


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2005</p>	<p style="text-align: center;">LUX-TSI Limited</p> <p style="text-align: center;">Issue No: 008 Issue date: 20 January 2017</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;"> Unit 1B Pencoed Technology Park Pencoed Bridgend CF35 5AQ </td><td style="width: 50%;"> Contact: Gareth Jones Tel: +44 (0)1656 864618 E-Mail: gjones@lux-tsi.com Website: www.lux-tsi.com </td></tr> </table> <p style="text-align: center;">Testing performed at the above address only</p>	Unit 1B Pencoed Technology Park Pencoed Bridgend CF35 5AQ	Contact: Gareth Jones Tel: +44 (0)1656 864618 E-Mail: gjones@lux-tsi.com Website: www.lux-tsi.com
Unit 1B Pencoed Technology Park Pencoed Bridgend CF35 5AQ	Contact: Gareth Jones Tel: +44 (0)1656 864618 E-Mail: gjones@lux-tsi.com Website: www.lux-tsi.com		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>LIGHTING</p> <p>LED Packages LED Modules & Light Engines</p> <p>Self-Ballasted Lamps</p> <p>Lamps With External Ballasts</p> <p>Luminaires</p>	<p>Integrated Spectroradiometric Flux (Using an Integrating Sphere) and Conversion Into Luminous Flux, Chromaticity And Colour Rendering values</p> <p>Integrating Sphere: Maximum largest dimension of test artefact 100 mm Maximum power of test artefact 100 W</p> <p>Luminous Intensity Distribution and Total Luminous Flux using a Goniophotometer (Not Compact Fluorescent Lamps)</p> <p>Goniophotometer: Maximum largest dimension of test artefact 1.9 M</p>	<p>BS EN ISO 13032-1 +A1:2012 EN 13032-4:2014 Draft IESNA LM-79-08 IESNA LM-9-09 IESNA LM-45-09 IESNA LM-66-11 CIE 127 CIE 121 CIE 84 CIE 177 EC 244-2009 EU 1194-2012 IEC 62612 ed1.0 (2013-06) IEC 62722-1 ed1.0 (2014-09) IEC 62722-2-1 ed1.0 (2014-11) IEC 62717 ed1.0 (2014-12) CIE 025/E:2014</p> <p>Colour rendering calculations performed according to CIE13.3:1995</p>
<p>LED Packages</p> <p>LED Modules & Light Engines</p>	<p>Lumen Depreciation Testing Maximum largest dimension of test artefact 100 mm Maximum power of test artefact 100 W</p>	<p>IESNA LM-80-08 IESNA TM-21</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
LIGHTING (cont'd) Self-Ballasted LED Lamps LED Lamps With External Ballasts LED Luminaires	Performance Testing Including Lumen Depreciation Testing Maximum largest dimension of test artefact 100 mm Maximum power of test artefact 100 W	IESNA LM 79-08 BS EN 13032-1:2004 + A1:2012 EN 13032-4:2014 Draft CIE 025/E:2014 CIE 127 CIE 121 CIE 84 CIE13.3 CIE 177 EC 244-2009 EU 1194-2012 IEC 62612 ed1.0 (2013-06) IEC 62722-1 ed1.0 (2014-09) IEC 62722-2-1 ed1.0 (2014-11) IEC 62717 ed1.0 (2014-12)
Lamps	Luminous Flux Maximum largest dimension of test artefact 100 mm Maximum power of test artefact 100 W	CIE 84 clause 6 (luminous flux measurement using integrating sphere)
LED Lamps and Luminaires	Lighting Facts Energystar	IESNA LM-79-08 IESNA LM-80-08 IESNA TM-21 ISTMT
Emergency Lighting Products	Goniophotometry Functional Safety Changeover Operation	BS EN60598-2-22 CLAUSES: 22.12.7 22.16.1 22.16.3 22.16.14 22.17
END		