771-EXTREME -30°C

Industrial dust and waterproof luminaires with LED modules for ambient temperature down to Ta -30 °C

With a new, opalised diffuser with unique light transmissivity! Specially developed for LED applications

YOUR MAIN BENEFITS:

The shape of 771-Favourite adapted for **extremely low (-30°C)** ambient temperatures.

FIELD OF APPLICATION:

Thanks to the construction principles of the gasket, the closing system and the diffuser our LED fixtures ensure a high grade of protection (IP65, IP66) against dust, contamination and water permeation even at extremely low ambient temperature. In accordance with their IP grade they can be widely used to illuminate spaces with dusty, humid environment down to Ta -30°C.

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.

- **Diffuser:**
  Available in PC - injection moulded **Polycarbonate**.
  Main advantages: high mechanical strength and high heat and shock resistance
  Our LED luminaires with opal diffuser offer you:
  - very good light efficiency through high light permeability, (up to 90% light transmissivity)
  - the usual, well-known features of the diffuser such as chemical and heat resistance, mechanical features, UV stabilization etc.

- In order to ensure maximum temperature, chemical and weather resistance even under tough conditions, the **gasket** between the diffuser and housing is made of **silicone** 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:** The adequate power supply is ensured with the electronic driver, that is built into the luminaire.

LED

CE

771-EXTREME -30°C

IP65

F

D

Option:

IP66

Main technical options

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 durability.

Quick installation with stainless steel suspension brackets.

Comes with venting cable gland in order to prevent the build-up of moisture inside the luminaire thus avoiding its damage.

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**.

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=-35°C)	Lifetime L80B10 (Ta=-35°C)	A (mm)	B (mm)	Weight (kg)	EEI
Philips Fortimo LED Strip HV6										
771 4ft (2x1200mm)*	56	7800	141	>80	>100.000 h	>100.000 h	1277	800	2,65	C
771 5ft (2x1500mm)*	70	9900	141	>80	>100.000 h	>100.000 h	1577	1100	3	C

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

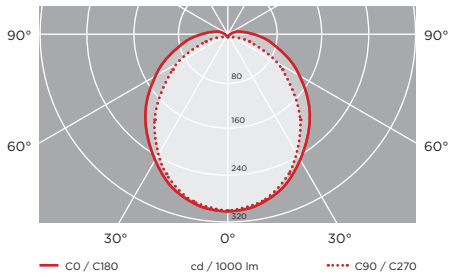
Further options:

On request:

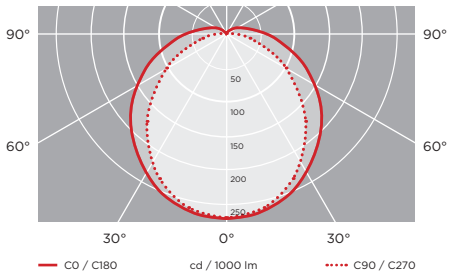
Schematic drawing with main dimensions

Photometric curves:

771-Extreme -30°C, 4ft (2x1200mm)*, Philips Fortimo LED HV6, 56W, 7800lm, PC



771-Extreme -30°C, 4ft (2x1500mm)*, Philips Fortimo LED HV6, 70W, 9900lm, PC



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