

The energy-saving FLP clean room luminaires, designed to replace conventional 2x18W and 2x36W PL lamps, ensure excellent thermal management with their single-piece cast aluminium heat sink cum housing, providing consistent, glare-free lighting that enhances worker productivity and reduces errors.



FEATURES & BENEFITS

- Higher system efficiency up to 130 lumens/Watt
- Reduces energy consumption by up to 50% versus conventional light.
- Maintain "Zero Air Gap" between MCPCB and cast aluminium modules ensures fastest heat dissipation.
- LM-80 compliant EMC package high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 50, 00 hours at L70, which requires no lamp replacement after installation
- Complies with IP 65 ingress protection rating ensuring stable and consistent performance over product life time.

PRODUCT SPECIFICATIONS

Housing :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.

Glass Frame :

Tempered protective frosted toughened glass sealed with glass frame and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Note: Clean Room Luminaires are provided with additional 10kV Built in surge protection device (SPD).

Light source:

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver:

Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 3.0 mm provided with the fixture by 2 circular slots of 12mm Ø at center distance of 265mm. Recommended mounting height with suitable in ground reinforcement is 3-5 m.

APPLICATIONS :

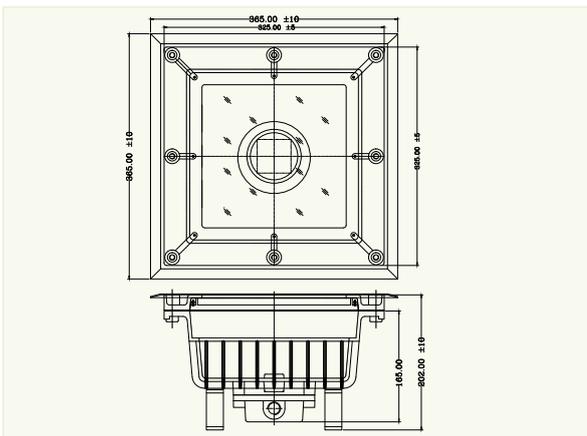
- R & D Centers
- Chemical Factories Laboratories
- Oil Rings, Refineries & Mines
- Pharma Industries

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFC 536 / 30	PLFC 536 / 42 / 100	26	30	230	0.14	3900
PLFC 536 / 50	PLFC 536 / 64 / 100	44	50	230	0.23	6100
PLFC 536 / 60	PLFC 536 / 96 / 100	52	60	230	0.27	7900

Note: Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm			Approx Weight
	L	W	H	
PLFC 536 / 30	280	280	150	5.900
PLFC 536 / 50	280	280	150	6.000
PLFC 536 / 60	550	370	175	11.000

CUT OFF SIZE

Product Code	Dimension in mm	
	L	W
PLFC 536 / 30	245	245
PLFC 536 / 50	245	245
PLFC 536 / 60	530	335