National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRODUCT EVALUATION LABORATORY, PANASONIC LIFE SOLUTIONS INDIA PVT. LTD., UNIT V, 32/1, 32/2, 32/3, 34, BHIMPORE, NANI, DAMAN, DAMAN AND DIU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/08/2021 to 11/08/2023 **Last Amended on** 08/07/2022

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- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Resistance to Humidity	IEC 60884-1, Clause. 16; IS 1293, Clause 16
2	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Ratings	IEC 60884-1, Clause. 6; IS 1293, Clause 6
3	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Protection Against Electric Shock	IEC 60884-1, Clause 10; IS 1293, Clause 10
4	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Classification	IEC 60884-1, Clause. 7; IS 1293, Clause 7
5	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Constructional requirement of fixed socket outlets	IEC 60884-1, Clause 13; IS 1293, Clause 13
6	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Creepage distances, clearances and distance through sealing compound	IEC 60884-1, Clause. 27; IS 1293, Clause 27
7	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Electric Strength	IEC 60884-1, Clause 17; IS 1293, Clause 17
8	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Force necessary to Withdraw the plug	IEC 60884-1, Clause 22; IS 1293, Clause 22
9	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Insulation Resistance	IEC 60884-1, Clause 17; IS 1293, Clause 17
10	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Making and Breaking Capacity	IEC 60884-1, Clause 20; IS 1293, Clause 20
11	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Mechanical Strength	IEC 60884-1, Clause 24; IS 1293, Clause 24
12	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Normal Operation	IEC 60884-1, Clause 21; IS 1293, Clause 21
13	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Operation of earthing Contacts	IEC 60884-1, Clause 18; IS 1293, Clause 18
14	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Provision for earthing	IEC 60884-1, Clause 11; IS 1293, Clause 11
15	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Resistance of insulation material Abnormal Heat and Fire	IEC 60884-1, Clause 28; IS 1293, Clause 28
16	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Resistance to Ageing	IEC 60884-1, Clause 16; IS 1293, Clause 16
17	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Resistance to Heat	IEC 60884-1, Clause 25; IS 1293, Clause 25

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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
18	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Resistance to Rusting	IEC 60884-1, Clause 29; IS 1293, Clause 29
19	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Screws, current carrying parts and connections	IEC 60884-1, Clause 26; IS 1293, Clause 26
20	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Temperature Rise Test	IEC 60884-1, Clause 19; IS 1293, Clause 19
21	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Terminals (Screw & screw less)	IEC 60884-1, Clause 12; IS 1293, Clause 12
22	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Verification of Dimensions	IEC 60884-1, Clause 9; IS 1293, Clause 9
23	ELECTRICAL- WIRING ACCESSORIES	Socket (6 A to 16 A, rating)	Verification of Marking	IEC 60884-1, Clause 8; IS 1293, Clause 8
24	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Checking of Dimensions	IEC 60669-1, Clause. 9, IS 3854 (Amd. 1-7) Clause. 9
25	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Classification	IEC 60669-1,Clause. 7; IS 3854 (Amd. 1-7) Clause. 7
26	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Constructional Requirement	IEC 60669-1,Clause. 13; IS 3854 (Amd. 1-7) Clause. 13
27	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Creepage distances, clearances and distance through sealing compound	IEC 60669-1,Clause. 23; IS 3854 (Amd. 1-7) Clause. 23
28	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Electric Strength	IEC 60669-1,Clause. 16; IS 3854 (Amd. 1-7) Clause. 16
29	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Insulation Resistance	IEC 60669-1,Clause. 16; IS 3854 (Amd. 1-7) Clause. 16
30	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Making and Breaking Capacity	IEC 60669-1,Clause. 18; IS 3854 (Amd. 1-7) Clause. 18
31	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Mechanical Strength	IEC 60669-1,Clause. 20; IS 3854 (Amd. 1-7) Clause. 20
32	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Mechanism	IEC 60669-1,Clause. 14; IS 3854 (Amd. 1-7) Clause. 14
33	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Normal Operation	IEC 60669-1,Clause.19; IS 3854 (Amd. 1-7) Clause. 19.1
34	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Normal Operation for Fluorescent lamp circuits	IEC 60669-1,Clause. 19; IS 3854 (Amd. 1-7) Clause. 19.2
35	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Protection Against Electric Shock	IEC 60669-1,Clause. 10; IS 3854 (Amd. 1-7) Clause. 10

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36	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Ratings	IEC 60669-1,Clause. 6
37	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Resistance to insulating material to abnormal heat, to fire /Resistance to Abnormal Heat and Fire	IEC 60669-1,Clause. 24; IS 3854 (Amd. 1-7) Clause. 24.1
38	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Resistance to Ageing	IEC 60669-1,Clause. 15; IS 3854 (Amd. 1-7) Clause. 15
39	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Resistance to Heat	IEC 60669-1,Clause. 21; IS 3854 (Amd. 1-7) Clause. 21
40	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Resistance to Humidity	IEC 60669-1,Clause. 15; IS 3854 (Amd. 1-7) Clause.15
41	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Resistance to Rusting	IEC 60669-1,Clause. 25; IS 3854 (Amd. 1-7) Clause.25
42	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Screws, current carrying parts and connections	IEC 60669-1,Clause. 22; IS 3854 (Amd. 1-7) Clause. 22
43	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Temperature Rise Test	IEC 60669-1,Clause. 17; IS 3854 (Amd. 1-7) Clause.17
44	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Terminals (Screw & screw less)	IEC 60669-1,Clause. 12; IS 3854 (Amd. 1-7) Clause. 12
45	ELECTRICAL- WIRING ACCESSORIES	Switch (6A to 32 Ampere)	Verification of Marking	IEC 60669-1,Clause. 8; IS 3854 (Amd. 1-7) Clause.8
46	ELECTRICAL- WIRING ACCESSORIES	switch 6A to 32 A	Provision for Earthing	IEC 60669-1,Clause. 11; IS 3854 (Amd. 1-7) Clause.11
47	ELECTRICAL- WIRING ACCESSORIES	Switch 6A to 32 A	Test for switches intended f0r self Ballasted Lamp Load	IEC 60669-1, Clause 19.3
48	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters	Marking	IEC 60884-2-3,Cl.8; IEC 60884-1,Cl.8
49	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Screws, current carrying parts and connections	IEC 60884-2-3,Cl.26; IEC 60884-1,Cl.26
50	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Breaking Capacity	IEC 60884-2-3,Cl.20; IEC 60884-1,Cl.20

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51	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Checking Of Dimensions	IEC 60884-2-3, Cl.9 IEC 60884-1, Cl.9
52	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Mechanical Strength	IEC 60884-2-3,Cl.24; IEC 60884-1,Cl.24
53	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Classification	IEC 60884-2-3,Cl.7; IEC 60884-1,Cl.7
54	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Constructional requirement of fixed socket outlets	IEC 60884-2-3,Cl.13; IEC 60884-1,Cl.13
55	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Cree page distances, clearances and distance through sealing compound	IEC 60884-2-3,Cl.27; IEC 60884-1,Cl.27
56	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Electric Strength	IEC 60884-2-3,Cl.17; IEC 60884-1,Cl.17
57	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Force necessary to Withdraw the plug	IEC 60884-2-3,Cl.22; IEC 60884-1,Cl.22
58	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Insulation Resistance	IEC 60884-2-3,Cl.17; IEC 60884-1,Cl.17
59	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Normal Operation	IEC 60884-2-3,Cl.21; IEC 60884-1,Cl.21

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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
60	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Operation of earthing Contacts	IEC 60884-2-3,Cl.18; IEC 60884-1,Cl.18
61	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Protection Against Electric Shock	IEC 60884-2-3,Cl.10; IEC 60884-1,Cl.10
62	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Provision for earthing	IEC 60884-2-3,Cl.11; IEC 60884-1,Cl.11
63	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Ratings	IEC 60884-2-3,Cl.6; IEC 60884-1,Cl.6
64	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Resistance of insulation material to Abnormal Heat and Fire	IEC 60884-2-3,Cl.28; IEC 60884-1,Cl.28
65	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Resistance to Ageing	IEC 60884-2-3,Cl.16; IEC 60884-1,Cl.16
66	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Resistance to Heat	IEC 60884-2-3,Cl.25; IEC 60884-1,Cl.25
67	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Resistance to Humidity	IEC 60884-2-3,Cl.16; IEC 60884-1,Cl.16
68	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Resistance to Rusting	IEC 60884-2-3,Cl.29; IEC 60884-1,Cl.29

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69	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Temperature Rise Test	IEC 60884-2-3,Cl.19; IEC 60884-1,Cl.19
70	ELECTRICAL- WIRING ACCESSORIES	Switched Socket – Outlets [Up to 13A, 250V ac 50 Hz rating, Non-interlock type, Flush type, Rewireable, with Screw type terminals, IPX0, with Rocker type Switch, Two Pole with Earth (Three Flat pins) Socket without switched Neutral, with/ without Shutters]	Terminals (Screw & screw less)	IEC 60884-2-3,Cl.12; IEC 60884-1,Cl.12
71	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Correlated Color Temperature	IEC 62612+ AMD 2, Clause no.10
72	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Chromaticity Coordinates	IEC 62717 + A1, Clause No. 9
73	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Chromaticity Coordinates	IEC 62717 + A1, Clause No. 9
74	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Chromaticity Coordinates	IS 16103 (Part 2) + A3, Clause No. 9
75	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Chromaticity Coordinates	IS 16103 (Part 2) + A3, Clause No. 9
76	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Colour Rendering Index	IEC 62717+A1, Clause no.9
77	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Colour Rendering Index	IS 16103 (Part 2) + A3, Clause No. 9
78	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Correlated Color Temperature	IEC 62717+A1, Clause no.9
79	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Correlated Color Temperature	IS 16103 (Part 2) +A3, Clause no.9
80	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous efficacy	IEC 62717+A1, Clause no.8.3

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81	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous efficacy	IS 16103 (Part 2)+A3, Clause No. 8.3
82	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Flux	IEC 62717+A1, Clause no.8.1
83	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Flux	IS 16103 (Part 2) +A3, Clause no.8.1
84	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Luminous Intensity distribution,Peak Intensity value	IS 16103 (Part 2) +A3, Clause no.8.2
85	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Module Power	IEC 62717+A1, Clause no.7.1
86	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules	Module Power	IS 16103 (Part 2) +A3, Clause no. 7
87	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Luminous Intensity distribution, Peak Intensity value	Luminous Intensity distribution, Peak Intensity value	IEC 62717+A1, Clause No. 8.2
88	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Chromaticity Coordinates	IS 16102 (Part 2), Clause No. 10
89	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Chromaticity Coordinates	IEC 62612 + AMD 2, Clause No.10
90	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Chromaticity Coordinates	IEC 62612+ AMD 2, Clause No. 10
91	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Chromaticity Coordinates	IS 16102 (Part 2), Clause No. 10
92	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Colour Rendering Index	IEC 62612+ AMD 2, Clause No. 10
93	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Colour Rendering Index	IS 16102 (Part 2), Clause No. 10
94	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Correlated Color Temperature	IS 16102 (Part 2), Clause No. 10

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95	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Efficacy	IEC 62612 + AMD2, Clause no.9.3
96	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Efficacy	IS 16102 (Part 2), Clause No. 9.3
97	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Lamp Power	IEC 62612 + AMD 2, Clause no.8.1
98	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Lamp Power	IS 16102 (Part 2), Clause no.8.1
99	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Luminous Flux	IEC 62612, AMD 2, Clause no.9.1
100	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted LED Lamps for General Lighting Services	Luminous Flux	IS 16102 (Part 2), Clause no. 9.1
101	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Chromaticity coordinates	IEC 62722-2-1, Clause no 9
102	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Chromaticity coordinates	IEC 62722-2-1, Clause no.9
103	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Chromaticity coordinates	IS 16107 (Part 2/Sec 1), Clause No. 9
104	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Chromaticity coordinates	IS 16107 (Part 2/Sec 1), Clause no.9
105	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Color rendering index	IEC 62722-2-1, Clause no. 9
106	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Color rendering index	IS 16107 (Part 2/Sec 1), Clause no. 9
107	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Correlated color temperature	IEC 62722-2-1, Clause no. 9
108	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Correlated color temperature	IS 16107 (Part 2/Sec 1), Clause no.9
109	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Luminous Efficacy	IEC 62722-2-1, Clause 8.3
110	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Luminous Efficacy	IS 16107 (Part 2/Sec 1), Clause no. 8.3
111	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Luminous flux	IEC 62722-2-1, Clause no.8.1

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7705	**Page No**	9 of 11
Validity	12/08/2021 to 11/08/2023	**Last Amended on**	08/07/2022

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
112	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Luminous flux	IS 16107 (Part 2/Sec 1), Clause no. 8.1
113	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Luminous intensity distribution,	IS 16107 (Part 2 / Sec-1), Clause no. 8.2.3
114	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Total Input Power	IEC 62722-2-1, Clause no.7
115	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Total Input Power	IS 16107 (Part 2/Sec 1), Clause no.7
116	PHOTOMETRY-LUMINARIES	Luminaires (LED Luminaires)	Luminous intensity distribution	IEC 62722-2-1, Clause no.8.2.3
117	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 1), Clause no. 17
118	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 2), Clause no.17
119	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 3), Clause no.17
120	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 5), Clause No. 17
121	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 13383 (Part 2)
122	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 13383 (Part 1)
123	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 13383 (Part 1)
124	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 3), Cl. No. 17
125	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 5), Cl. No. 17
126	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 13383 (Part 2)
127	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 2), Cl. No. 17
128	PHOTOMETRY-LUMINARIES	Luminaries (LED Luminaires)	Photometric Test	IS 10322 (Part 5/ Section 1), Clause no. 17
129	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity coordinates	IES LM-79-08,Clause no.12
130	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity Coordinates	IES LM-79-08,Clause no.12

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7705	**Page No**	10 of 11
Validity	12/08/2021 to 11/08/2023	**Last Amended on**	08/07/2022

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
131	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity Coordinates	IS 16106, Clause no.14
132	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity coordinates	IS 16106, Clause no.14
133	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity uniformity measurements	IES LM79-19, Clause No. 9.0
134	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity uniformity measurements	IES LM79-19, Clause No. 9.0
135	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity uniformity measurements	IES LM79-19,Clause No. 9.0
136	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Chromaticity uniformity measurements	IES LM79-19,Clause No.9.0
137	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Color Characteristics – Correlated color temperature	IES LM-79-08,Clause no.12
138	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Color Characteristics – Correlated color temperature	IS 16106, Clause no.14
139	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Color Rendering Index	IES LM-79-08,Clause no.12
140	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Color Rendering Index	IS 16106, Clause no.14
141	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Input AC/DC Power	IES LM-79-08,Clause no.8
142	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Input AC/DC Power	IS 16106, Clause no.10
143	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Luminous Efficacy	IES LM-79-08, Clause no.11
144	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Luminous Efficacy	IS 16106, Clause no 13
145	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Luminous Intensity	IES LM79-19, Cl.No.8
146	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Luminous Intensity Distribution	IES LM-79-08,Clause no.10
147	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Luminous Intensity Distribution	IS 16106, Clause no.12
148	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Total Luminous Flux	IES LM-79-08,Clause no. 9
149	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Total Luminous Flux	IES LM79-19 Cl.No. 7

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	PRODUCT EVALUATION LABORATORY, PANASONIC LIFE SOLUTIONS INDIA PVT. LTD., UNIT V, 32/1, 32/2, 32/3, 34, BHIMPORE, NANI, DAMAN, DAMAN AND DIU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7705	**Page No**	11 of 11
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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
150	PHOTOMETRY-LUMINARIES	Solid State Lighting Products	Total Luminous Flux	IS 16106, Clause 11