

**20W, 4 FEETLED BATTEN - SP2002004201**

4 Feet LED Batten

Wattage: 20W

Lumen Output: 2000 lm

Colour Temperature: 6500K (Cool Daylight)

Voltage Rating: 1 Phase, 240V AC

Protection: IP20

Housing Material: Extruded Aluminium/Polycarbonate

Luminaire Shape: Linear

Luminaire Mounting: Surface (with snap fit clamps)

Specification sheet shall be duly filled by Bidder without fail.

S.No.	Description	BHEL's Requirement	Bidder's Response
1	System wattage	20W, 4Feet linear	
2	Operating Voltage Range	150 – 270V	
3	Frequency (Hz)	50Hz ± 5%	
4	Power Factor	> 0.9	
5	View Angle Minimum	120°	
6	LED lamp Efficiency (lm/W)	Minimum 100	
7	Lumen >1600 and 70%	Upto 50000 burning hours	
8	Colour Temperature (K)	5000 - 6500	
9	Operating temperature (deg C)	0°C to 45°C	
10	CRI	> 70	
11	Driver	Constant Current Type	
12	THD(%)	< 20	
13	Protection	Surge Protection 2.5kV or above	
14	Driver efficiency (%)	> 85%	
15	Ingres Protection	IP 20	
16	Light colour	White	
17	Life expectancy	Minimum 50000Hrs	
18	Warranty	Minimum 3Years or above	
19	Control circuit (Driver)	SMPS base active power factor corrected (APFC) constant current LED driver	
20	Type testing	Valid type test certificates from Government accredited labs for total lumens measurement, Electrical parameters measurement as per IS – 16106-2012 & IES LM -79-80	
21	Make	Preferably Philips, Bajaj, Wipro, GE, Havells, Crompton Greaves, Surya, Osram, Eveready, Syska, Moserbaer or equivalent.	