National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HAVELLS INDIA LIMITED, PLOT NO. SP 181-189 AND 191(A), PHASE - II, RIICO INDUSTRIAL AREA, NEEMRANA, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6747 **Page No** 1 of 4

Validity 05/07/2022 to 04/07/2024 **Last Amended on** -

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	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted Lamps for General Lighting Services	Dimension	IEC 60969 Ed. 2.0 Clause 6
2	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted Lamps for General Lighting Services	Dimension	IS 15111 (Part 2), Clause 6
3	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted Lamps for General Lighting Services	Mechanical Strength	IEC 60968, Clause 9
4	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted Lamps for General Lighting Services	Mechanical Strength	IS 15111 (Part 1), Clause 10
5	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Chromaticity Coordinates (x, y)	IS 15111 part 2: clause 11
6	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Correlated Colour Temperature (CCT)	IEC 60969 Ed. 2.0 Clause6
7	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Lamp Wattage	IEC 60969 Ed. 2.0 Clause6
8	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Lamp Wattage	IS 15111 (Part 2) Clause 9
9	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Luminous Flux	IEC 60969 Ed. 2.0 Clause 6
10	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Luminous Flux	IS 15111 (Part 2) Clause 10
11	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted lamps for general lighting services	Chromaticity Coordinates (x, y)	IEC 60969 Ed. 2.0 Clause6
12	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted lamps for general lighting services	Correlated Colour Temperature (CCT)	IS 15111 part 2: Clause 11
13	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for general lighting services	Correlated Colour Temperature (CCT)	IS 16102 (Part 2), Clause 10

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14	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for general lighting services	Lamp Power	IEC 62612, Clause 8.1
15	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for general lighting services	Lamp Power	IS 16102 (Part 2), Clause 8.1
16	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for general lighting services	Luminous Flux	IEC 62612:2013+AMD1:2015+AMD 2:2018
17	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for general lighting services	Luminous Flux	IS 16102 (Part 2), Clause 9
18	PHOTOMETRY-LUMINARIES	General Purpose Luminaire	Measurement of Luminous Intensity	IS 13383 (Part 1,2,3)
19	PHOTOMETRY-LUMINARIES	General Purpose Luminaire	Photometry test	IS 10322 (Part 5/Sec 1, Sec 2, Sec 3, Sec 4, Sec 5lause 17
20	PHOTOMETRY-LUMINARIES	LED luminaires	Chromaticity Coordinates (x, y)	IEC 62722-2-1 Clause 9
21	PHOTOMETRY-LUMINARIES	LED luminaires	Chromaticity Coordinates (x, y)	IS 16107 (Part2/ Sec1) Clause 9
22	PHOTOMETRY-LUMINARIES	LED luminaires	Colour Rendering Index (CRI)	IEC 62722-2-1 Clause 9
23	PHOTOMETRY-LUMINARIES	LED luminaires	Colour Rendering Index (CRI)	IS 16107 (Part2/ Sec1) Clause 9
24	PHOTOMETRY-LUMINARIES	LED luminaires	Correlated Color Temperature (CCT)	IS 16107 (Part 2/Sec 1), Clause 9
25	PHOTOMETRY-LUMINARIES	LED Luminaires	Correlated Color Temperature(CCT)	IEC 62722-2-1, Clause 9
26	PHOTOMETRY-LUMINARIES	LED Luminaires	Input Power	IEC 62722-2-1, Clause 7
27	PHOTOMETRY-LUMINARIES	LED luminaires	Luminous efficacy	IEC 62722-2-1, Clause 8.3
28	PHOTOMETRY-LUMINARIES	LED luminaires	Luminous efficacy	IS 16107 (Part 2/Sec 1), Clause 8.3
29	PHOTOMETRY-LUMINARIES	LED luminaires	Luminous Flux	IEC 62722-2-1, Clause 8.1
30	PHOTOMETRY-LUMINARIES	LED luminaires	Luminous Flux	IS 16107 (Part 2/Sec 1), Clause 8.1

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31	PHOTOMETRY-LUMINARIES	LED luminaires	Luminous Intensity Distribution	IEC 62722-2-1, Clause 8.2
32	PHOTOMETRY-LUMINARIES	LED luminaires	Luminous Intensity Distribution	IS 16107 (Part 2/Sec 1), Clause 8.2
33	PHOTOMETRY-LUMINARIES	LED luminaires	Total input power	IS 16107 (Part 2/Sec I), Clause 7
34	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Module Power	IS 16103 (Part 2), Clause 7
35	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Chromaticity Coordinates (x, y)	IEC 62717 Clause 9
36	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Chromaticity Coordinates (x,y)	IS 16103 (Part2) Clause 9
37	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Colour Rendering Index (CRI)	IEC 62717 Clause 9
38	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Colour Rendering Index (CRI)	IS 16103 (Part2) Clause 9
39	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Corelated color temperature(CCT)	IS 16103 (Part 2), Clause 9
40	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Correlated color temperature(CCT)	IEC 62717:2014+AMD1:2015+AMD 2:2019, Clause 9
41	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Luminous efficacy	IEC 62717:2014+AMD1:2015+AMD 2:2019, Clause 8.3
42	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Luminous efficacy	IS 16103 (Part 2), Clause 8.3
43	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Luminous Flux	IEC 62717 Clause 8.1
44	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Luminous flux	IS 16103 (Part 2), Clause 8.1
45	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Luminous Intensity Distribution	IEC 62717:2014+AMD1:2015+AMD 2:2019, Clause 8.2
46	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Luminous Intensity Distribution	IS 16103 (Part 2), Clause 8.2
47	PHOTOMETRY-LUMINARIES	LED modules for general lighting	Module power	IEC 62717:2014+AMD1:2015+AMD 2:2019, Clause 7

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48	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Chromaticity Coordinates (x, y)	IES LM-79-08 Clause12
49	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Chromaticity Coordinates (x, y)	IS 16106 Clause 14
50	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Colour Rendering Index (CRI)	IES LM-79-08 Clause 12
51	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Colour Rendering Index (CRI)	IS 16106 Clause 14
52	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Corelated Color Temperature (CCT)	IES LM-79-08 Clause 12
53	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Corelated Color Temperature (CCT)	IS 16106, Clause 14
54	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Luminous efficacy	IS 16106, Clause 13
55	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Luminous efficacy	IES LM-79-08 Clause 11
56	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Luminous flux	IES LM-79-08 Clause 9
57	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Luminous flux	IS 16106, Clause 11
58	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Luminous Intensity Distribution	IES LM-79-08 Clause 10
59	PHOTOMETRY-LUMINARIES	Solid State Lighting (LED) Products	Luminous Intensity Distribution	IS 16106, Clause 12