National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TEST LABORATORY, GOLDWYN LIMITED, C-60, 2ND FLOOR, SECTOR-57, DISTRICT-GAUTAM BUDDHA NAGAR, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Electrical Strength	IEC 61347-2-13/AMD 1 (Clause 12), IS 15885 (Clause 12)
2	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Endurance (Switching Cycle)	"Withdrawn" IEC 62384 + AMD 1 CSV (Clause 13.1), IS 16104 (Clause 13.1)
3	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Endurance test (Temperature Cycle shock test)	"Withdrawn" IEC 62384+ AMD 1 CSV (Clause 13.1), IS 16104 (Clause 13.1)
4	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Input Power	"Withdrawn" IEC 62384 + AMD 1 CSV (Clause 8), IS 16104 (Clause 8)
5	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Insulation resistance	IEC 61347-2-13/AMD 1 (Clause 11), IS 15885 (Clause 12)
6	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Moisture Resistance and Insulation	IEC 61347-2-13/AMD 1 (Clause 11), IS 15885 (Clause 11)
7	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Output Current	"Withdrawn" IEC 62384+AMD 1 CSV (Clause 7.2), IS 16104 (Clause 7.2)
8	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Output Voltage	"Withdrawn" IEC 62384+AMD 1 CSV (Clause 7.2), IS 16104 (Clause 7.2)
9	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Power Factor	"Withdrawn" IEC 62384 + AMD 1 CSV (Clause 9), IS 16104 (Clause 9)
10	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Supply Current	"Withdrawn" IEC 62384 + AMD 1 CSV (Clause 10), IS 16104 (Clause 7)
11	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Supply Voltage	"Withdrawn" IEC 62384 + AMD 1 CSV (Clause 7), IS 16104 (Clause 7)
12	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Electrical Strength	IEC 60598-2-5 (Clause 5), IS 10322 (Part 5 / Sec 5) +AMD 1(Clause 15)
13	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	Endurance	IEC 60598-2-5 (Clause 5), IS 10322 (Part 5 / Sec 5) +AMD1 (Clause 13)

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14	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	Insulation Resistance	IEC 60598-2-5(Clause 5), IS 10322 (Part 5/ Sec 5)+AMD 1 (Clause 15)
15	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood lights	Thermal	IEC 60598-2-5 (Clause 5), IS 10322 (Part 5 / Sec 5) +AMD 1 (Clause 13)
16	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Current	IS 16107(Part 2/Sec 1), IS 16107 (Part 2/Sec 2)
17	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Electrical Strength	IS 10322 (Part 1), IEC 60598-1, "Withdrawn" IEC 60598-1+AMD1 (Clause 10)
18	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Endurance	IS 10322 (Part 1), IEC 60598-1, "Withdrawn" IEC 60598-1+AMD 1 (Clause 12.3)
19	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Harmonics	"Withdrawn" IEC 61000-3-2
20	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Humidity Test	IS 10322 (Part 1), IEC 60598-1, "Withdrawn" IEC 60598-1+AMD 1 (Clause 9.3)
21	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Input Voltage	IS 16107(Part 2/Sec 1), IS 16107(Part 2/Sec 2)(Clause 6)
22	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Insulation Resistance	IS 10322 (Part 1), IEC 60598-1, "Withdrawn" IEC 60598-1 +AMD 1 (Clause 10)
23	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Power Factor	IS 16107(Part 2/Sec 2) (Clause 12)
24	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Thermal Test (Temperature test for normal operation)	IS 10322 (Part 1), IEC 60598-1, "Withdrawn" IEC 60598-1+AMD 1 (Clause 12.4)

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25	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights, Recessed Luminaries, Road and Street Light Luminaries, Industrial Luminaries, Emergency Lights, General Purpose Luminaries and accessories including control gear	Total Input Power	IS 16107(Part 2/Sec 1) (Clause 7), IS 16107(Part 2/Sec 2) (Clause 7)
26	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General purpose luminaries	Electrical Strength	"Withdrawn" IEC 60598-2-1(Clause 1), IS 10322 (Part 5/ Sec 1) (Clause 15)
27	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General purpose luminaries	Endurance	"Withdrawn" IEC 60598-2-1 (Clause 1), IS 10322 (Part 5/ Sec 1) (Clause 13)
28	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General purpose luminaries	Insulation Resistance	"Withdrawn" IEC 60598-2-1(Clause 1), IS 10322 (Part 5/ Sec 1) (Clause 15)
29	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General purpose luminaries	Thermal Test (Temperature test for normal operation)	"Withdrawn" IEC 60598-2-1 (Clause 1), IS 10322 (Part 5/ Sec 1) (Clause 13)
30	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries and LED Modules for General Lighting	Electrical Strength	IS 16103 (Part 1) (Clause 12)+AMD 1
31	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries and LED Modules for General Lighting	Insulation resistance	IS 16103 (Part 1) (Clause 12)+AMD 1
32	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	Electrical strength	IS 10322 (Part 5 / Sec 4)+AMD 1 (Clause 13.6)
33	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	Endurance	IS 10322(Part 5 / Sec 4) (Clause 13.4)+AMD 1
34	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	Insulation resistance	IS 10322 (Part 5/ Sec 4)+AMD 1 (Clause 13.6)
35	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable luminaries	Thermal Test (Temperature test for normal operation)	IS 10322 (Part 5 / Sec 4) (Clause 13.4)+AMD 1
36	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Electrical strength	IEC 60598-2-2 (Clause 2), IS 10322 (Part 5 / Sec 2)+AMD 1(Clause 15)
37	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Endurance	IEC 60598-2-2 (Clause 2), IS 10322 (Part 5 / Sec 2) + AMD 1(Clause 13)

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38	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Insulation resistance	IEC 60598-2-2 (Clause 2), IS 10322 (Part 5 / Sec 2)+AMD 1 (Clause 15)
39	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Thermal Test (Temperature test for normal operation)	IEC 60598-2-2 (Clause 2), IS 10322 (Part 5 / Sec 2)+AMD 1 (Clause 13)
40	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & street light luminaries	Electrical strength	IEC 60598-2-3+AMD 1 (Clause 3), IS 10322 (Part 5 / Sec 3)+AMD 1 (Clause 15)
41	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & street light luminaries	Endurance	IEC 60598-2-3+AMD 1 (Clause 3), IS 10322 (Part 5 / Sec 3)+ AMD 1 (Clause 13)
42	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & street light luminaries	Insulation resistance	IEC 60598-2-3+AMD 1 (Clause 3), IS 10322 (Part 5 / Sec 3)+AMD 1 (Clause 15)
43	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Road & street light luminaries	Thermal Test (Temperature test for normal operation)	IEC 60598-2-3+AMD 1 (Clause 3), IS 10322 (Part 5 / Sec 3) +AMD 1 (Clause 13)
44	PHOTOMETRY-LUMINARIES	LED Luminaries	Chromaticity X Co-ordinates	IS 16107 (Part 2 / Sec 1) (Clause 9)
45	PHOTOMETRY-LUMINARIES	LED Luminaries	Chromaticity Y Co-ordinates	IS 16107 (Part 2 / Sec 1) (Clause 9)
46	PHOTOMETRY-LUMINARIES	LED Luminaries	Color Characteristics-Color Rendering Index (CRI)	IS 16107 (Part 2/Sec 1) (Clause 9)
47	PHOTOMETRY-LUMINARIES	LED Luminaries	Color Characteristics-Correlated Color Temperature (CCT)	IS 16107(Part 2/Sec 1) (Clause 9)
48	PHOTOMETRY-LUMINARIES	LED Luminaries	Input Power (Electrical Measurement)	IS 16107 (Part 2/Sec 1) (Clause 7)
49	PHOTOMETRY-LUMINARIES	LED Luminaries	Total Luminous Flux	IS 16107(Part 2/Sec 1) (Clause 8.1)
50	PHOTOMETRY-LUMINARIES	LED Modules	Chromaticity X Coordinates	IS 16103 (Part 2) (Clause 9)+AMD 3
51	PHOTOMETRY-LUMINARIES	LED Modules	Chromaticity Y Coordinates	IS 16103 (Part 2) (Clause 9) + AMD 3
52	PHOTOMETRY-LUMINARIES	LED Modules	Color Characteristics-Color Rendering Index (CRI)	IS 16103 (Part 2) (Clause 9)+AMD 3
53	PHOTOMETRY-LUMINARIES	LED Modules	Color characteristics-Correlated color temperature (CCT)	IS 16103 (Part 2) (Clause 9) + AMD 3

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54	PHOTOMETRY-LUMINARIES	LED Modules	Input Power (Electrical Measurement)	IS 16103 (Part 2) (Clause 7) + AMD 3
55	PHOTOMETRY-LUMINARIES	LED Modules	Total Luminous Flux	IS 16103 (Part 2) (Clause 9) + AMD 3
56	PHOTOMETRY-LUMINARIES	Solid State Lighting	Chromaticity X Co-ordinates	IS 16106 (Clause 14), "Withdrawn" LM79-08 (Clause 12)
57	PHOTOMETRY-LUMINARIES	Solid State Lighting	Chromaticity Y Co-ordinates	IS 16106 (Clause 14), "Withdrawn" LM79-08 (Clause 12)
58	PHOTOMETRY-LUMINARIES	Solid State Lighting	Color Characteristics-Color Rendering Index (CRI)	IS 16106 (Clause 14), "Withdrawn" LM79-08 (Clause 12)
59	PHOTOMETRY-LUMINARIES	Solid State Lighting	Color Characteristics-Correlated Color Temperature (CCT)	IS 16106 (Clause 14), "Withdrawn" LM79-08 (Clause 12)
60	PHOTOMETRY-LUMINARIES	Solid State Lighting	Electrical Parameter (Input Current)	IS 16106 (Clause 10), "Withdrawn" LM79-08 (Clause 8)
61	PHOTOMETRY-LUMINARIES	Solid State Lighting	Electrical Parameter (Input Power)	IS 16106 (Clause 10), "Withdrawn" LM79-08 (Clause 8)
62	PHOTOMETRY-LUMINARIES	Solid State Lighting	Electrical Parameter (Input Voltage)	IS 16106 (Clause 10), "Withdrawn" LM79-08 (Clause 8)
63	PHOTOMETRY-LUMINARIES	Solid State Lighting	Power Factor	IS 16106 (Clause 10), "Withdrawn" LM79-08 (Clause 8)
64	PHOTOMETRY-LUMINARIES	Solid State Lighting	Total Luminous Flux	IS 16106 (Clause 9.0), "Withdrawn" LM79-08 (Clause 11.2)