


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 |
|--|---|---|
| LIGHTING LED Packages LED Modules & Light Engines Self-Ballasted Lamps Lamps With External Ballasts Luminaires | Integrated Spectroradiometric Flux (Using an Integrating Sphere) and Conversion Into Luminous Flux, Chromaticity And Colour Rendering values Integrating Sphere: Maximum largest dimension of test artefact 100 mm Maximum power of test artefact 100 W Luminous Intensity Distribution and Total Luminous Flux using a Goniophotometer (Not Compact Fluorescent Lamps) Goniophotometer: Maximum largest dimension of test artefact 1.9 M | 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 Colour rendering calculations performed according to CIE13.3:1995 |
| LED Packages LED Modules & Light Engines | Lumen Depreciation Testing Maximum largest dimension of test artefact 100 mm Maximum power of test artefact 100 W | IESNA LM-80-08 IESNA TM-21 |
| | | |



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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 | | |