

The energy-saving Area Glow Floodlight is the ideal solution for a wide range of area lighting applications. It incorporates the LED light source, optical system, heat sink and driver into one robust housing and its specially designed heat sink incorporates aesthetics and excellent thermal management and resistance to the elements to ensure excellent reliability. Area Glow delivers superior performance and a longer lifetime, bringing area lighting to a whole new level.



**FEATURES & BENEFITS**

- Robust designed housing to suit the General Area Lighting.
- Reduces energy consumption by up to 55% versus conventional HID light.
- Luminary efficacy reaches 120 lumens/Watt,
- Design to ensure Better Thermal Management results in sturdy performance.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with high voltage protection, Surge protection & OC/SC/OT protection.
- Along with the additional 10kV/5kA built-in surge protection device.
- Multiple lumen packages and optics to suit most area lighting applications
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & low pressure water jets from any direction.
- Lifetime of over 40000 hours.

**PRODUCT SPECIFICATIONS**

**Housing & Glass Frame :**

Epoxy powder coated finished Cast aluminium alloy housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

**Optics :**

Optional High efficiency polycarbonate modular Lens plate of (30°/60°) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

**Note:** Area glow Luminaries are provided with additional 10kV built in surge protection device.

**Light source :**

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED  $\geq 140$  lm/W and viewing angle of 120° to ensure better uniformity.

**Electronic Driver :**

Built in potted constant current isolated LED driver with lower THD, PF  $\geq 0.95$ , Output Open /Short Circuit protection, Over Voltage protection, 4kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13.

**Mounting & Maintenance :**

Wall or surface mounting using adjustable MS cradle of thickness 2.0 mm provided with the fixture by 2 capsule slots of 10mm  $\varnothing$  at center distance of 90 mm.

**APPLICATIONS :**

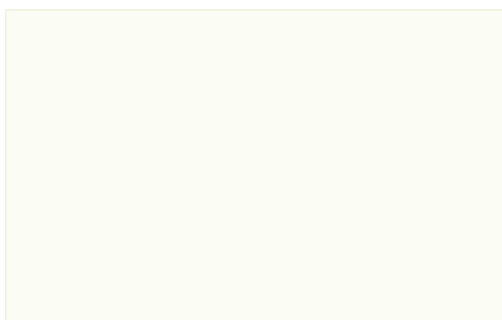
- Parking lots
- Hording & Facades Lighting
- Factories & Warehouse
- Industries perimeter lighting
- General Area Lighting

**TECHNICAL DATA**

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 518 / 36	PLFL 518 / 36 / 150	31	36	230	0.16	4450
PLFL 518 / 50	PLFL 518 / 60 / 125	44	50	230	0.23	6350
PLFL 518 / 72	PLFL 518 / 90 / 125	63	72	230	0.33	9500
PLFL 518 / 100	PLFL 518 / 120 / 125	87	100	230	0.46	12650
PLFL 518 / 120	PLFL 518 / 144 / 125	104	120	230	0.55	15200
PLFL 518 / 150	PLFL 518 / 180 / 125	131	150	230	0.69	19000
PLFL 518 / 200	PLFL 518 / 240 / 125	174	200	230	0.92	25300

**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	
PLFL 518 / 36	200	180	50	1.000
PLFL 518 / 50	200	215	50	1.135
PLFL 518 / 72	200	215	50	1.300
PLFL 518 / 100	235	260	50	1.770
PLFL 518 / 120	235	260	50	1.770
PLFL 518 / 150	275	290	60	2.500
PLFL 518 / 200	320	320	60	3.490