

Laboratory	Test Laboratory, Goldwyn Limited, 15, Noida Special Economic Zone, Noida, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electrical Testing	Issue Date	24.04.2015
Certificate Number	T-3385	Valid Until	23.04.2017
Last Amended on	-	Page	1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	LAMPS, LUMINAIRES & ACCESSORIES			
1.	LED Lamp, LED Luminaires & Accessories Including Control Gear	Functional Test		
		Supply Current (AC)	IEC62384: 2011 Cl. 10 & IS16104: 2012 Cl. 10	0.05 A to 2.0 A
		Input Power	IEC62384: 2011 Cl. 8 & IS16104: 2012 Cl. 8	1.0 W to 500 W
		Power Factor	IEC62384: 2011 Cl. 9 & IS16104: 2012 Cl. 8	0.4 to 1.0
		Output Voltage	IEC62384: 2011 Cl. 7.2 & IS16104: 2012 Cl. 7.2	3.0 V to 400 V
		Output Current (DC)	IEC62384: 2011 Cl. 7.2 & IS16104: 2012 Cl. 7.2	50 mA to 1000 mA
		Insulation Resistance test	IEC 60598-1: 2014 Cl. 10.2, IEC 61347 Cl. 11 & IS15885:2012 Cl. 11	500 kV to 2 kV 1 to 9900 MΩ
		Electrical Strength Test at (2 U+1000) V Visual Leakage Current	IEC 60598-1: 2014, IEC 61347: 2014 Cl. 12 & IS 15885: 2012 Cl. 11	0 to 4 kV Qualitative 0 to 20 mA
		Endurance Test Switching Cycle	IEC 62384: 2011 Cl. 13.1 & IS 16104: 2012 Cl. 13.1 (b)	1 s to 60 s
	Total Harmonics	IEEE 519:2014	1 % to 50 %	

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Last Amended on - **Page** 2 of 2

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	LED Lamp, LED Luminaires & Accessories Including Control Gear	Humidity Test	IEC 60598-1:2014 IEC61347 Cl. 11 & IS 15885:2012 Cl. 11	25 % RH to 95 % RH 0 to 80 °C 1.0 W to 500 W Qualitative
		Input Power Visual		
		Temperature Cycling Shock Test	IEC 62384:2011 Cl. 13.1 & IS 16104:2012 Cl. 13.1(a)	-30 °C to 80 °C
		Thermal Test	IEC 60598-1:2014	150 °C Max

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