

**Technical Specification for LED STREET LIGHT of 90 Watts**

1. Input voltage	:	90V to 270V
2. LED lamp efficacy	:	Min 100 to 150 lumens/watt
3. Power factor	:	>0.90
4. Life expecting	:	50,000 hours
5. No of hours usage / day	:	10 to 12 hours/day (Dusk to dawn)
6. Rated watt	:	90 W (cool white)
7. Luminous flux	:	8,000 to 11,000 lumens
8. Working Humidity	:	10% to 90%
9. Colour Temperature	:	4,500 to 7,000 K
10. Ingress protection	:	IP 65/IP 66 as per IS/IEC60529-2001.
11. Total harmonic distortion (THD)	:	< 15%
12. Working Temperature	:	-10°C to 60°C
13. Average lighting / beam angle	:	120 to 170 deg
14. Control Circuit	:	Compatible to LED
15. Lamp starting time	:	Not more than 5 sec
16. Energy consumption	:	Not more than 1.2 times at rated voltage
17. System power efficiency	:	> 85 %
18. Luminary Casing	:	Pressure die cast Aluminum with toughened glass cover and water proof fixture.
19. LED thermal Management	:	LED shall be mounted on heat sink conductive aluminum with fins to dissipate the heat to ambient Air.
20. LED Driver board	:	Philips, Havells, Bajaj, Crompton, Syska, Anchor.
21. Pole Entry/ Retro fitting	:	Suitable for fixing in existing lighting pole (30 mm to 60mm) dia with bracket and locking bolt & nut.
22. Applicable Standard	:	IESNA LM 79 for fixture and with stand to wind velocity 150 mph.
23. Electrical connector	:	Connecting wires with minimum one meter length.
24. Warranty	:	2 Years from the date of received at our store.

**Note:** The bidder shall submit the technical details along with technical catalogue of their quoted item in their techno-commercials offer. Without this their techno-commercial offer will be rejected.

25/02/23