

Laboratory **Photometry Laboratory, Century LED Limited, Srijan Industrial Logistic Park, Block A, 1st Floor, W/H 11,12,15,16, NH-6, Bombay Road, Ankurhati, Domjur, Howrah, West Bengal**

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

Certificate Number **TC-6955**

Page 1 of 2

Validity **05.03.2018 to 04.03.2020**

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
-----	----------------------------	-------------------------	---	--

PHOTOMETRY TESTING

I.	LIGHT SOURCES (ELECTRIC LAMP)			
1.	Self ballasted LED lamps for general lighting Services, LED Bulb	Lamp power	IS 16102(Part 2):2012, Cl.8 IEC 62612:2013 IS 16106:2012	0.1W to 2000W
		Luminous flux	IS 16102(Part 2):2012, Cl.9 IEC 62612:2013 IS 16106: 2012/IES LM 79	1 lm to 99999 lm (380nm to 780nm)
		Centre Beam Intensity & Beam Angle	IS 16102(Part 2):2012, Cl.10 & 11 IEC 62612:2013 IS 16106:2012/IES LM 79	10 mcd to 200 cd 0° to 360°
		Color nomenclature, Variation and Rendering	IS 16102 (Part 2):2012, Cl.12 IEC 62612:2013 IS 16106:2012/IES LM 79	2000K to 25000K (x=0.527 to 0.253) (y=0.413 to 0.252) (380nm to 780nm)
		CRI	IS 16102(Part-2):2012, Cl.12.2 IEC 62612:2013 IS 16106:2012/IES LM 79	1 to 100
II.	LUMINAIRES			
1.	Luminaires (LED Panel light (recessed and surface mount), LED Street light, LED Flood Lights, High bay lights)	Total Input Power Current Power factor	IS 16107(Part 1):2012, Cl.7 IEC 62722-1:2014 IS 16107(Part 2/Sec1):2012 IEC 62722-2-1:2014 IS 16106:2012 / IES LM 79	0.1W to 2000W 0.025 mA to 20000 mA 0.4 to 1.0
		Luminous Flux	IS 16107(Part 1):2012, Cl.8.1 IEC 62722-1:2014 IS 16107 (Part2/Sec1):2012	1 lm to 99999 lm (380nm to 780nm)

Laboratory

Photometry Laboratory, Century LED Limited, Srijan Industrial Logistic Park, Block A, 1st Floor, W/H 11,12,15,16, NH-6, Bombay Road, Ankurhati, Domjur, Howrah, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6955

Page 2 of 2

Validity 05.03.2018 to 04.03.2020

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
			IEC 62722-2-1:2014 IS 16106:2012 / IES LM 79	
		Luminous Intensity Distribution, Peak Intensity and Beam angle	IS 16107 (Part 1):2012, Cl.8.2 IEC 62722-1:2014 IS 16107 (Part2/Sec1):2012 IEC 62722-2-1:2014 IS16106:2012 / IES LM 79	1 cd to 10 ⁷ cd
		Correlated Colour Temperature	IS 16107 (Part 1):2012, Cl.9.2 IEC 62722-1:2014 IS 16107(Part 2/Sec1): 2012 IEC 62722-2-1:2014 IS 16106:2012 / IES LM 79	2000K to 25000K
		Colour Rendering Index	IS 16107 (Part 1):2012(Cl.9.3) IEC 62722-1:2014 IS 16107 (Part2/Sec1):2012 IEC 62722-2-1:2014 IS 16106:2012/IES LM 79	1 to 100
		Luminaire Efficacy	IS 16107 (Part 1): 2012, Cl.8.3 IEC 62722-1:2014 IS 16107(Part 2/Sec1):2012 IEC 62722-2-1:2014 IS 16106:2012 / IES LM 79	0.1W to 2000W 1 lm to 99999 lm (380nm to 780nm)
		Chromaticity coordinates	IS 16107 (Part 1):2012, Cl.9.1 IEC 62722-1:2014 IS 16107(Part 2/Sec1):2012 IEC 62722-2-1:2014 IS 16106:2012 / IES LM 79	2000K to 25000K (x=0.527 to 0.253) (y=0.413 to 0.252)

Nand Kumar
Convenor

N. Venkateswaran
Program Director