

LED MODULE

Industrial dust- and waterproof luminaires with LED-modules

CE



IP65



Option:

IP67



Our luminaires equipped with contemporary, extremely energy efficient LED-modules are available in following series: 771-Favourite LED, 746-Clever LED, 770-Classic LED* and 744-Practical LED*.

*coming soon

Field of application:

Thanks to the construction principles of gasket, closing system and diffuser our LED fixtures ensure a high grade of protection (IP 65 or IP67) against dust, contamination and water permeation. In accordance with their IP grade they can be widely used to illuminate spaces with dusty, humid environment.

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 (RAL7035) colour resp. of polypropylene at 744-Practical LED. 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 diffuser is available in different alternatives depending on the series:

injection moulded polycarbonate (PC). Main advantages: high mechanical strength and high heat and shock resistance and excellent transparency.

injection moulded acrylic (PMMA). Main advantages: Very good transparency (better than the transparency of glass), unique non-aging properties.

Polypropylene (PP) is used at series 744-Practical.

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

-The gasket between the diffuser and housing is made of non-aging PU (Polyurethane) foam.

-Gear tray (reflector): White powder coated steel sheet.

-Electrical components: The adequate power supply is ensured through electronic driver, that is built into the luminaire.

Technical options:



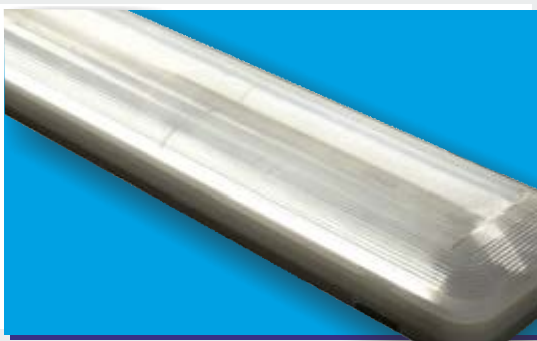
771-Favourite LED equipped with FRED[®] modules from IBV-own development. The luminous efficacy of LED-modules (lm/Watt) is better or equal to the efficacy of traditional (fluorescent) tubes.



746-Clever LED equipped with OSRAM PrevaLED. The diffusers for applications with LED modules are made of **opalized** material. This ensures a well-balanced light distribution and the **elimination of dazzling**.



770-Classic LED. A well-balanced light distribution and the elimination of dazzling is achieved through the special structure of the blown diffuser.



744-Practical LED. Unique luminaire for versatile application equipped with LED modules in IP 65 or IP 54.

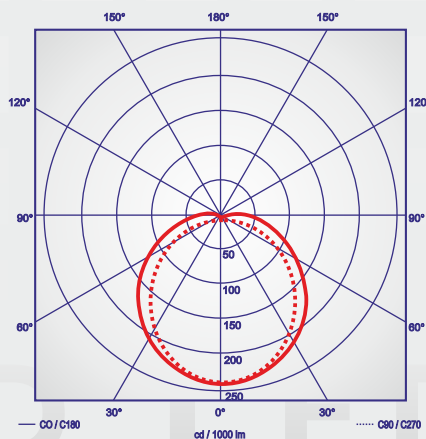
Technical Data:

Type	Power (W)	Luminaire Φ (lm) <small>results at 25 °C ambient temperature</small>	Dimensions (mm)			Weight (kg)
			A	B	C	
771-Favourite LED – versions with high efficiency LED modules (comparable to T5 HE fluorescent tubes)						
771 118 FRED*	15	1120	669	460	360	1,05
771 136 FRED	35	2240	1277	800	700	2,60
771 158 FRED	44	2800	1577	1100	1000	2,80
771 218 FRED*	30	2240	669	460	360	1,30
771 236 FRED*	60	4480	1277	800	700	2,40
771 258 FRED*	75	5600	1577	1100	1000	3,50
771-Favourite LED – versions with high output LED modules (comparable to T5 HO fluorescent tubes)						
771 118 PLED*	20	1400	669	460	360	1,00
771 136 PLED	40	2800	1277	800	700	2,00
771 158 PLED*	50	3500	1577	1100	1000	2,25
771 218 PLED*	40	2800	669	460	360	1,30
771 236 PLED*	80	5600	1277	800	700	2,35
771 258 PLED*	100	7000	1577	1100	1000	3,45

*coming soon

The technical data of the remaining versions with LED will be updated continuously in our website: www.ibv.hu

Schematic drawing with main dimensions: see on page with the corresponding basic type



Photometric curves of 746-Clever 40W (LED-module)

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