

Laboratory Electrical Testing Laboratory, Overdrive Electronics Pvt. Ltd., C-121, Hosiery Complex, Phase-II, Noida, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7628 **Page 1 of 2**

Validity 31.07.2018 to 30.07.2020 **Last Amended on** 03.12.2018

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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ELECTRICAL TESTING

I.	LAMPS, LUMINAIRES AND ACCESSORIES			
1.	LED Lamps	Marking	IS 16102	Qualitative
		Interchangeability	IS 16102	Qualitative
		Protection against Accidental Contact with live parts	IS 16102	40 V to 50 V AC
		Insulation Resistance and Electric Strength after Humidity Treatment	IS 16102	0.1 MΩ to 200 MΩ 0.0 to 200 mA Upto 5 kV
		Mechanical Strength Test	IS 16102	0 to 9.99 Nm
		Cap Temperature Rise	IS 16102	Ambient -199.9 °C
		Resistance to Heat (Ball Pressure Test)	IS 16102	Ambient to 150 °C 0.01 mm to 150 mm
		Resistance to Flame and Ignition (Glow Wire)	IS 16102	Ambient to 960 °C
		Fault Conditions	IS 16102	0 to 500 V
		Creepage Distances and Clearances	IS 16102	0.01 mm to 150 mm
		Dimensions	IS 16102	0 to 300 mm
		Lamp Power	IS 16102	0.5 W to 50 W
		Luminous Flux	IS 16102	10 Lm to 200 KLm
		Colour Nomenclature, variation and Rendering	IS 16102	CCT:1500 K to 25000 K CRI: 1 to 100 (x, y): 0.0001 to 1

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		Lamp Life (Lumen Maintenance, Endurance Test for Built-in Electronic Ballast)	IS 16102 IS 16102 IS 16102	1 Hrs to 50000 Hrs -70 °C to 180 °C 1 Cycles to 99999 Cycles
		Harmonics and Power Factor	IS 16102	1 to 50th Order PF:0.001 to 1
		Test for Emission (Conducted) of Radio Frequency Disturbances	IS 16102	Upto 150 dBµV, 9 kHz to 30 MHz
		Test for Emission (Radiated) of Radio Frequency Disturbances	IS 16102	Upto 100 dBµA, 9 kHz to 30 MHz