

**Laboratory** Testing Laboratory, Crompton Greaves Consumer Electricals Ltd.,  
B- 32, Road No. 18, Wagle Industrial Estate, Thane (West),  
Maharashtra

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-6351

Page 1 of 2

**Validity** 27.09.2017 to 26.09.2019

Last Amended on --

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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**PHOTOMETRY TESTING**

<b>I. LIGHT SOURCES (ELECTRIC LAMP)</b>				
1.	<b>Incandescent Lamps</b>	Wattage	Cl. No.8.1, IS 418	15W to 200W
		Luminous flux	Cl. No.8.2, IS 418	50 lm to 2500 lm
2.	<b>Tubular Fluorescent lamp (FTL, T5)</b>	Electrical, Luminous flux & Color Characteristics	Cl. No. 6.8, IS 2418 (part 1)	14W to 54W 50 lm to 50000lm 0.001 to 0.999 chromaticity coordinates (x, y)
3.	<b>Self ballasted CFL Lamps</b>	Lamp wattage	Cl. No. 9, IS 15111 (part 2)	5W to 26W
		Luminous flux	Cl. No. 10, IS 15111 (part 2)	50 lm to 50000 lm
		Color	Cl. No. 11, IS 15111 (part 2)	0.001 to 0.999 chromaticity coordinates (x, y)
		Power factor	Cl. No.16, IS 15111 (part 2)	0.1 to 0.99
4.	<b>High Pressure Sodium Vapor Lamp</b>	Wattage	Cl. No.7.4, IS 9974(Part-1)	70W to 400W
		Luminous flux	Cl. No.7.4.1, IS 9974(Part-1)	50 lm to 50000 lm
5.	<b>High Pressure Mercury Vapor Lamp</b>	Wattage	Cl. No.7.3.2, IS 9900(Part-1)	80W to 400W
		Luminous flux	Cl. No.7.4, IS 9990 (Part-1)	50 lm to 50000 lm
6.	<b>Self ballasted LED Lamp</b>	Lamp Power	Cl. No.8, IS 16102 (Part-2)	1W to 60W
		Luminous flux	Cl. No.9, IS 16102 (Part-2)	50 lm to 50000 lm

**Mandeep Kumar**  
Convenor

**N. Venkateswaran**  
Program Director

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		Color Characteristics	Cl. No.12 ,IS 16102(Part-2)	0.001 to 0.999 chromaticity coordinates (x, y) 2000K to 8000K 1 to 100 Index
		Power factor	Cl. No.15.2 of IS 16102 (Part-2)	0.1 to 0.99
<b>II.</b>	<b>LUMINARIES</b>			
<b>1.</b>	<b>Luminaries</b>	Photometry test	Cl. No.17 of IS 10322(Part-5/Sec-3) IS 13383(Part-2)	50 lm to 200000 lm
<b>2.</b>	<b>Solid State Lighting Products</b>	Luminous flux & Luminous efficacy	Cl. No.9 & 11 ,IES-LM-79-08, Cl. No.11 & 13 , IS 16106	50 lm to 200000 lm
		Luminous Intensity	Cl. No.10 , IES-LM-79-08, Cl. No.12 , IS 16106	0.1cd to 500000 cd
		Color Characteristics	Cl. No.12 ,IES-LM-79-08, Cl. No.14 , IS 16106	0.001 to 0.999 chromaticity coordinates (x, y) 2000K to 8000K 1 to 100 Index

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