

**OVE Austrian Electrotechnical Association**  
Eschenbachgasse 9, 1010 Wien, Austria  
ZVR: 327279890 | DVR: 1055887 | www.ove.at

**OVE Testing & Certification**  
Kahlenberger Str. 2A, 1190 Wien, Austria  
T +43 1 370 58 06 | F +43 1 370 58 06-199



ENEC Certification Body registered under ID # 11.

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# LICENCE

to use the European Mark



Licence No. **80585-007**

Date of issue: Wien, 2016 12 23

OVE the Austrian Electrotechnical Association as signatory to the **"Agreement on the use of a commonly agreed Mark of Conformity for certain electrical equipment complying with European Standards"** hereby grants the right to label the products mentioned hereunder and listed in the Annex with the Mark(s) shown above to the following company

Licenceholder: **THORN**  
Route de Paix  
27705 Les Andelys  
France

Product: **Luminaires for road and street lighting**

Trade Mark: **THORN**

Series/Type: **Urba**

Basis for this given right is the conformity of the products with the requirements of the relevant Standard(s) as listed in the Annex and the fulfilment of articles 8 and 9 of the ENEC-Agreement by the manufacturer. This licence refers to the tested specimen and to all products manufactured strictly identical to the submitted one.

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

**Österreichischer Verband für Elektrotechnik**  
Head of Testing & Certification

Digitally signed by W. Martin  
Email=[w.martin@ove.at](mailto:w.martin@ove.at)  
Dipl.-Ing. W. Martin



## **OVE Testing & Certification**

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under [www.en.bmwf.gv.at/accreditation](http://www.en.bmwf.gv.at/accreditation)



<p><i>Hersteller</i> <i>Manufacturer</i></p>	<p><b>THORN</b> <b>Route de Paix</b> <b>27705 Les Andelys</b> <b>France</b></p>
<p><i>Fertigungsstätte(n)</i> <i>Factory location(s)</i></p>	<p><b>THORN</b> <b>Route de Paix</b> <b>27705 Les Andelys</b> <b>France</b></p>
<p><i>Typenbezeichnung</i> <i>Type reference</i></p>	<p><b>URBA S ... CL1 ...</b> <b>URBA L ... CL1 ..., see page 5</b></p>
<p><i>Prüfbericht</i> <i>Test Report</i></p>	<p><b>TR 80585-0004-01 ECS</b></p>
<p><i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i></p>	<p><b>ÖVE/ÖNORM EN 60598-1:2015-11-01</b> <b>ÖVE/ÖNORM EN 60598-2-3:2012-01-01</b></p>
<p><i>Europannorm(en)</i> <i>European Standard(s)</i></p>	<p><b>EN 60598-1:2015</b> <b>EN 60598-2-3:2003 + A1:2011</b></p>
<p><i>Ersatz für Zertifikat</i> <i>Superseded licence</i></p>	<p>--</p>
<p><i>Anmerkung(en)</i> <i>Remark(s)</i></p>	<p><b>Classified as risk group 2 (moderate risk) according EN 62471:2008.</b> <b>The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 1,0 m is not expected.</b></p> <p><b>SMT-procedure.</b></p>

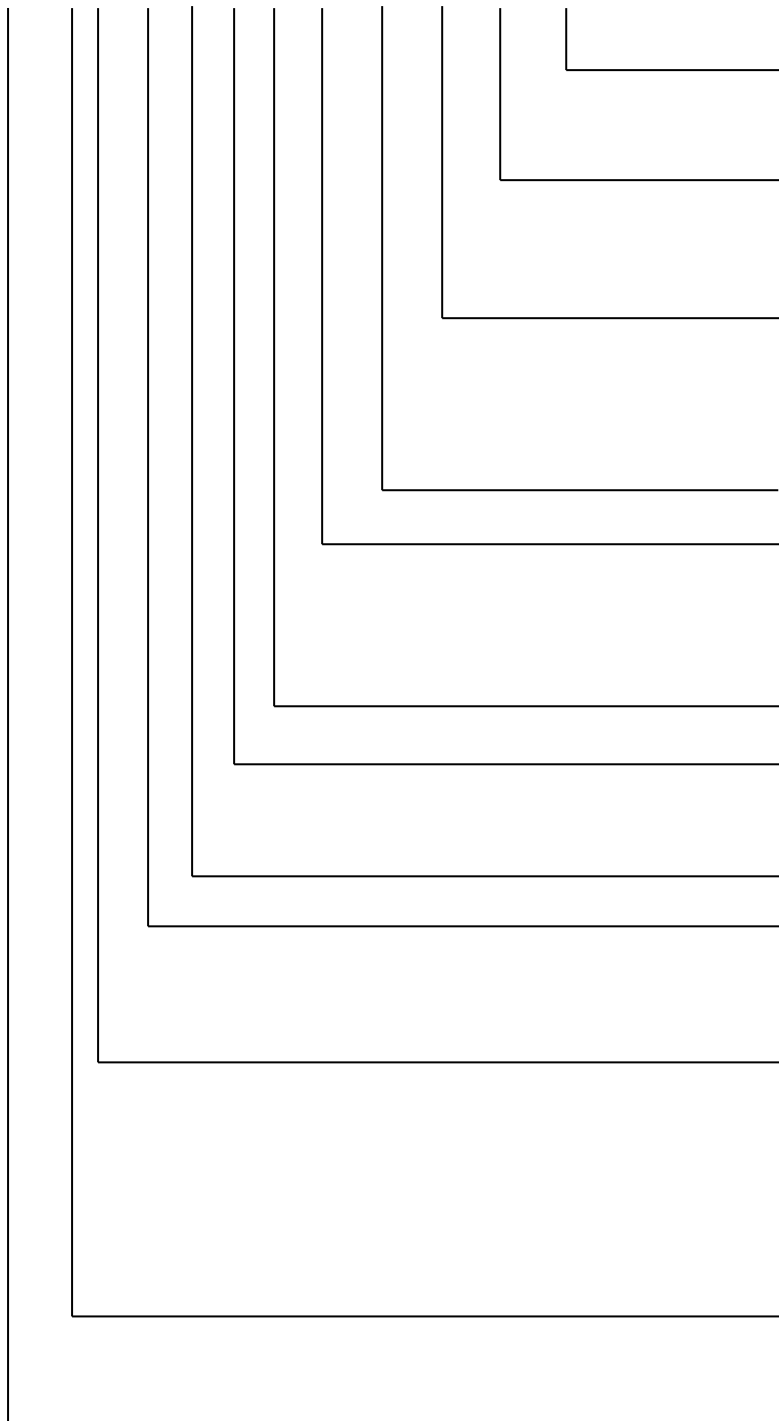
<i>Nennspannung</i> <i>Rated voltage</i>	<b>230/240V, 50/60Hz</b>
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	<b>URBA S 12L ...: 1x LED module R12</b> <b>URBA S 24L ...: 2x LED module R12</b> <b>URBA S 36L ...: 1x LED module R36</b> <b>URBA L 48L ...: 4x LED module R12</b> <b>URBA L 60L ...: 2x LED module R12</b> <b>+ 1x LED module R36</b> <b>URBA L 72L ...: 3x LED module R12</b> <b>+ 1x LED module R36</b> <b>URBA L 84L ...: 1x LED module R12</b> <b>+ 2x LED module R36</b>
<i>Lampentyp(en)</i> <i>Lamp identification</i>	<b>LED modules R12 (12 LEDs) and R36 (36 LEDs)</b>
<i>Schutzgrad</i> <i>Degree of protection</i>	<b>IP66</b>
<i>Netzanschluß</i> <i>Supply connection</i>	<b>Screw terminals</b>
<i>Befestigungsfläche</i> <i>Supporting surface</i>	<b>Normally flammable surface</b>
<i>Schutzklasse</i> <i>Class of protection</i>	<b>CI.I</b>
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	<p><b>LED urban street lighting lantern with 12 to 36 LEDs (Small size) and 48 to 84 LEDs (Large size). Housing made of die-cast aluminium, textured dark grey or black with tempered flat glass (fracture in small pieces). IK09 (IK08 for prismatic glass).</b></p> <p><b>Post-Top Ø60 and 76mm spigot or Side entry mounting with adjustable tilt angles of 0°, -5°, -10°.</b></p> <p><b>Integral power reduction function which dims down to 50% power, effective 3 hours before and 5 hours after a calculated midnight.</b></p>
<i>Zusatzinformation</i> <i>Additional information</i>	<b>Certified for LED modules driven at max. 700mA.</b>

<i>Bauteil Component</i>	<i>Code Code</i>	<i>Hersteller Manufacturer</i>	<i>Typenbezeichnung Type Reference</i>	<i>Konformitätszeichen Mark(s) of conformity</i>
LED Module	<b>B</b>	<b>THORN</b>	<b>LEM R12</b>	<b>ÖVE</b>
	<b>B</b>	<b>THORN</b>	<b>LEM R36</b>	<b>ÖVE</b>
<i>LED control gear</i>	<b>B</b>	<b>Osram</b>	<b>OT 40W 4DIM</b>	<b>ENEC 10</b>
	<b>B</b>	<b>Osram</b>	<b>OT 60W 4DIM</b>	<b>ENEC 10</b>
	<b>B</b>	<b>Osram</b>	<b>OT 90W 4DIM</b>	<b>ENEC 10</b>
	<b>B</b>	<b>Osram</b>	<b>OT 165W 4DIM</b>	<b>ENEC 10</b>
<i>Terminals</i>	<b>A</b>	<b>Electro Terminal</b>	<b>SLK3 450V, 24A, T110</b>	<b>ENEC 10</b>
	<b>A</b>	<b>BJB</b>	<b>46.412 450V, 24A, T85</b>	<b>ENEC 10</b>
<i>Internal wiring</i>	<b>B</b>	<b>BLF</b>	<b>SIL/0100 300V; 0,75mm<sup>2</sup>; 180°C</b>	<b>VDE</b>
	<b>B</b>	<b>Omerin</b>	<b>RECSC; 300V, 180°C</b>	<b>VDE</b>
<i>External wiring</i>	<b>A</b>	<b>Interchangeable</b>	<b>H07RN-F 1,5mm<sup>2</sup></b>	<b>HAR</b>
<i>Power switch</i>	<b>A</b>	<b>OMT</b>	<b>0125; 250V, 10A, T120</b>	<b>IMQ</b>
	<b>A</b>	<b>OMT</b>	<b>0127; 250V, 16A, T120</b>	<b>IMQ</b>
<i>Gland</i>	<b>A</b>	<b>BLM</b>	<b>BM-22L PA6, IP68, 80°C</b>	<b>VDE</b>

- A The component is replaceable with another one, also certified, with equivalent characteristics.  
 B The component is replaceable if authorised by the test house.  
 C Integrated component tested together with the appliance.  
 D Alternative component.

Typecode:

URBA . . . L . . . . . CL1 . . . . . L...



**Photometric code**

730 ..... 3000K, CRI 70  
740 ..... 4000K, CRI 70

**Mounting Adaptor**

MTP60 ..... Post Top D60mm  
MTP76 ..... Post Top D76mm  
MLE ..... Lateral D60mm

**Pre-Wiring**

W8M ..... Pre-wired 8m (Small size)  
W10M ..... Pre-wired 10m (Large size)  
WxM ..... Pre-wired xm  
- ..... Without cable

**Protection class I**

**Bi-Power light reduction**

BP ..... Bi-Power  
BPL ..... Bi-Power Line Switch  
LRT ..... Light Reduction Twin Phase  
HFX ..... DALI

CLO ..... Constant Light Output

**Colour**

GY ..... Grey anthracit with clear glass  
BK ..... Black with dichroic glass

**Optics**

**Current of LED module**

35 ..... 350mA  
50 ..... 500mA  
70 ..... 700mA

**Number of LEDs**

12L ..... 12 LEDs (Small size)  
24L ..... 24 LEDs (Small size)  
36L ..... 36 LEDs (Small size)  
48L ..... 48 LEDs (Large size)  
60L ..... 60 LEDs (Large size)  
72L ..... 72 LEDs (Large size)  
84L ..... 84 LEDs (Large size)

**Size**

S ..... Small size  
L ..... Large size

**Series Urba**