

New generation environment friendly Road glow is an energy efficient light source for city lighting ensuring uniform & sufficient lighting on the road. Its housing made by cast aluminium alloy ensures high strength and safety on the pole, at the same time provides excellent heat dissipation. It provide vibration, dust and heat resistant capabilities to meet harsh application environments. Road glow offers versatile range for use on Secondary roads and urban road lighting.


**FEATURES & BENEFITS**

- Luminary efficacy up to 120 lumens/Watt
- Reduces energy consumption by up to 55% versus conventional HID light.
- 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.
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life  $L_{70}B_{50}$  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 is used for maintaining ingress protection.

**Optics :**

Optional High efficiency polycarbonate modular Lens plate of (120° x 60° ) to ensure asymmetrical batwing light distribution

**Note:** Road 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, 6kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13.

**Mounting & Maintenance :**

Suitable for pole mounting with bracket Arm OD of 48mm (max.)

Recommended mounting height with suitable in ground reinforcement is 7-10 m.

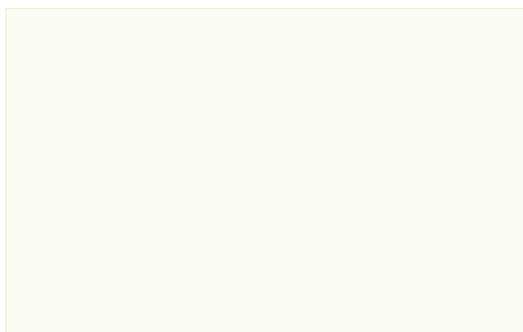
**APPLICATIONS :**

- Highways and Secondary road
- Urban lighting
- Industries perimeter lighting

**TECHNICAL DATA**

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 502 / 100	PLSL 502 / 120 / 125	87	100	230	0.46	12650
PLSL 502 / 120	PLSL 502 / 144 / 125	104	120	230	0.55	15200
PLSL 502 / 150	PLSL 502 / 180 / 125	131	150	230	0.69	19000

**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	
PLSL 502 / 100	430	200	75	2.750
PLSL 502 / 120	430	200	75	2.750
PLSL 502 / 150	530	260	80	3.900