

Road spark is an affordable LED road lighting solution that ensures sufficient light on your roads & streets. It's housing made by cast aluminium alloy ensuring excellent heat dissipation and reliable operation over committed lifetime. Its uniform light distribution enhances safety on roads and allows people to enjoy beautifully lit outdoors.


FEATURES & BENEFITS

- Aesthetically designed Robust housing to suit the urban architecture.
- Energy saving up to 55% when compared to conventional streetlights.
- Luminaire efficacy reaches 135 lumens/Watt.
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and cast aluminium modules.
- 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.
- 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 & low pressure water jets from any direction.
- Median useful life $L_{70} B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS
Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Toughened glass fixed to the housing with SS toggles. 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 Spark Luminaires are provided with additional 10kV Built in surge protection device (SPD).

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥ 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 ≥ 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 :

Suitable for pole mounting with bracket arm OD of 52mm (max.)

Recommended mounting height with suitable inground reinforcement is 5-8m.

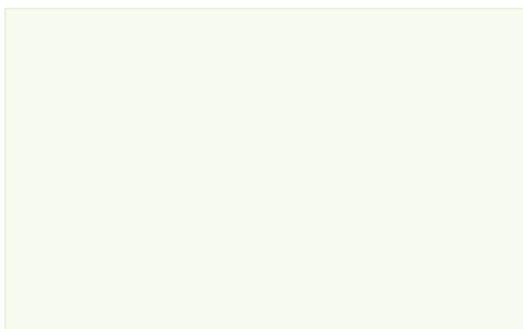
APPLICATIONS :

- Minor and Secondary road
- Urban lighting
- Residence colony perimeter lighting
- Industries perimeter lighting

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 506 / 35	PLSL 506 / 32 / 150	30	35	230	0.16	4500
PLSL 506 / 50	PLSL 506 / 48 / 150	44	50	230	0.23	6700
PLSL 506 / 70	PLSL 506 / 64 / 150	61	70	230	0.32	8950
PLSL 506 / 100	PLSL 506 / 96 / 150	87	100	230	0.46	13450

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 506 / 35	280	180	90	1.850
PLSL 506 / 50	280	235	90	2.150
PLSL 506 / 70	380	180	90	2.550
PLSL 506 / 100	380	235	90	3.150