775 | 125 | 4000 | >80 | >50.000 h |
| Osram PrevaLED Value 2 | | | | | | | |
| 771 Vent 1x600 mm | 22 | 2600 | 2400 | 108 | 4000 | >80 | 50.000 h |
| 771 Vent 1x1200mm | 39 | 4800 | 4500 | 115 | 4000 | >80 | 50.000 h |
| 771 Vent 1x1500mm | 45 | 5700 | 5250 | 116 | 4000 | >80 | 50.000 h |
| 771 Vent 2x1500mm* | 52 | 6700 | 6200 | 120 | 4000 | >80 | 50.000 h |
| Philips Certaflux HV2 | | | | | | | |
| 771 Vent 1x600mm | 16 | 1650 | 1500 | 94 | 4000 | >80 | >30.000 h |
| 771 Vent 1x1200mm | 28 | 3400 | 2880 | 104 | 4000 | >80 | >30.000 h |
| 771 Vent 1x1500mm | 37 | 4130 | 3800 | 104 | 4000 | >80 | >30.000 h |

* The LED strips are placed in one line in a twin (wider) housing.

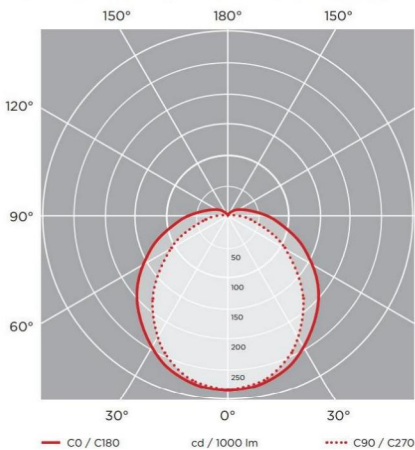
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Schematic drawing with main dimensions

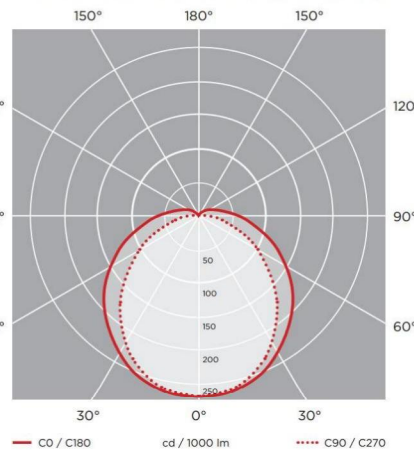


Photometric curves:

771-Ventila LED 39 W (Prevaled)



771-Ventila LED 32 W (Fortimo)



Further options:

- protection class II
- halogen-free wiring
- motion detector
- trough wiring
- Dali/CLO