

LED tube light 18/20 W- technical specification for
procurement through open market

Description:

Self-ballasted LED tube light, having system wattage between 18W to 20W with available lumen output of minimum 120 lumens per watt(lm/W).

1	System wattage	18W to 20W
2	Operating voltage Range	150-270V
3	Frequency(Hz)	50Hz \pm 5%
4	Power Factor	>0.9
5	Beam Angle	Minimum 120 deg.
6	LED lamp efficacy(lm/W)	Minimum 120 lumen/watt
7	Lumen	80% up to 35000 burning hours
8	Lumen Maintenance factor	Initial lumens specified at Ta 25° in the Data of LED mfg. should not drop more than 10% at Tj 85°
9	Colour Temperature(K)	5600-6500°K
10	Operating temperature (deg C)	0°C to 45° C
11	CRI	>80
12	THD(%)	\leq 10
13	Protection	Surge Protection upto 2.5kV
14	Efficiency(%)	>90
15	Ingres Protection	IP 20 or above
16	Life expectancy	Minimum 25000Hrs
17	Warranty	60 months from the date of commissioning or 72 months from the date of supply whichever is earlier.
18	Type Testing	Valid type test certificates from Government (NABL) accredited labs for total lumens measurement, Electrical parameters measurement as per IS-16106-2012& IES LM-79-80
19	BEE Star Rating	5 star rating
20	Conformity to ISS	Availability of test report to IS 16102 part 1 and IS 16102- part II latest
21	Registration CRS	Standard mark for CRS to be marked on the LED lighting.
