Photometry Laboratory, Crompton Greaves Ltd., Lighting Division, Kanjur Marg (E), Mumbai, Maharashtra Laboratory

Accreditation Standard ISO/IEC 17025: 2005

Discipline **Photometry Testing** Issue Date 21.12.2013

Certificate Number T-2113 Valid Until 20.12.2015

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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, LUMINARIES & ACCESSORIES						
1.	Incandescent Lamp (GLS)	Luminous Flux	Cl. No. 8.2, IS 418: 2004	25000 Lumens			
2.	HPSV/ MHHPMV (Discharge Lamp)	Luminous Flux	Cl. No. 7.4 IS 9974 (Part 1): 1981 & Cl. No. 7.4 IS 9900 (Part 1): 1981	50,0000 Lumens			
3.	Tubular Florescent Lamp (FTL , T5), Self Ballasted CFL Lamp	Luminous Flux	Cl. No. 6.8 IS 2418 (Part 1): 1977 & Cl. No. 10 IS 15111 (Part 2): 2002	50,000 Lumens			
4.	Luminaries	Photometric Test	Cl. No. 13.8 IS 10322 (Part5/Sec 3) IS 13383 (Part 2): 1992	50,000 Lumens			
5.	Solid State Lighting Products	Input Power Luminous Flux Luminous Efficacy Light Intensity Color Characteristic	Cl. No. 8 to 12 IES LM-79:2008 Cl. No. 10 to 14 IS 16106: 2012	Up to 500 W Up to 50,000 lm Up to 50,0000 cd Up to 250 lm/W Up to 0.999 (Coordinates x and y) Up to 10,000K(CCT) Up to 100 (CRI)			

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
6.	Self Ballasted LED Lamps	Lamp Power Luminous Flux CentreBeam Intensity Beam angle Colour Characteristic	Cl. 8 to 12 IS 16102 (Part 2): 2012	Up to 26 W Up to 5000 lm Up to 5000 cd Up to 360° Up to 0.999 (Coordinates x and y) Upto 10000K(CCT) Up to 100 (CRI)
		Power Factor	Cl. No. 15.2 IS 16102 (Part 2): 2012	Upto 0.99(p.f.)
7.	Tungsten filament Lamp (G-25)	Wattage Luminous Flux	Cl.no. 8.1, 8.2 of IS 418: 2004	Up to 200W Up to 3000 lm
8.	Tubular Florescent Lamps	Electrical Luminous Flux and colour Characteristics	Cl. No. 6.8 IS 2418 (Part 1) : 1977	Up to 100W Up to 10,000 lm Up to 0.999(Co ordinates x,y) Up to 10,000K(CCT)
9.	Self Ballasted CFL Lamps	Lamp Wattage Luminous Flux Colour Characteristics	Cl. No.9,10 and 11 IS 15111 (Part 2): 2002 Cl. No. 10 to 14 IS 16106 :2012	Up to 26 W Up to 5000 lm Up to 0.999 (Coordinates x and y) Up to 10,000K(CCT)
		Power Factor	Cl.No.16 IS 15111 (Part 2): 2002	P.f. 0.1 to 0.999
10.	High Pressure Vapor Lamp	Electrical Characteristics Lamp Power Luminous Flux	Cl. No. 7.4 IS 9974 (Part 1): 1981	Up to 400W Up to 50000 lm.