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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
Rev. No.: 01 Wien, 2022 12 13

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: **ZG Lighting France**
Route de Paix
27700 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 OVE Certification

Digitally signed by T. Neumayer
Email=t.neumayer@ove.at

Dipl.-Ing. T. Neumayer



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* <i>Hersteller</i> <i>Manufacturer</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
* <i>Fertigungsstätte(n)</i> <i>Factory location(s)</i>	ZG Europhane Route de Paix 27700 Les Andelys France
<i>Typenbezeichnung</i> <i>Type reference</i>	URBA S ... CL1 ... URBA L ... CL1 ..., see page 5
* <i>Prüfbericht</i> <i>Test Report</i>	TR 80585-0004-01 ECS TR 80585-0033-01 ECS
* <i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i>	OVE EN IEC 60598-1:2022-04-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01
* <i>Europannorm(en)</i> <i>European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-3:2003 + A1:2011
* <i>Ersatz für Zertifikat</i> <i>Superseded licence</i>	80585-007 dated 2016 12 23 Items modified are marked with an asterisk (*)
* <i>Anmerkung(en)</i> <i>Remark(s)</i>	--

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* <i>Nennspannung</i> <i>Rated voltage</i>	230-240V, 50-60Hz
* <i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	URBA S 12L ...: 1x LED module LEM R12 URBA S 24L ...: 2x LED module LEM R12 URBA S 36L ...: 1x LED module LEM R36 URBA L 48L ...: 4x LED module LEM R12 URBA L 60L ...: 2x LED module LEM R12 + 1x LED module LEM R36 URBA L 72L ...: 3x LED module LEM R12 + 1x LED module LEM R36 URBA L 84L ...: 1x LED module LEM R12 + 2x LED module LEM R36
* <i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules LEM R12 (12 LEDs) and LEM R36 (36 LEDs) at max. 700mA.
<i>Schutzgrad</i> <i>Degree of protection</i>	IP66
<i>Netzanschluss</i> <i>Supply connection</i>	Screw terminals
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface
<i>Schutzklasse</i> <i>Class of protection</i>	CI.I
* <i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	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).
* <i>Zusatzinformation</i> <i>Additional information</i>	Classified as risk group 2 (moderate risk) according to EN 62471:2008. The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 1,0 m is not expected.

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<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	A*	THORN	LEM R12 320V; 1050mA; tc=105°C; RG2	ÖVE
*	A*	THORN	LEM R36 320V; 1050mA; tc=105°C; RG2	ÖVE
<i>LED control gear</i>	B	Osram	OT 40W 4DIM	ENEC 10
	B	Osram	OT 60W 4DIM	ENEC 10
	B	Osram	OT 90W 4DIM	ENEC 10
	B	Osram	OT 165W 4DIM	ENEC 10
<i>Terminals</i>	A	Electro Terminal	SLK3 450V, 24A, T85	ENEC 10
	A	BJB	46.412 450V, 24A, T85	ENEC 10
<i>Internal wiring</i>	B	BLF	SIL/0100 300V; 0,75mm ² ; 180°C	VDE
	*	BLF	SilHSil U 300V; 180°C	VDE
	B	Omerin	RECSC; 300V, 180°C	VDE
<i>External wiring</i>	A	Interchangeable	H07RN-F 3G1,5; 5G1,5	HAR
<i>Power switch</i>	A	OMT	0125; 250V, 10A, T120	IMQ
	A	OMT	0127; 250V, 16A, T120	IMQ
* <i>Gland</i>	A	Bimed	BM22-L / BLMN-22 PA6, IP68, 100°C	VDE

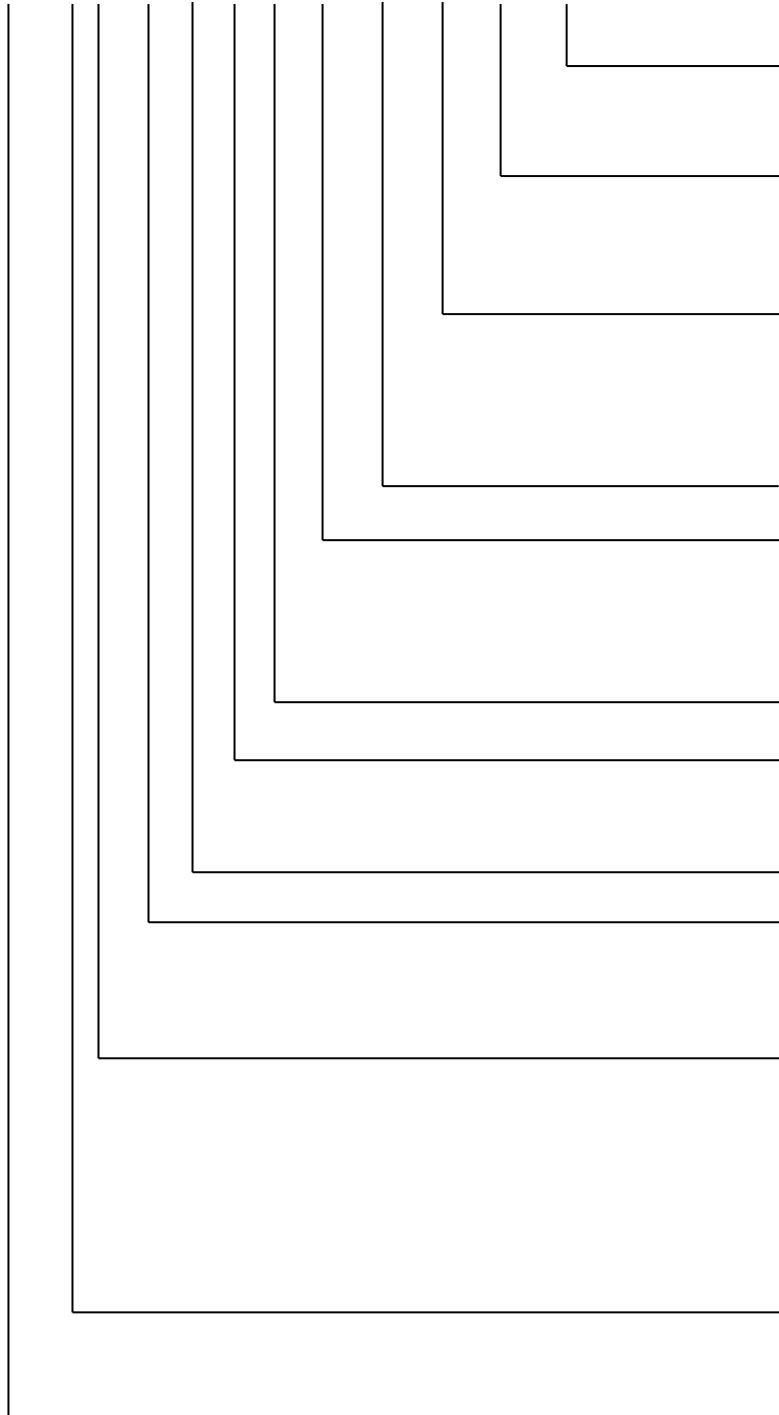
A The component is replaceable with another one, also certified, with equivalent characteristics.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057
B The component is replaceable if authorised by the test house.
C Integrated component tested together with the appliance.
D Alternative component.

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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

ANT 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

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