

FLP Emergency Lights are essential safety devices that provide reliable illumination during power failures, ensuring clear visibility in industrial spaces. They help prevent accidents, guide individuals to exits, and enhance security when the main power supply is disrupted. PARLED emergency lights incorporate advanced LED technology, offering long-lasting performance, superior energy efficiency, and dependable operation in critical situations.



**FEATURES & BENEFITS**

- IP-66 robust design with integrated led light, Battery and electronics.
- Micro controller based design enables intelligent and efficient working.
- Lithium-Ion/LiFePO4 Battery technology for long and maintenance free product life.
- Automatic on instantly during power failures.
- Li-Ion –7.4V-2.6Ah with Inbuilt BMS with Backup upto 1Hours
- BMS systems monitor temperature to prevent overheating & protect from over charging.
- Driver/Battery and other electronics compartment designed to suit top maintenance.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40, 00 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**

**Housing & Glass Frame :**

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, 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.

**Driver Compartment :**

Epoxy powder coated finished Cast aluminum housing for sturdiness & excellent corrosion resistance. Neoprene gasket is used for maintaining ingress protection.

**Light source :**

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED  $\geq 150$ lm/W with beam angle 120° for uniform distribution.

**Electronic Driver :**

Built in potted constant current multistage isolated LED DC-DC driver with Over Voltage protection, Surge Voltage protection & other safety tests as per IS standard.

**Battery :**

Li-Ion –7.4V-2.6Ah with Inbuilt BMS

**Mounting & Maintenance :**

Surface mounting using fixed MS bracket of thickness 4.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60mm. Recommended mounting height with suitable in ground reinforcement is 5-6 m.

**APPLICATIONS :**

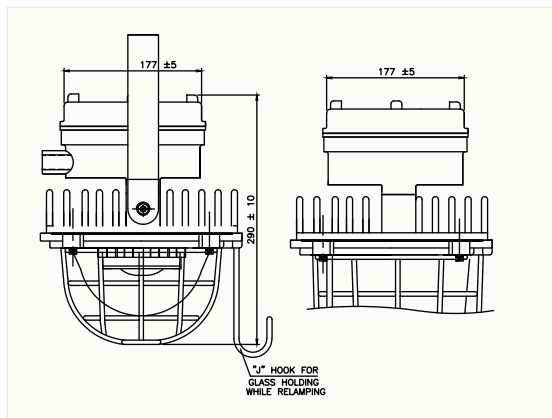
- Oil Rings & Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

**TECHNICAL DATA**

Product Code	Ordering Code	System Wattage (W)	Rated Voltage (V)	Backup time (Hrs)	Lumens
PLFE 538 / 20	PLFE 538 / 24 / 150	20	230	45-60 Minute	2700

**Note:** 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
	W	H	
PLFE 538 / 20	240 Ø	250	6.900