

New generation environment friendly Area Shine is an energy efficient range of floodlights designed for replacement of conventional technology. It's specially designed extruded aluminium heat sink incorporates aesthetics and excellent thermal management to ensure reliability and long lifetime. Area Shine offers lumen packages for many different application areas as well as its uniform light distribution bringing area lighting into a new era.



**FEATURES & BENEFITS**

- Higher system efficiency up to 135 lumens/Watt
- Reduces energy consumption by up to 55% versus conventional HID light.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency EMC package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- Along with the additional 10kV/5kA built-in surge protection device.
- Driver Compartment designed to suit top maintenance.
- Multiple lumen packages and optics to fulfil majority of lighting application needs.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP66 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life  $L_{70B_{50}}$  50000 hours

**PRODUCT SPECIFICATIONS**

**Housing & Glass Frame :**

Epoxy powder coated finished Extruded aluminium 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.

**Light source :**

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED  $\geq 160$  lm/W and viewing angle of 120° to ensure better uniformity.

**Electronic Driver :**

Built in potted constant current multistage isolated LED driver with < 10% THD, PF  $\geq 0.98$ , Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

**Mounting & Maintenance :**

Wall or surface mounting using adjustable MS cradle of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm  $\varnothing$  at center distance of 60 mm.

**APPLICATIONS :**

- Small-scale recreational sports facilities
- Industrial areas
- Parking lots
- Column & facades Lighting

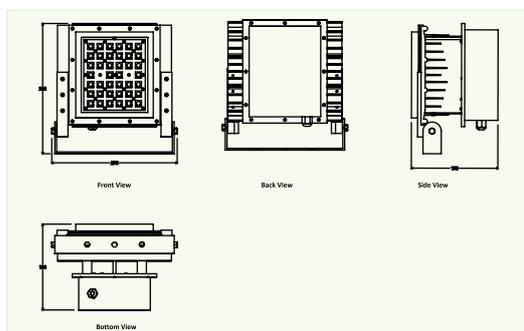
**Note:** Area shine Luminaries are provided with additional 10kV built in surge protection device.

**TECHNICAL DATA**

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 511 / 100	PLFL 511 / 96 / 150	87	100	230	0.46	13450
PLFL 511 / 150	PLFL 511 / 144 / 150	131	150	230	0.69	20150
PLFL 511 / 175	PLFL 511 / 168 / 150	152	175	230	0.80	23500
PLFL 511 / 200	PLFL 511 / 192 / 150	174	200	230	0.92	26900
PLFL 511 / 250	PLFL 511 / 240 / 150	218	250	230	1.14	33600

**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 511 / 100	215	220	160	3.600
PLFL 511 / 150	285	205	160	4.300
PLFL 511 / 180	285	265	160	5.400
PLFL 511 / 200	285	265	160	5.500
PLFL 511 / 250	285	395	160	7.200