

771-FAVOURITE LED

Industrial dust and waterproof luminaires with LED modules

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



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 or IP67) against dust, contamination and water permeation. In accordance with their IP grade they can be widely used to illuminate spaces with dusty and humid environments.

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

TECHNICAL DESCRIPTION AND BENEFITS:

- **Diffuser:** Our LED luminaires with **opal** diffuser offer you:
 - **extremely high light efficiency** through high **light permeability, unique on the market**, (up to 93% light transmissivity)
 - an **excellent light uniformity** through **well-balanced light dispersing** (no shadows)
 - **elimination of the dazzling effect** (no glare)
 - **aesthetical appearance (no dots)** of the single LEDs)
 - **keeping 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** (high mechanical strength and high heat and shock resistance) **or in Acrylic** - injection moulded **PMMA** (unique non-aging properties, high chemical resistance).

- **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, 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 **gasket** between the diffuser and housing is made of non-aging **PU (polyurethane)** foam. In order to ensure **maximum** chemical and weather **resistance** even under tough conditions, **silicon-based gasket** with enhanced resistance is optionally available.
- **Fixing the diffuser to the body:** with highly resistant clips made of **stainless steel** (standard or anti-vandal). Polyamide clips available on request.
- **Gear tray** (reflector): White powder coated steel sheet according to **Zhaga** standards or customized.
- **Electrical components:** The adequate power supply is ensured through electronic driver, that is built into the luminaire.

LED

CE

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IP65



Option:

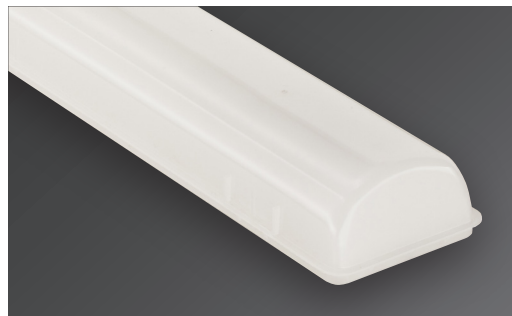
IP66

IP67



Main technical options

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



Unique
on the market



Usual stainless steel clips for **SELV** (Safety Extra Low Voltage) solutions.

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 special "anti-vandal" stainless steel clips for **non-SELV (HV)** solutions can not be released with bare hands.



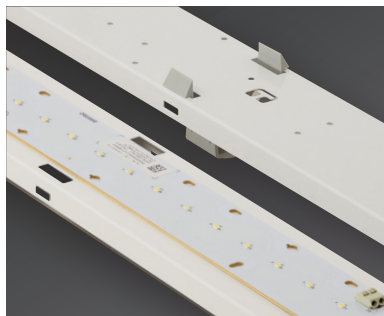
With 771-Favourite LED - depending on customer requirements - we can reach different levels of luminous flux (lumen) as well as luminous efficacy (lm/Watt). Details see attached overview.



In order to optimize the thermal management of the luminaire we avoid the direct contact of the gear tray and driver, thus increasing the lifetime of the modules and driver.

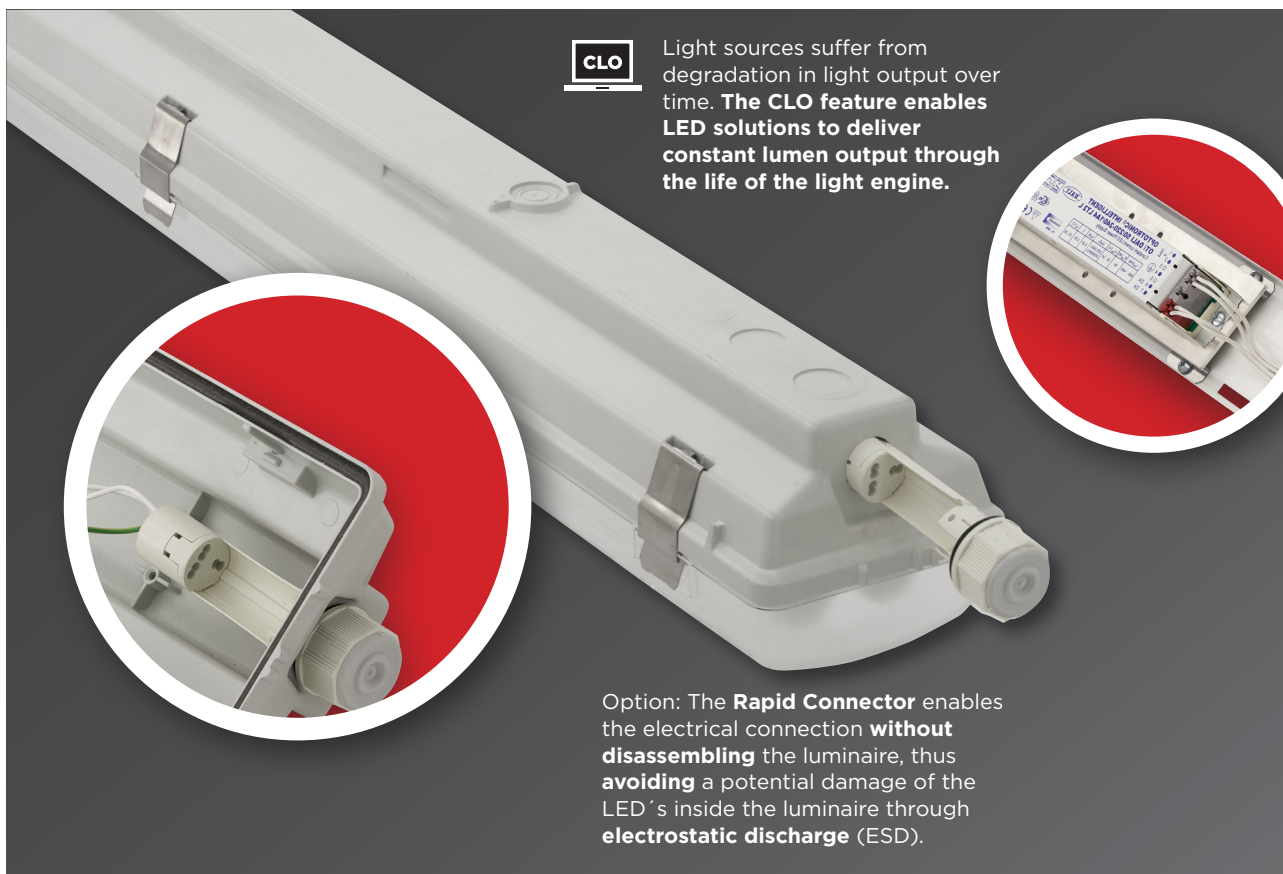


LED Version with motion sensor



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

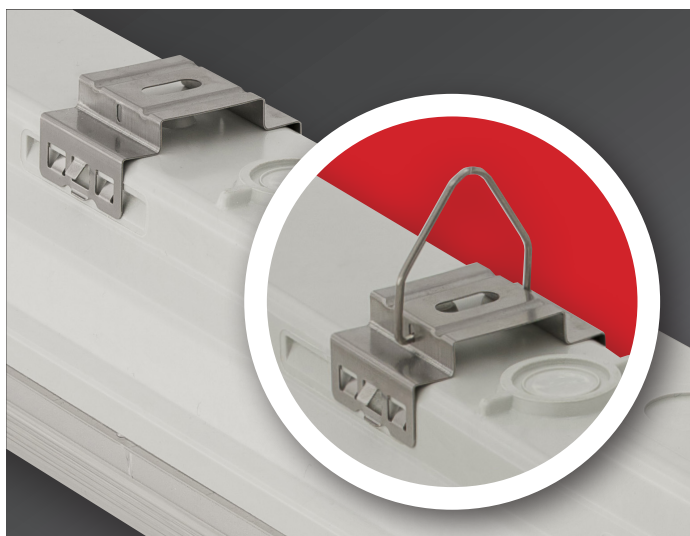
LED



Light sources suffer from degradation in light output over time. **The CLO feature enables LED solutions to deliver constant lumen output through the life of the light engine.**

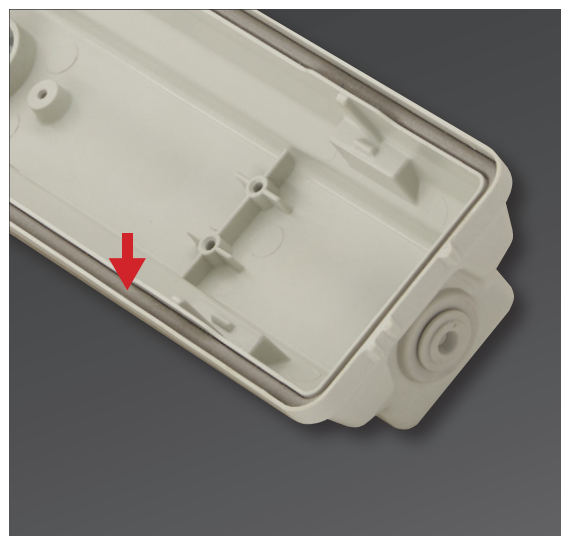
Option: The **Rapid Connector** enables the electrical connection **without disassembling** the luminaire, thus **avoiding** a potential damage of the LED's inside the luminaire through **electrostatic discharge (ESD)**.

771-FAVOURITE LED



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.



In order to ensure maximum chemical and weather resistance, silicon-based gasket with enhanced resistance is optionally available.

Technical data (extract)

Type	Power (W)	Warranty (Years)	Luminaire total luminous flux - emitted (lm)	Luminous efficacy (lm/W)	Correlated colour temp (Kelvin)	CRI	Lifetime L70B50 (Ta=35°C)	A (mm)	B (mm)	C (mm)	Weight (kg)
Philips Fortimo LED Strip LV4											
771 1x600 mm	16	5 years	1900	123	4000	>80	>70.000 h	669	460	360	1,84
771 1x1200mm	31	5 years	4000	128	4000	>80	>70.000 h	1277	800	700	2,23
771 1x1500mm	39	5 years	5000	128	4000	>80	>70.000 h	1577	1100	1000	2,6
771 2x1500mm*	52	5 years	6400	123	4000	>80	>70.000 h	1577	1100	1000	3,26
Philips Fortimo LED Strip HV4											
771 2x1200mm*	56	5 years	7900	140	4000	>80	>70.000 h	1277	800	700	2,85
771 2x1500mm*	71	5 years	9950	140	4000	>80	>70.000 h	1577	1100	1000	2,23
Osram PrevaLED Slim 4											
771 1x600 mm	13	5 years	1900	144	4000	>80	>50.000 h	669	460	360	1,73
771 1x600mm	18	5 years	2500	138	4000	>80	>50.000 h	669	460	360	1,88
771 1x1200mm	27	5 years	4000	143	4000	>80	>50.000 h	1277	800	700	2,17
771 1x1200mm	33	5 years	4600	141	4000	>80	>50.000 h	1277	800	700	2,17
771 1x1500mm	35	5 years	5200	149	4000	>80	>50.000 h	1577	1100	1000	2,5
771 1x1500mm	41	5 years	5800	142	4000	>80	>50.000 h	1577	1100	1000	2,71
771 2x1500mm*	50	5 years	6800	137	4000	>80	>50.000 h	1577	1100	1000	3,27
Osram Basic Linear											
771 1x1200 mm	24	5 years	2750	117	4000	>80	>50.000 h	1277	800	700	2,07
771 1x1200mm	31	5 years	3600	116	4000	>80	>50.000 h	1277	800	700	2,09
771 1x1500mm	29	5 years	3800	130	4000	>80	>50.000 h	1577	1100	1000	2,64
771 1x1500mm	39	5 years	4600	118	4000	>80	>50.000 h	1577	1100	1000	2,64
771 2x1200mm*	50	5 years	5550	112	4000	>80	>45.000 h	1277	800	700	2,93
771 2x1500mm*	59	5 years	6900	116	4000	>80	>45.000 h	1577	1100	1000	3,31
Philips Certaflex HV3											
771 1x1200mm	27	3 years	3150	118	4000	>80	>30.000 h	1277	800	700	2,14
771 1x1500mm	36	3 years	4050	113	4000	>80	>30.000 h	1577	1100	1000	2,47

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

Other colour temperatures available on request

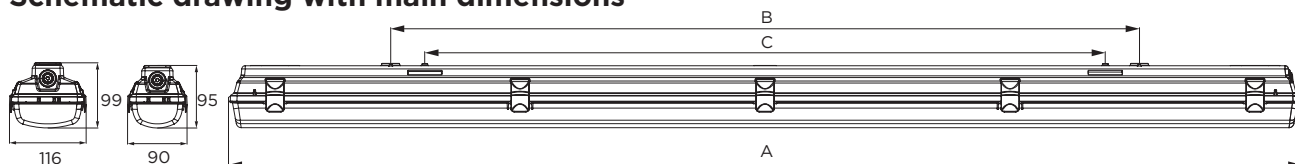
Further options:



On request:

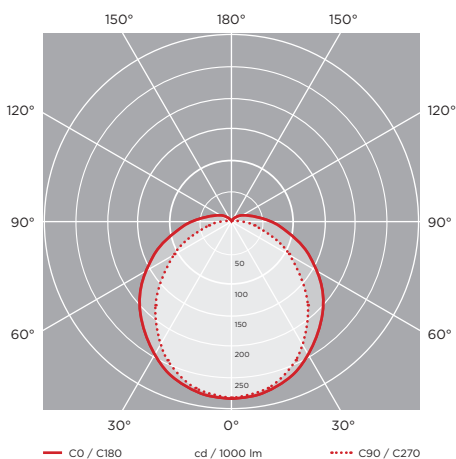


Schematic drawing with main dimensions

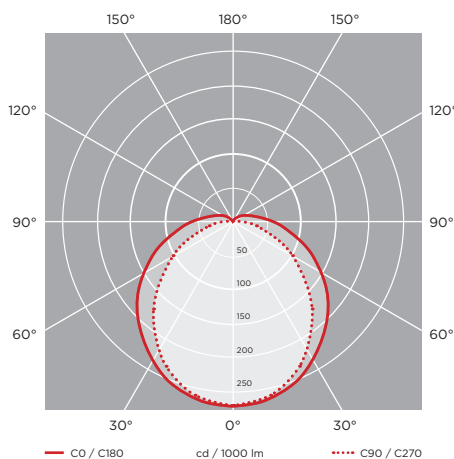


Photometric curves:

771-Favourite LED 31W (Fortimo)



771-Favourite LED 29W (Basic Linear)



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