



CC 693390

Date: 24 September 2020

## CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
<b>TEST REPORT NUMBER</b> 'Assessment Reports' are not acceptable	8941184 Rev 1 8941185 Rev 2 8941190	<b>CERTIFICATE NUMBER</b>	KM 615071
<b>DATE OF ISSUE</b>	28 April 2020 07 July 2020 10 May 2019	<b>DATE OF ISSUE</b>	30 April 2020
<b>DATE OF EXPIRY</b>	By expiration of the standard(s)	<b>DATE OF EXPIRY</b>	29 April 2023
Manufacturer details			
<b>NAME OF FACTORY/ MANUFACTURER</b>	ABB BV	<b>NAME OF THE BRAND</b>	Kaufel GmbH ABB Emergilight Van Lien NL + BE
<b>FACTORY ADDRESS / REGION</b> (STREET / TOWN / CITY / COUNTRY)	Kecskemet Plant Kecskemet- Kadafalva Heliport H-6000 Hungary	<b>MODEL / NO</b>	Lutia Outdoor LED emergency luminaires
<b>WEBSITE</b>	<a href="https://new.abb.com/lowvoltage/products/lightingemergencylighting/emergencylighting/emergi-lite">https://new.abb.com/lowvoltage/products/lightingemergencylighting/emergencylighting/emergi-lite</a> <a href="http://www.vanlien.com">www.vanlien.com</a> <a href="http://www.abb.de/kaufel">www.abb.de/kaufel</a>	<b>LOGO ON THE PRODUCT</b>	<b>EMERGI-LITE</b> <b>VanLien</b> <b>KAUFEL</b>
<b>TEL</b>	+44(0)1132810600 +31(0)88 2600 900	<b>EMAIL</b>	leeds.tech@gb.abb.com <a href="mailto:nl-order-EP@abb.com">nl-order-EP@abb.com</a>





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Product Details From Test Report		Reference Test Report page NO
<p><b>DESCRIPTION OF THE PRODUCT</b> (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)</p>	<p><b>Lutia self-contained emergency luminaires</b></p> <p>Class II luminaires IP65 3 hours duration</p> <p>The luminaire is design to provide open area/directional lighting in the event of power loss. It can be used as a maintained luminaire to provide lighting in normal operation and is designed to provide emergency lighting for a minimum of 3 hours</p> <p>See Appendix 1 for full range of emergency luminaires</p> <p><b>Lutia slave emergency luminaires</b></p> <p>Class II luminaires IP65 3 hours duration</p> <p>The luminaire is design to provide open area/directional lighting in the event of power loss via a central battery system. It can be used as a maintained luminaire to provide lighting in normal operation</p> <p>See Appendix 1 for full range of emergency luminaires</p>	<p>Pages 3 and 6</p>
<p><b>TEST STANDARD</b> (SUCH AS ASTM/BS EN/ DN ETC)</p>	<p>BS EN 60598-2-22:2014 in accordance with BS EN 60598-1:2015</p>	<p>Page 1</p>
<p><b>TEST DESCRIPTION</b></p>	<p><b>For BS EN 60598-2-22:2014 the tests are:</b></p> <p><b>Electrical Safety Tests</b></p> <ul style="list-style-type: none"> <li>• Classification of luminaires <ul style="list-style-type: none"> <li>▪ Classification according to type of luminaire shall be determined.</li> </ul> </li> <li>• Marking and instructions of luminaires <ul style="list-style-type: none"> <li>▪ Required markings and instruction information to be included</li> </ul> </li> <li>• Construction requirements for luminaires</li> <li>• Creepage distances and clearances <ul style="list-style-type: none"> <li>▪ Minimum distances for basic, supplementary and reinforced insulation</li> </ul> </li> <li>• Provision of earthing</li> </ul>	<p>Report 8941184 Rev 1 (SC) Pages 7-59</p> <p>8941190 (SC) Pages 6-28</p> <p>Report 8941185 Rev 1 (slave) Pages 7-23</p>





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<p><b>TEST DESCRIPTION</b></p>	<ul style="list-style-type: none"><li>• Terminals</li><li>• External and Internal Wiring<ul style="list-style-type: none"><li>▪ Requirements for wiring external to luminaire</li><li>▪ Requirements for wiring internal to luminaire</li></ul></li><li>• Protection against electric shock</li><li>• Endurance test and thermal test<ul style="list-style-type: none"><li>▪ Self-contained luminaires tested for 390hours cyclic tests (30hrs normal operation, 6hrs emergency operation at elevated temperatures of <math>T_{max} + 10^{\circ}C</math>. Centrally supplied (240hrs).</li><li>▪ Luminaire operates satisfactorily for 50 operations following endurance test.</li></ul></li><li>• Resistance to dust and moisture<ul style="list-style-type: none"><li>▪ Dependent on IP rating of product and tested as rated</li></ul></li><li>• Insulation resistance and electric strength</li><li>• Resistance to heat, fire and tracking</li></ul> <p><b>Performance tests</b></p> <ul style="list-style-type: none"><li>• Photometric Data<ul style="list-style-type: none"><li>▪ Intensity distribution data at least 50% of declared level after 5s and 100% after 60s until the full rated 3hr duration is complete</li><li>▪ Colour rendering index of light source of <math>R_a &gt; 40</math></li><li>▪ Luminance uniformity of safety signs</li></ul></li><li>• Changeover operation<ul style="list-style-type: none"><li>▪ Change over from normal operation to mains failure mode</li><li>▪ After 500 cycles the luminaire shall switch to emergency mode between 0.6x rated voltage and 0.85x rated voltage</li></ul></li><li>• High Temperature operation<ul style="list-style-type: none"><li>▪ Satisfactory operation on luminaires at an elevated temperature of <math>70^{\circ}C</math></li></ul></li><li>• Battery chargers for self-contained emergency luminaires<ul style="list-style-type: none"><li>▪ Battery charging operates at the following criteria: Minimum and maximum temperature range 0.9 times and 1.06 times rated operating voltage.</li></ul></li><li>• Test devices for emergency operation<ul style="list-style-type: none"><li>▪ Self-contained luminaires provided with a test device.</li></ul></li></ul>	<p>Report 8941184 (SC) Pages 7-59</p> <p>Report 8941185 (slave) Pages 7-23</p>
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<p><b>SPECIFICATION OF TEST SPECIMEN</b></p>	<p>Lutia 975 W/D M3 SUE, Lutia LED ESC 230V LTC Lutia LTA DLO/LB400</p> <p>As a minimum, the worst case product was tested and limited testing conducted on the other products as deemed appropriate to cover the full product series covered by the certificate.</p>	<p>Page 4</p>
<p><b>TEST RESULT</b> (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)</p>	<p>PASS</p>	<p>Page 1</p>
<p><b>PRODUCT APPLICATION GUIDELINE (END USE)</b> (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ ETC.</p>	<p>This section of IEC 60598-2 specifies requirements for emergency lighting luminaires for use with electrical light sources on emergency power supplies not exceeding 1 000 V.</p> <p>Full user instructions are supplied with each individual luminaire which provides the end user with the relevant information.</p>	<p>N/A</p>





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### Laboratory and Certification body details

<b>NAME OF CERTIFICATION BODY</b>	BSI Assurance UK Limited <b>bsi.</b>	<b>NAME OF TEST FACILITY</b>	BSI Assurance UK Limited <b>bsi.</b>
<b>CERTIFICATION BODY ADDRESS / REGION</b> <small>(STREET / TOWN / CITY / COUNTRY )</small>	Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP, United Kingdom	<b>TEST FACILITY ADDRESS / REGION</b> <small>(STREET / TOWN / CITY / COUNTRY )</small>	Holywell Park, Ashby Road, Loughborough, LE11 3AQ, United Kingdom
<b>WEBSITE</b>	www.bsigroup.com	<b>WEBSITE</b>	www.bsigroup.com
<b>TEL</b>	+44 (0) 845 0809000	<b>TEL</b>	+44 (0) 845 0809000
<b>EMAIL</b>	product.certification@bsigroup.com	<b>EMAIL</b>	product.certification@bsigroup.com
<b>ACCREDITED BY</b> <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	UKAS 21-47 High Street Feltham Middlesex TW13 4UN <a href="http://www.ukas.com">www.ukas.com</a>	<b>ACCREDITED BY</b> <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	UKAS 21-47 High Street Feltham Middlesex TW13 4UN <a href="http://www.ukas.com">www.ukas.com</a>
<b>AS PER</b> <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	ISO 17065:2012	<b>AS PER</b> <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	ISO 17025:2005
<b>VALIDITY</b> <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	Not applicable (no expiry date for UKAS accreditation)	<b>VALIDITY</b> <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	Not applicable (no expiry date for UKAS accreditation)
<b>REFERENCE NUMBER:</b> <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	0003	<b>REFERENCE NUMBER:</b> <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	0135
<b>CERTIFICATION MARK</b>			





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(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Jasper Bouma	SIGNATURE	
EMAIL / TEL	<a href="mailto:Jasper.bouma@nl.abb.com">Jasper.bouma@nl.abb.com</a>	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Holly Rossington	SIGNATURE	
EMAIL / TEL	Holly Rossington +44 345 080 9000	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

**ATTACHMENTS:**

- COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)
- APPENDIX 1 – FULL LIST OF MODELS



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## Appendix 1

### Lutia Self-contained luminaires

Basic 3 hour

Part code	Product description	Ratings	Branded as
65760230/20	Lutia 975 W/D M3 SUE	Class II IP65 230-240V 50 Hz	Kaufel GmbH
STLU3LB1E	Lutia LED ESC M3 ST	Class II IP65 230-240V 50 Hz	Emergi-Lite UK
65760230	LTA-DLO/3	Class II IP65 230-240V 50 Hz	Van Lien NL + BE
65760240	LTA-DLO/3/LB400	Class II IP65 230-240V 50 Hz	Van Lien NL + BE

Basic 8 hour BSI Test Report 8941188

Part code	Product description	Ratings	Branded as
65760280/20	Lutia 975 W/D M8 SUE	Class II IP65 230-240V 50 Hz	Kaufel GmbH
65760281/20	LUTIA 975 W/D M8 BUS	Class II IP65 230-240V 50 Hz	Kaufel GmbH
65760231/20	LUTIA 975 W/D M3 BUS	Class II IP65 230-240V 50 Hz	Kaufel GmbH
CTLU3LB1E	LUTIA LED ESC M3 CT- NAVEO	Class II IP65 230-240V 50 Hz	Emergi-Lite UK
65760231	LTA-DLO/3/CIS	Class II IP65 230-240V 50 Hz	Van Lien NL + BE





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## Lutia Slave luminaires

### Basic 230V

Part code	Product description	Ratings	Branded as
65760250/20	Lutia 975 W/D EVG220	Class II IP65 230-240V 50 Hz	Kaufel GmbH
LU1LB1E	Lutia LED ESC 230V	Class II IP65 230-240V 50 Hz	Emergi-Lite UK
65760250	LTA-CLO	Class II IP65 230-240V 50 Hz	Van Lien NL + BE

### 230V FLX

Part code	Product description	Ratings	Branded as
65760253/20	Lutia 975 W/D FLX	Class II IP65 230-240V 50 Hz	Kaufel GmbH
65760253	LTA-CLO/FLX	Class II IP65 230-240V 50 Hz	Van Lien NL + BE

### 230V LTC

Part code	Product description	Ratings	Branded as
LTCLU1LB1E	Lutia LED ESC 230V LTC	Class II IP65 230-240V 50 Hz	Emergi-Lite UK

