

Specification

Annexure-A

FU7410299908 LED PLL LAMP (Retro fit) 230 V AC, 18 WATT, 2G11-4 Pin base size: 410X46X27 mm (approx)

Sl No.		Our Requirement
1	General Specification	Supply of LED PLL LAMP (Retro fit) 18 W +/- 5%, system efficiency of ≥ 85 lumene/watt, burning hour of 50000 Working hour at 70% efficiency of initial lumen, for working at ambient temperature range of 5 deg - 50 degree C
2	Make of Light	Philips/Havells/CGL/SYSKA/Surya/Eveready/HPL/Polycab/Bajaj/Wipro/HALONI X/ANY OTHER REPUTATED MAKE
3	LED & Optics Specification	LED PLL Lamp Rating 18 W +/- 5%
		Size: 410X46X27 mm (approx)
		CRI > 80
		Cooler Temperature 5000-6500 (+/-300K)
		LED Make Acceptable -CREE /NICHIA /BRIDGELUX / PHILIPS/ LUMILEDS / OSRAM / TOSHIBA
4	LED Driver	Potted type Driver circuitry, insulated & mounted inside the luminaire
5	Luminaire Specification	System Efficiency for full fixture ≥ 85 Lumen/watt
		IP 65 or higher
6	Power requirement	Voltage Working range from 140-277 V
		THD less than $< 10\%$
		Surge Protection 4KV
		Power factor > 0.95
		Driver Efficiency $> 90\%$
7	Warranty	Complete fixture should be covered under comprehensive on site replacement warranty for a period of 2 years from the date of acceptance of material for Maintenance of 70% lumen
8	Documentation & Compliances	The fixture should comply with the parameters as per relevant provisions of IS10322, LED driver should comply with relevant provisions of IEC61000 for Harmonics, IEC 61347, electrical safety IEC62384, performance and IEC61547 ed 2.0, 2009, CISPR-15 for EMI, LM 79 and LM80 reports need to be submitted from a NABL/UL Approved Laboratory
9		The vendor needs to submit any other safety standard certificate issued by BIS/IS/IEC/CE for fitting necessary for installation of the product in workshop at the time of supply of item

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