National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LIGHTING TECHNOLOGIES-TECHNOLOGY LAB, NO.40, JIGANI INDUSTRIAL AREA, 1ST PHASE, SY .NO.592 & 124, JIGANI VILLAGE & HOBLI, ANEKAL TALUK, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/12/2022 to 15/12/2024 **Last Amended on** 28/01/2023

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- EMI / EMC TEST FACILITY	Electrical and Electronics Products	Conducted emission Test: Radio Interference/ Disturbances measurement	BS EN 55015:2013+A1:2015
2	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and Electronics Products	Conducted emission Test: Radio Interference/ Disturbances measurement	CISPR 15 Ed. 9.0 b: 2018
3	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and Electronics Products	Voltage Dips and Short Interruption Test	BS EN IEC 61000-4-11
4	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and Electronics Products	Protection against mechanical Impacts Verification: Spring Impact Hammer: (IK01, IK02,IK03, IK04, IK05) Pendulum Hammer: (IK06,IK07,IK08, IK09 & IK10)	IEC 62262:2002
5	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and Electronics Products	Salt Spray (Fog) Test /Salt mist Test	ASTM B117-19
6	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and Electronics Products	Vibration Test	BS EN 60068-2-6:2008
7	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Creepage Distance & Clearances	IS 10322 (Part 5/Sec 1) (Cl. 8):2012, RA:2017
8	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General purpose Luminaries	Endurance and Thermal Test	IS 10322 (Part 5/Sec 1) (Cl. 13):2012, RA:2017
9	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Insulation Resistance, Electric Strength	IS 10322 (Part 5/Sec 1) (Cl. 15):2012, RA:2017
10	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Resistance to Dust and Moisture (IP Test)	IS 10322 (Part 5/Sec 1) (Cl. 14):2012, RA:2017
11	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaries	Resistance to Heat	IS 16103 (Part 5/Sec 1) (Cl. 16):2012, RA:2017
12	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose luminaries	Verification of Marking	IS 10322 (Part 5/Sec 1) (Cl. 6):2012, RA:2017
13	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Creepage Distance & Clearances	IS 10322 (Part 5/Sec 5) (Cl. 8):2013+AMD1:2018

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14	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Endurance and Thermal Test	IS 10322 (Part 5/Sec 5) (Cl. 13):2013+AMD1:2018
15	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Insulation Resistance, Electric Strength	IS 10322 (Part 5/Sec 5) (Cl. 15):2013+AMD1:2018
16	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Resistance to Dust and Moisture (IP Test)	IS 10322 (Part 5/Sec 5) (Cl. 14):2013+AMD1:2018
17	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Resistance to Heat	IS 10322 (Part 5/Sec 5) (Cl. 16):2013+AMD1:2018
18	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Verification of marking	IS 10322 (Part 5/Sec 5) (Cl. 6):2013+AMD1:2018
19	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaire & LED Modules for General Lighting	Electric Strength	IS 16103 (Part 1) (Cl. 12):2012+AMD1:2014
20	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaire & LED Modules for General Lighting	Insulation resistance after moisture Resistance	IS 16103 (Part 1) (Cl. 11):2012+AMD1:2014
21	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries & LED Modules for General Lighting	Creepage Distance & Clearances	IS 16103 (Part 1) (Cl. 16):2012+AMD1:2014
22	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries & LED Modules for General Lighting	Resistance to Heat	IS 16103 (Part 1) (Cl.18):2012+AMD1: 2014
23	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chain - Particular Requirement	Creepage Distance & Clearances	IS 10322 (Part 5/Sec 7) (Cl. 8):2017
24	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chain - Particular Requirement	Endurance and Thermal Test	IS 10322 (Part 5/Sec 7) (Cl. 13):2017
25	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chain - Particular Requirement	Insulation Resistance, Electric Strength	IS 10322 (Part 5/Sec 7) (Cl. 15):2017
26	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chain - Particular Requirement	Resistance to Dust and Moisture (IP Test)	IS 10322 (Part 5/Sec 7) (Cl. 14):2017
27	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chain - Particular Requirement	Resistance to Heat	IS 10322 (Part 5/Sec 7) (Cl. 16):2017

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28	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chain - Particular Requirement	Verification of marking	IS 10322 (Part 5/Sec 7) (Cl. 6):2017
29	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable Luminaries	Creepage Distance & Clearances	IS 10322 (Part 5/Sec 4) (Cl. 7):1987+AMD1:1995
30	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable Luminaries	Endurance Test and Thermal Test	IS 10322 (Part 5/Sec 4) (Cl. 13.4):1987+AMD1:1995
31	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable Luminaries	Insulation Resistance & Electric Strength Test	IS 10322 (Part 5/Sec 4) (Cl. 13.6):1987+AMD1:1995
32	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable Luminaries	Resistance to Dust and Moisture (IP Test)	IS 10322 (Part 5/Sec 4) (Cl. 13.5):1987+AMD1:1995
33	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable Luminaries	Resistance to Heat	IS 10322 (Part 5/Sec 4) (Cl. 13.7):1987+AMD1:1995
34	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable Luminaries	Verification of marking	IS 10322 (Part 5/Sec 4) (Cl. 5,13.2):1987+AMD1:1995
35	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Creepage Distance & Clearances	IS 10322 (Part 5/Sec 2) (Cl. 8):2012+AMD1:2015
36	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Endurance and Thermal Test	IS 10322 (Part 5/Sec 2) (Cl. 13):2012+AMD1:2015
37	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Insulation Resistance, Electric Strength	IS 10322 (Part 5/Sec 2) (Cl. 15): 2012+AMD1:2015
38	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Resistance to Dust and Moisture (IP Test)	IS 10322 (Part 5/Sec 2) (Cl. 14):2012+AMD1:2015
39	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Resistance to Heat	IS 10322 (Part 5/Sec 2) (Cl. 16):2012+AMD1:2015
40	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaries	Verification of marking	IS 10322 (Part 5/Sec 2) (Cl. 6):2012+AMD1:2015
41	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & Street Light Luminaries	Creepage Distance & Clearances	IS 10322 (Part 5/Sec 3) (Cl. 8):2012+AMD1:2015

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42	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & Street Light Luminaries	Endurance and Thermal Test	IS 10322 (Part 5/Sec 3) (Cl. 13):2012+AMD1:2015
43	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & Street Light Luminaries	Insulation Resistance, Electric Strength Test	IS 10322 (Part 5/Sec 3) (Cl. 15):2012+AMD1:2015
44	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & Street Light Luminaries	Resistance to Dust and Moisture (IP Test)	IS 10322 (Part 5/Sec 3) (Cl. 14):2012+AMD1:2015
45	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & Street Light Luminaries	Resistance to Heat	IS 10322 (Part 5/Sec 3) (Cl. 16):2012+AMD1:2015
46	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & Street Light Luminaries	Verification of marking	IS 10322 (Part 5/Sec 3) (Cl. 6):2012+AMD1:2015
47	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Beam Angle	IS 16103 (Part 2) (Cl. 8.2):2012+AMD3:2018
48	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Beam angle	IS 16107 (Part 2/Sec 1) (Cl. 8.2):2012, RA:2017
49	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Chromaticity Coordinates	IS 16107 (Part 2/Sec 1) (Cl. 9):2012, RA:2017
50	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Intensity	IS 10322 (Part 5/Sec 5) (Cl. 17):2013+AMD1:2018
51	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminous Flux	IS 10322 (Part 5/Sec 1) (Cl. 17):2012, RA:2017
52	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminous Flux	IS 10322 (Part 5/Sec 2) (Cl. 17):2012+AMD1:2015
53	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminous Flux	IS 10322 (Part 5/Sec 3) (Cl. 17):2012+AMD1:2015
54	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Colour Rendering Index (CRI)	IS 16103 (Part 2) (Cl. 9):2012+AMD3:2018
55	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Correlated Colour Temperature (CCT)	IS 16107 (Part 2/Sec 1) (Cl. 9):2012, RA:2017
56	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Efficacy	IS 16103 (Part 2) (Cl. 8.3):2012+AMD3:2018
57	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Efficacy	IS 16107 (Part 2/Sec 1) (Cl. 8.3):2012, RA:2017
58	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Intensity	IS 10322 (Part 5/Sec 1) (Cl. 17):2012, RA:2017

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59	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Intensity	IS 10322 (Part 5/Sec 2) (Cl. 17):2012+AMD1:2015
60	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Intensity	IS 10322 (Part 5/Sec 3) (Cl. 17):2012+AMD1:2015
61	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Intensity Distribution, Peak intensity	IS 16103 (Part 2) (Cl. 8.2):2012+AMD3:2018
62	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminaire Intensity Distribution, Peak Intensity	IS 16107 (Part 2/Sec 1) (Cl. 8.2):2012, RA:2017
63	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminous flux	IS 10322 (Part 5/Sec 5) (Cl. 17):2013+AMD1:2018
64	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminous Flux	IS 16103 (Part 2) (Cl. 8.1):2012+AMD3:2018
65	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Luminous Flux	IS 16107 (Part 2/Sec 1) (Cl. 8.1):2012, RA:2017
66	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Total Input Power	IS 16103 (Part 2) (Cl. 7):2012+AMD3:2018
67	PHOTOMETRY-LUMINARIES	Luminaire (LED Luminaire)	Total Input Power	IS 16107 (Part 2/Sec 1) (Cl. 7):2012, RA:2017