Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK



Stafford Park 7

1286

Accredited to ISO/IEC 17025:2017

LIA LABORATORY LIMITED

Issue No: 049 Issue date: 13 June 2025

Telford Shropshire **TF3 3BQ**

Contact: Mr Jack Adams Tel: +44 (0)1952 290907 Fax: +44 (0)1952 290908 E-Mail: lab@thelia.org.uk Website: www.lialab.org.uk

Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SECTION 1: LUMINAIRES		
General Requirements	Safety Tests	EN IEC 60598-1:2021 + A11:2022 Excluding
	Electrical, Mechanical and Thermal	Rough service luminaires (clauses 4.13.4, 4.20) and clauses 4.34,
	Ingress Protection Tests	9.2.10 & 9.2.11
	IP1X to IP6X IPX3 to IPX5, IPX6, IPX7 and IPX8	EN IEC 60598-1:2021 + A11:2022 Excluding clauses 9.2.10 and 9.1.11 (IPX9)
	RESTRICTIONS:	
	Ingress protection tests restricted to luminaires not exceeding 900 mm in length	
	Humidity tests restricted to luminaires not exceeding 1200 mm in length	
	Thermal tests restricted to luminaires not exceeding:-	
	Tungsten/tungsten-halogen lamps: 1000 W	
	Sodium/mercury type discharge lamps: 400 W	



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SECTION 1: LUMINAIRES (cont'd)		
Fixed luminaires	Safety tests	EN IEC 60598-2-1:2021 IEC 60598-2-1:2020
Recessed luminaires	Safety tests	EN 60598-2-2:2012 IEC 60598-2-2:2023
Road and Street Lighting	Safety tests	EN 60598-2-3:2003 + A1:2011 Excluding:
	Maximum input voltage 250 V ac C_d to be 1.2	Clause 3.6.3.1 Drag coefficient measurement only
Portable luminaires	Safety tests	EN 60598-2-4:2018
Floodlights	Safety tests	EN 60598-2-5:2015
Luminaires with built in transformers	Safety tests	EN 60598-2-6:1995 + A1:1997
Portable child appealing luminaires	Safety tests	EN 60598-2-10:2003 Excluding: Clause 10.15.2
Socket-outlet mounted night lights	Safety tests	EN 60598-2-12:2013 Excluding: Clause 12.7.1, plug pins Clause 12.7.2, plug pins Clause 12.7.11, impulse test Clause 12.14.1, plug pins
Ground recessed luminaires	Safety tests	EN 60598-2-13:2006 + A2: 2016
Lighting chains	Safety tests	EN 60598-2-20:2010, Excluding: Clause 20.16 Sealed chains only
Emergency luminaires	Safety tests	EN IEC 60598-2-22:2022 EN 60598-2-22:2014 + A1:2020 IEC 60598-2-22:2014+Amd1:2017



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SECTION 2: COMPONENTS FOR LUMINAIRES		
Self-Ballasted LED Lamps	Safety tests	EN 62560:2012+A11:2019 Excluding: Clause 6 GZ10 and GX53 lamp caps Clause 9 Torsion resistance of unused lamps
Double-capped LED lamps for general lighting servicesn	Safety tests	IEC 62776 Edition 1.0 2014
Lamp controlgears	Safety tests	EN 61347-1:2015+A1:2021 (exclude section 14.7 and Annex P)
Ballasts for emergency luminaires	Safety tests	EN 61347-2-7:2012+A1:2019 + A2:2022
Miscellaneous electronic circuits used with Luminaires	Safety tests	EN 61347-2-11:2001+A1:2019
DC or AC supplied electronic ballasts for LED modules	Safety tests Maximum input voltage 250 V ac Rated Frequency 50 Hz only a.c. only	EN 61347-2-13:2014+A1:2017
DC or AC supplied electronic contolgear for LED modules	Performance tests Maximum input voltage 250 V ac Rated Frequency 50 Hz only a.c. only	EN 62384:2006 + A1 Excluding: Clause 11, audio frequencies
Edison screw lampholders	Electrical safety	EN 60238:2018+A1:2018 + A2:2021 AS/NZ 60238:2015+A1:2015 AS 60238:2022 E27, E14 & E40 lampholder types only
Supply track systems for luminaires	Electrical safety	EN 60570:2003 + A2:2020
Electric Toys (Luminaire toys only)	Safety tests	EN 62115:2020+A11:2020 (only clauses 9.4 and 9.10)
Self-ballasted LED lamps – performance	Performance tests	EN 62612: 2013

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TESTING			
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Materials/Products tested	b	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SECTION 3: GENERAL TES	тѕ		
Electric appliances		Power, current, voltage, frequency and power factor	ELEXON Operational Information Document V29.0

Electric appliances (luminaires, sensors, CCTV cameras, power supplies for IT, etc.) for connection to un-metered Supplies (UMSUG)	Power, current, voltage, frequency and power factor measurement	ELEXON Operational Information Document V29.0
Electrical Equipment - IK codes	Safety tests – Impact resistance	EN 62262:2008+A1:2021 Excluding: IK01, IK11
Luminaires – IK codes	Safety tests – Impact resistance	IEC TR 62696:2011
Fire hazard testing	Glow wire test	EN 60695-2-10:2013 EN 60695-2-11:2014 EN IEC 60695-2-12:2021 EN IEC 60695-2-13:2021
Fire hazard testing	Ball Pressure test	EN 60695-10-2:2014
Fire hazard testing	Needle flame test	EN 60695-11-5: 2017
Enclosures for Electrical Equipment	Ingress protection tests:-	EN 60529:1992 + A2:2013
	IP1X Protected against solid objects greater than 50 mm diameter	
	IP2X Protected against solid objects greater than 12 mm diameter	
	IP3X Protected against solid objects greater than 2.5 mm diameter	
	IP4X Protected against solid objects greater than 1.0 mm diameter	
	IP5X/IP6X Dust protected Excluding: Objects greater than 810 x 760 x 800 mm	



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SECTION 3: GENERAL TESTS (cont'd)		
Enclosures for Electrical Equipment (cont'd)	Ingress protection tests:- (cont'd) IP6X Dust Tight Excluding: Objects greater than 810 x 760 x 800 mm IPX3 Protected against spraying water IPX4 Protected against splashing water IPX5 Protected against water jets IPX6 Protected against powerfull water Jets IPX7 Protected against the effects of immersion Excluding: Objects greater than Ø 350 x 500 mm IPX8 Protected against the effects of submersion. Excluding: Objects greater than Ø 350 x 500 mm Maximum depth: 100 metres	EN 60529:1992 + A2:2013 Excluding: IPX9





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SECTION 4: PHOTOMETRY		
Lamps and Luminaires	Photometric measurement: Measurements using an Integrating sphere: Luminous Flux, Luminous efficacy, Spectral total flux, Chromaticity Coordinates, Correlated Colour Temperature and Colour Rendering Indices using an Integrating Sphere Integrating Sphere: Maximum largest dimension of test artefact 1800mm Measurements using a Goniophotometer: Total Luminous Flux Luminous Efficacy Centre Beam Intensity and Beam angles Luminous Intensity Distribution Goniophotometer: Maximum largest dimension of test artefact 1900mm	Documented in-house method in accordance with : IES-LM-79-08 (Clause 9.1 and 9.3) IEC/PAS 62612 (Clauses 6, 7, 8, 9 and 10) CIE 13.3:1995 CIE 84:1989 CIE 121:1996 (Clause 6.3.3) CIE 127:2007 (integrating sphere method) EN 13032-1:2004 + A1:2012 (Clause 6.1.1.3 and 6.1.2) EN 13032-4:2015 + A1:2019 (Clause 4.5.3,4.5.4, 6.2, 6.3, 6.4, 6.5 and 6.6)
Lamps and Lamp systems	Photometric Flicker measurements	IES Lighting Handbook, 10 th Edition (definition of flicker index)
LED lamps and luminaires	Blue Light Hazard	EN IEC 60598-1:2021-+A11:2022 (Clause 4.24.2) EN 62560:2012 + A11:2019 (Clause 17.2) EN 62031 :2020 (Clause 21.2) IEC/TR 62778:2014 BS EN 62471:2008 Clauses 4.3.3 and 4.3.4 only
NOTE: Where the EN standards listed above have technical equivalents in IEC and BS EN standards, these IEC and BS EN standards are also included in the accreditation.		

END