771-ORIENT +50°C

Industrial dust and waterproof luminaires with LED modules

771-Orient is available in the following sizes: 1200mm, 1500mm. Available in IP65

YOUR MAIN BENEFITS:

A professional luminaire for wide usage, that fulfills the strongest quality requirements.
Especially for applications where **high heat resistance (up to Ta +50°C)** is required.

FIELD OF APPLICATION:

Thanks to the construction principles of the gasket, the closing system and the diffuser our fixtures ensure a high grade of protection (IP65) against dust, contamination and water permeation. In accordance with their IP grade they can be used widely to illuminate spaces with dusty and humid environment. Thanks to its **enhanced heat resistance**, 771-Orient is especially suitable for applications, where **error-free functioning at higher ambient temperature** is desired.

When using outdoors, the fittings should be protected against direct sunlight and adverse weather conditions.

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 (RAL 7035) colour. The glass fibre reinforced polyester has a very good temperature resistance and mechanical stability. Furthermore, it is a good electrical insulator resisting the impacts of several chemicals and weather conditions. Its stability of size and shape at changing temperatures is excellent.
- The **diffuser** is available in injection moulded **opal polycarbonate (PC)** with extremely high light permeability and well-balanced light dispersing. Main advantages: High mechanical strength and high heat and shock resistance and excellent transparency.

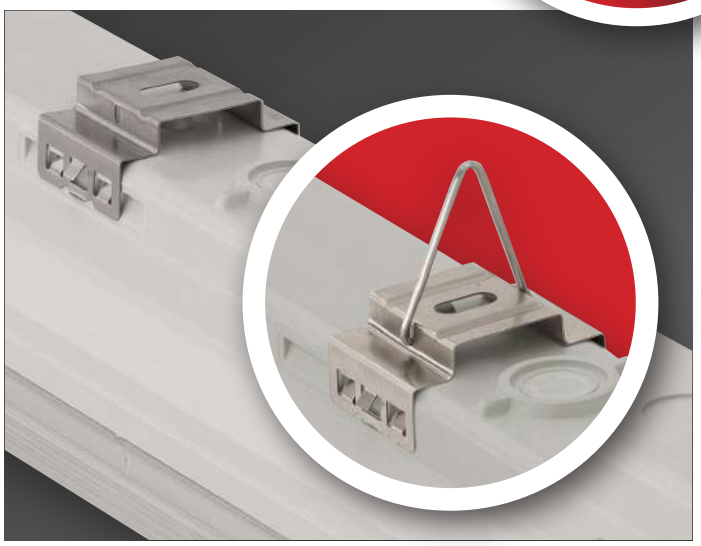
  The diffusers are designed with respect to their optical characteristics and are **UV resistant**.
- In order to ensure maximum heat, chemical and weather resistance even under tough conditions, the gasket between the diffuser and housing is made of **silicone foam** with enhanced resistance.
- **Fixing the diffuser to the body:** with highly resistant stainless steel clips
- **Gear tray** (reflector): White powder coated steel sheet according to **Zhaga** standards or customised.
- **Electrical components:** The adequate power supply is ensured with the electronic driver that is built into the luminaire.

Main technical options

Our new opal diffuser has an **outstanding light transmissivity of more than 90%**. With this great light permeability, it is an **excellent choice for luminaires equipped with LED modules**.

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**.

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



Ways of installing:

1. With stainless steel suspension brackets (easy-to-install) onto the ceiling.
2. Suspension on chains with stainless steel suspension brackets mounted with hooks.

Depending on customer requirements we can reach different levels of luminous flux (lumen) and high luminous efficacy (lm/Watt) of our LED luminaires. For more details please see technical data.

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

Option: The **Rapid Connector** enables the electrical connection **without disassembling** the luminaire, thus **avoiding** a potential damage of the LED´s inside the luminaire through **electrostatic discharge** (ESD).

In order to optimise the thermal management of the luminaire at high ambient temperatures, the driver is fixated to the gear tray with a heat sink plate. Thus heat sensitive LED components function properly up to Ta +50°C.

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

Technical data (extract)

Products with a 5-year warranty	Power (W)	Luminare total luminous flux - emitted (lm) PC	Lum. efficacy (lm/W) PC	CRI	Lifetime L70B50 (Ta=50°C)	Lifetime L80B10 (Ta=50°C)	A (mm)	B (mm)	Weight (kg)	EEI
Philips Fortimo LV6 (CCT: 4000K, on request other CCTs are available)										
771 4ft (1200mm)	25	3800	152	>80	>70.000 h	>50.000 h	1277	800	2,2	C
771 5ft (1500mm)	31	4800	154	>80	>70.000 h	>50.000 h	1577	1100	2,5	C
771 5ft (2x1500mm)*	40	6100	152	>80	>70.000 h	>50.000 h	1577	1100	2,7	C
Philips Fortimo HV6 (CCT: 4000K, on request other CCTs are available)										
771 4ft (2x1200mm)*	56	7800	141	>80	>50.000 h	>50.000 h	1277	800	2,65	C
771 5ft (2x1500mm)*	70	9900	141	>80	>50.000 h	>50.000 h	1577	1100	3	C

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

Ø 26 G 13

Ø 16 G 5

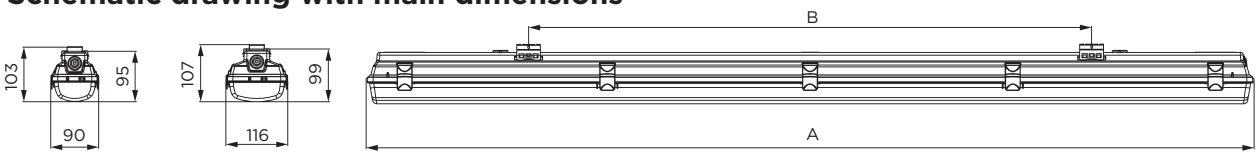
Further options:

DALI 110V Kg

On request:

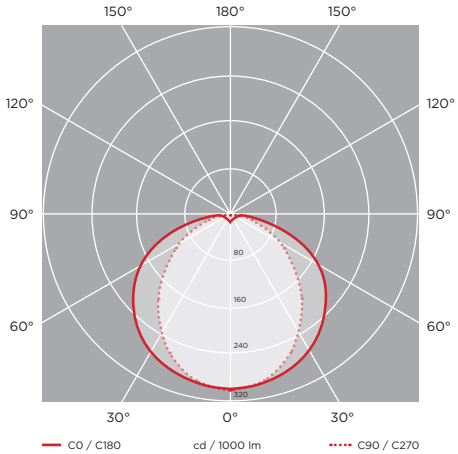
K

Schematic drawing with main dimensions

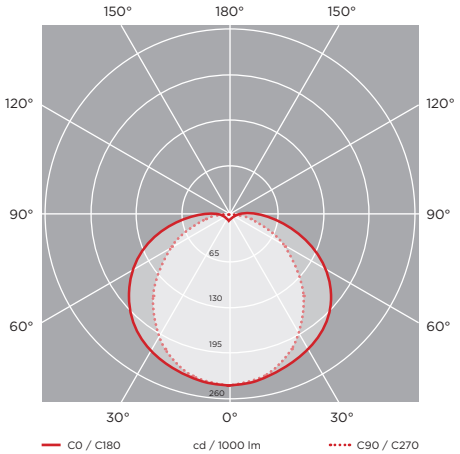


Photometric curves:

771-Orient +50°C, 4ft (1200mm), Philips Fortimo LED Strip LV6, 25W, 3800lm, PC



771-Orient +50°C, 5ft (2x1500mm)*, Philips Fortimo LED Strip HV6, 70W, 9900lm, PC



Luminaire customisation and the options of advanced controls are presented on page 5