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 gasket, closing system and 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 (RAL7035) colour. Glass fibre reinforced polyester has 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:** 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.

  Available in PC - injection moulded **Polycarbonate**.
  Main advantages: high mechanical strength and high heat and shock resistance

- 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-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. For more details please see technical data.

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-based 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)

* EPREL database is available at https://eprel.ec.europa.eu/screen/product/lightsources/xxxxxxx (where the xxxxxxx have to be substituted by the reference number given in the last coloumn)

Products with 5 years warranty	Power (W)	Lum. total luminous flux emitted (lm)		Lum. efficacy (lm/W)		CCT (Kelvin)	CRI	Lifetime L70B50 (Ta=-30°C)	Lifetime L80B10 (Ta=-30°C)	A (mm)	B (mm)	Weight (kg)	EEI	Light source* (reference)
		PMMA	PC	PMMA	PC									
Philips Fortimo LED Strip HV6														
771 4ft (2x1200mm)**	55	n.a.	7 800	n.a.	141	4000	>80	>50 000 h	>50 000 h	1277	700	2,65	C	893529
771 5ft (2x1500mm)**	70	n.a.	9 900	n.a.	141	4000	>80	>50 000 h	>50 000 h	1577	1000	3	C	893525 893529

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

Other colour temperatures available on request

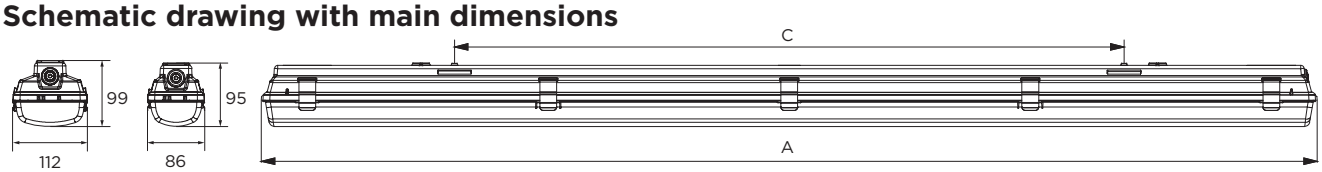
Further options:

DALI | Kg

On request:

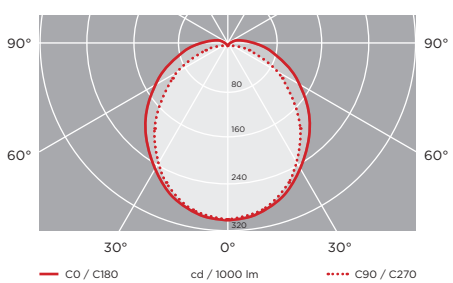
PoE | K

Schematic drawing with main dimensions

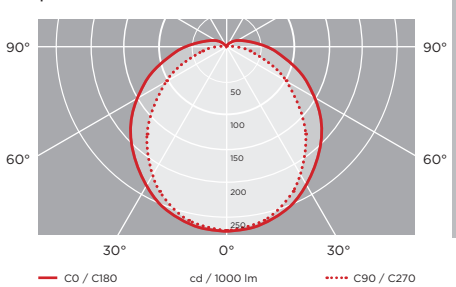


Photometric curves:

771-Extreme -30°C 2x1200mm 56W
Philips Fortimo LED PC HV5



771-Extreme -30°C 2x1500mm 73W
Philips Fortimo LED PC HV5



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

IBV HUNGÁRIA
Lighting and Plastic Processing