

The FLP LED Well Glass Light is designed to replace traditional well glass lamps such as 70W HPSV, 125W HPMV, and 160W MLL while consuming only 35% of the power for similar illumination. Its housing, made from cast aluminum LM-6 alloy, features a patented conical-shaped cast aluminum heat sink that ensures excellent thermal management and provides uniform 270° illumination, similar to traditional lamps. This luminaire is an ideal LED solution for hazardous environments such as oil rigs, mines, and chemical and petrochemical industries. Compared to conventional HID well glass lights, it enhances reliability and comfort while significantly reducing energy and maintenance costs.



FEATURES & BENEFITS

- Luminary efficacy reaches 140 lumens/Watt, ensures more than 65% of energy saving when compared with HID lamp.
- Specially designed heat sink for faster and effective heat dissipation.
- Patented conical shape Led Light creating outstanding illuminance in industrial lighting applications.
- LM-80 compliant 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 40,000 hours at L70, which requires no lamp replacement after installation
- IP66 level of protection against dust penetration & high pressure water jets from any direction.

PRODUCT SPECIFICATIONS

<p>Heat Sink: Specially designed patented conical shape cast aluminium heat sink ensures excellent thermal management and illuminates the area @ 270° uniformly.</p>	<p>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.</p>	<p>Mounting & Maintenance: Suspended by means of heavy duty electroplated, forged eye-bolt provided with the Fixture.</p>
<p>Housing & Finished: Epoxy powder coated finished cast aluminium housing for sturdiness & excellent corrosion resistance. Heat resists tempered glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.</p>	<p>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.</p>	<p>APPLICATIONS:</p> <ul style="list-style-type: none"> • Oil Rings & Refineries • Mines • Chemical Factories • Petrochemical Industries

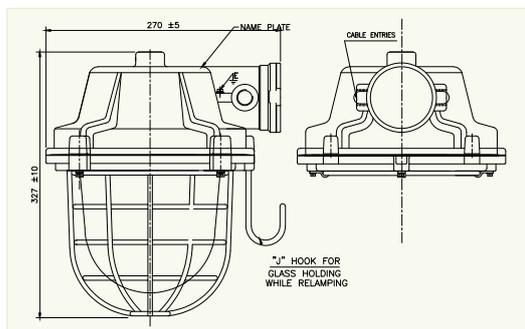
Note: FLP Well Glass Luminaires are provided with additional 10kV Built in surge protection device.

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFW 539 / 35	PLFW 539 / 48 / 100	30	35	230	0.16	4400
PLFW 539 / 50	PLFW 539 / 80 / 90	44	50	230	0.23	7200
PLFW 539 / 60	PLFW 539 / 80 / 110	52	60	230	0.27	7600

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	
PLFW 539 / 35	270	250	230	4.600
PLFW 539 / 50	270	250	330	6.400
PLFW 539 / 60	270	250	330	6.400