

The aesthetics design Road Nova is an affordable LED road lighting solution for both residential and minor road applications, ensuring a smooth traffic flow and safety of the residents. Its cast aluminium housing having an excellent thermal management and resistance to the elements, makes the Road Nova ensures long lifetime, reliability and offers significant energy savings when compared with conventional lamp systems.



FEATURES & BENEFITS

- Robust designed compact housing to suit the urban architecture.
- Luminaire efficacy reaches 125 lumens/Watt, gives more than 55% of energy saving with full compliance to road lighting safety standards.
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and 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).
- High quality cool, neutral and warm white light with high colour consistency.
- 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 $L_{70} B_{50}$ 50000 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 Nova 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 ≥ 150 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :

Built in 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 33mm (max.)

Recommended mounting height with suitable inground reinforcement is 3-5 m.

APPLICATIONS :

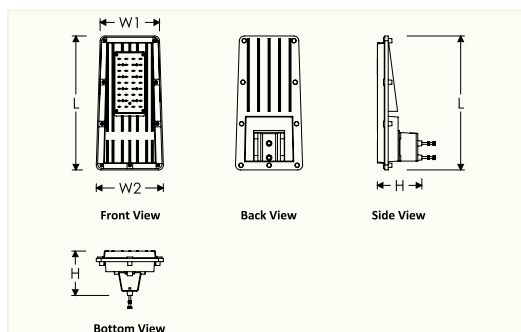
- Minor road
- Residence society road lighting
- Industries perimeter lighting
- urban lighting

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 508 / 20	PLSL 508 / 18 / 160	17	20	230	0.09	2400
PLSL 508 / 35	PLSL 508 / 32 / 150	30	35	230	0.16	4250
PLSL 508 / 40	PLSL 508 / 36 / 160	35	40	230	0.18	4800

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 508 / 20	318	180	115	2.000
PLSL 508 / 35	318	180	115	2.150
PLSL 508 / 40	318	180	115	2.100