National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LIGHT INNOVATION LABORATORY, WIPRO ENTERPRISES PVT. LTD., PLOT NO.L-8, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7150 **Page No** 1 of 5

Validity 13/04/2021 to 12/04/2023 **Last Amended on** 07/07/2021

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Chromaticity Coordinates	IEC 62717
2	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Chromaticity Coordinates	IS 16103 (Part 2)
3	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Color rendering Index	IEC 62717
4	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Color rendering Index	IS 16103 (Part 2)
5	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Color rendering Index	IS 16103 (Part 2)
6	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Correlated Color temperature	IEC 62717
7	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Correlated Color temperature	IS 16103 (Part 2)
8	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Correlated Color temperature	IS 16103 (Part 2)
9	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Efficacy	IEC 62717
10	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Efficacy	IS 16103 (Part 2)
11	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Efficacy	IS 16103 (Part 2)
12	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Flux	IEC 62717
13	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Flux	IS 16103 (Part 2)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
14	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Intensity Distribution, Peak Intensity value	IEC 62717
15	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Intensity Distribution, Peak Intensity value	IS 16103 (Part 2)
16	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Module Power	IEC 62717
17	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Module Power	IS 16103 (Part 2)
18	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Chromaticity Coordinates	IEC 62612
19	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Chromaticity Coordinates	IEC 62612 (Amendment 1)
20	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Chromaticity Coordinates	IS 16102 (Part 2)
21	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Color rendering Index	IEC 62612
22	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Color rendering Index	IEC 62612 (Amendment 1)
23	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Color rendering Index	IS 16102 (Part 2)
24	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Correlated Color temperature	IEC 62612
25	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Correlated Color temperature	IEC 62612 (Amendment 1)
26	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Correlated Color temperature	IS 16102 (Part 2)
27	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Efficacy	IEC 62612

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
28	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Efficacy	IEC 62612 (Amendment 1)
29	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Lamp Power	IEC 62612 (Amendment 1)
30	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Lamp Power	IS 16102 (Part 2)
31	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Lamp Power	IEC 62612
32	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Luminous Flux	IEC 62612
33	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Luminous Flux	IEC 62612 (Amendment 1)
34	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Luminous Flux	IS 16102 (Part 2)
35	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 1)
36	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 2)
37	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 3)
38	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (part 5/ Sec1)
39	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Chromaticity Coordinates	IEC 62722-2-1
40	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Chromaticity Coordinates	IS 16107 (Part 2, Section 1)
41	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Chromaticity Coordinates	IS 16107 (Part 2/sec 1)
42	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Color rendering Index	IEC 62722-2-1
43	PHOTOMETRY- LUMINARIES	Luminaries (LED Luminaries)	Color rendering Index	IS 16107 (Part 2, Section 1)

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44	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Color rendering Index	IS 16107 (Part 2/sec 1)
45	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Correlated Color temperature	IEC 62722-2-1
46	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Correlated Color temperature	IS 16107 (Part 2, Section 1)
47	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Correlated Color temperature	IS 16107 (Part 2/sec 1)
48	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminaire Efficacy	IEC 62722-2-1
49	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminaire Efficacy	IS 16107 (Part 2, Section 1)
50	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminaire Efficacy	IS 16107 (Part 2/sec 1)
51	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminous Flux	IEC 62722-2-1
52	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminous Flux	IS 16107 (Part 2, Section 1)
53	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminous Flux	IS 16107 (Part 2/sec 1)
54	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminous Intensity Distribution, Peak Intensity	IEC 62722-2-1
55	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminous Intensity Distribution, Peak Intensity	IS 16107 (Part 2, Section 1)
56	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Luminous Intensity Distribution, Peak Intensity	IS 16107 (Part 2/sec 1)
57	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5, Section 1)
58	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5, Section 2)
59	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5, Section 3)
60	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5, Section 5)
61	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 1)
62	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 2)

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63	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 2)
64	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 3)
65	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part 5/ Sec 3)
66	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part5, Section5)
67	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 10322 (Part5,Section5)
68	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Photometry	IS 13383 (Part 1): 1992 (RA)
69	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Total Input Power	IEC 62722-2-1
70	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Total Input Power	IS 16107 (Part 2, Section 1)
71	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaries)	Total Input Power	IS 16107 (Part 2/sec 1)
72	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Color Characteristics- Color Rendering Index	IEX LM-79-08 Clause no. 12.0/ IS 16106 Clause no. 14.0
73	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Color Characteristics- Correlated color temperature	IES LM-79-08 Clause No. 12.0/ IS 16106 Clause no. 14.0
74	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Colour Characteristics- Chromaticity coordinates	IEX LM-79-08 Clause no. 12.0/ IS 16106 Clause no. 14.0
75	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Input Power (AC/DC), Power Factor	IEX LM-79-08 Clause no. 8.0/ IS 16106 Clause no. 10.0
76	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Luminous Efficacy	IES LM-79-08 Clause no. 11/ IS 16106 Clause no. 13.0
77	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Luminous Intensity Distribution	IES LM-79-08 Clause no. 10.0/ IS 16106 Clause no. 12.0
78	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Total Luminous Flux	IES LM-79-08 Clause No. 9.0/ IS 16106 Clause No. 11