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OVE Testing and Certification
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ENEC Certification Body registered under ID # 11.

Validity of ENEC Licences can be checked at www.enec.com

LICENCE

to use the European Mark



Licence No.: **85175-030**

Date of issue: Wien, 2019 11 15

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 Lighting Ltd**
Durhamgate, Spennymoor,
County Durham
DL16 6HL
United Kingdom

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

Trade Mark: **THORN**

Series/Type: **R2L2 XS**

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 and Certification

Digitally signed by W. Martin
Email=w.martin@ove.at

Dipl.-Ing. W. Martin



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<i>Hersteller Manufacturer</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Fertigungsstätte(n) Factory location(s)</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Typenbezeichnung Type reference</i>	RX ..L ... CL1 ..., see also page 5.
<i>Prüfbericht Test Report</i>	TR 85175-0033-01 ECS
<i>Nationale Bestimmung(en) National Standard(s)</i>	OVE EN 60598-1:2018-11-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01
<i>Europannorm(en) European Standard(s)</i>	EN 60598-1:2015 + A1:2018 EN 60598-2-3:2003 + A1:2011
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	CTF Stage 3

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<i>Nennspannung</i> <i>Rated voltage</i>	AC 220-240V, 50/60Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	RX 12L: 1x LEM R12 RX 24L: 2x LEM R12 RX 36L: 1x RLE36
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules LEM R12 37W ... 49x147 (ILCOS: DSL) and RLE36 ... 149x147 (ILCOS: DSH)
<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 luminaires for road and street lighting, fitted with LED modules and optical clusters for light distribution. There are 2 mounting points post top and side entry. Enclosure: Flat Glass is screwed via corner pieces and compressed against gasket. Material: Die cast aluminium.
<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 2 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>
<i>LED control gear</i>	B	Tridonic	LCA 120W C PRE OTD	ENEC 11
	B	Tridonic	LCA 75W C PRE OTD	ENEC 11
	B	Tridonic	LCA 60W C PRE OTD	ENEC 11
	B	Tridonic	LCA 30W C PRE OTD	ENEC 11
	B	Osram	OT DX 75/220-240/1A0 DIMA LT2 E	ENEC 10
	B	Osram	OT DX 40/220-240/1A0 DIMA LT2 E	ENEC 10
<i>SPD</i>	B	Citel	MLPC1-230L-5	CB_HU-001850
<i>Terminals</i>	A	Electro Terminal	SLK 3 450V, 24A, T110	ENEC 10
<i>Internal wiring</i>	A	BLF	SIL0100 U 300V; 0,75mm²; 180°C	VDE
	A	BLF	SilHSil U 300V; 0,75mm²; 180°C	VDE
<i>Mains supply cable</i>	A	Interchangeable	H07RN-F	HAR
<i>Cable Gland</i>	A	Bimed Technic	BMOS-EU-22 IP 66; 100°C	VDE
<i>LED Modules</i>	A*	Thorn	LEM R12... max. 1050mA; RG2; Tc=105°C	ÖVE
	A*	Thorn	RLE36... max. 1050mA; RG2; Tc=105°C	ÖVE
<i>Disconnecter</i>	B	OMT	0136 250V, 6A, 140°C	IMQ
<i>NEMA socket</i>	B	Tyco	PN7 2213627-2	CB US-32907-A1-UL
<i>ZHAGA socket</i>	B	Tyco	2213858-1	CB US-34131-UL

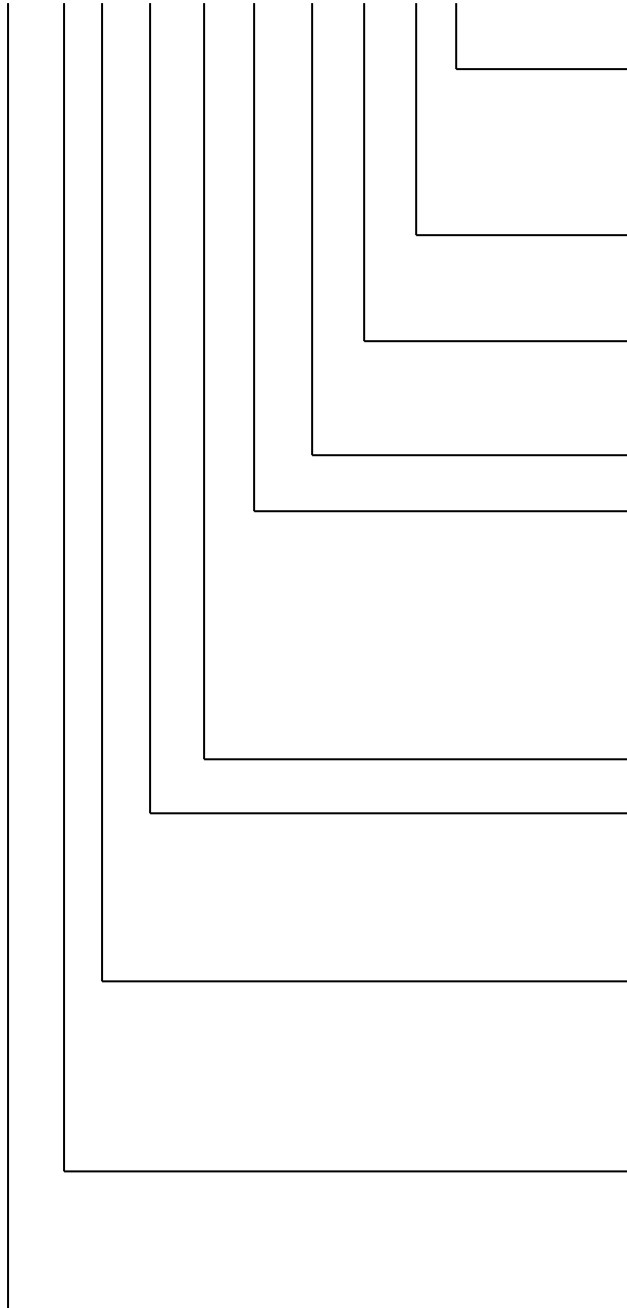
A The component is replaceable with another one, also certified, with equivalent characteristics.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057.
B The component is replaceable if authorised by the test house.
C Integrated component tested together with the appliance.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

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Typecode:

RX - **CL1**



Colour

- GYLight Grey, white mask
- ANTAnthracite, white mask
- BK.....Black, white mask
- Rxxxx....RALxxxx, white mask

Wiring

- D6, D8, D10.....Pre-wired 6, 8 or 10m, 5-pole 1,5mm²
- W6, W8, W10.....Pre-wired 6, 8 or 10m, 5-pole 1,5mm²

Mounting

- MLESpigot Lateral
- MTPSpigot Post Top

CL1.....Protection class I

Options

- CLOConstant Light Output
- BPSBi-Power switch (On/Off)
- BPBi-Power
- BPL.....Bi-Power Power Line
- LRT.....Light Reduction Twin phases
- HFXDALI dimmable
- SPSurge protection device

Optics

Photometric code

- 730.....3000K, CRI 70
- 740.....4000K, CRI 70
- 830.....3000K, CRI 80
- 840.....4000K, CRI 80

Current of LED module

- 35.....350mA
- 50.....500mA
- 70.....700mA
- 85.....850mA
- 105.....1050mA

Number of LEDs

- 12L.....12 LEDs
- 24L.....24 LEDs
- 36L.....36 LEDs

Series R2L2

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