

LED Roof Lamp

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TECHNICAL SPECIFICATION FOR LED ROOF LAMP FOR BUSES		
SL.NO	DESCRIPTION	REQUIREMENT
1	Input Supply	24VDC
2	Input Supply voltage Range	16 - 32 V dc
3	Led lamp	Location should be inline
4	Dimensions for inverter Box	As per Drawing (L=600 x W=75 x H=25 mm)
5	Weight	More than 350 grams (Metal Body)
6	Insulation Resistance Test	2.0 Meg-ohm (Min) at 500Vdc
7	Starting Voltage in Vdc	16.0 Vdc (Max)
8	Current Drawn in mA	550 mA(Max)
9	LED Model	SMD High Power cool white and blue
10	Number of LED rows	3
11	Number of white LED's	138
12	Number of Blue LED's	6
13	Total number of LED's	144
14	Lens Cover	PC
15	Humming Noise Test at Voltage 20-32VDC	No Noise
16	Flickering Test at Test voltage 20-32 VDC	No Flickering
17	LIGHT on for 6 hours at 30 VDC & for 2 seconds(Min) at 36Vdc	Should function satisfactorily
18	Reverse Polarity Test	On reversing the Polarity Inverter should not get damaged
19	Electric Strength Test	When a Test voltage at 1000V AC 50Hz is applied gradually for one minute, between output terminals and the body of the inverter, there shall not be any failure.
20	Lux	As per AIS-052(Rev-1) The illumination of these lamps shall not be less than 50 lux, when measured at any seating location of the bus and at 500 mm above the seat base
21	Flamability Test	As Per Test IS: 15061-2002 or Latest
22	Emc/Emi test report	As per ARAI AIS004:part3:2009
23	Warranty	2 Years

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