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ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No. **80585-006**

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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: **Luminares for road and street lighting**

Trade Mark: **THORN**

Series/Type: **CivITEQ Large**

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.

Austrian Electrotechnical Association
Head of Testing & Certification

Digitally signed by W. Martin
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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



<p><i>Hersteller</i> <i>Manufacturer</i></p> <p><i>Fertigungsstätte(n)</i> <i>Factory location(s)</i></p>	<p>THORN Route de Paix 27705 Les Andelys France</p> <p>Thorn Lighting Ltd Durhamgate, DL16 6HL, Spennymoor, County Durham United Kingdom</p>
<p><i>Typenbezeichnung</i> <i>Type reference</i></p>	<p>CQ48L...CL2... CQ60L...CL2... CQ72L...CL2..., see page 4/4 of Annex</p>
<p><i>Prüfbericht</i> <i>Test Report</i></p> <p><i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i></p> <p><i>Europannorm(en)</i> <i>European Standard(s)</i></p>	<p>TR 80585-0002-02 ECS</p> <p>ÖVE/ÖNORM EN 60598-1:2015-11-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01</p> <p>EN 60598-1:2015 EN 60598-2-3:2003 + A1:2011</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Superseded licence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>Classified as risk group 2 (moderate risk) according EN 62471:2008. The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 1,5 m is not expected.</p> <p>SMT-procedure</p>

<i>Nennspannung</i> <i>Rated voltage</i>	220-240V, 50-60Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	CQ48L: 4x LED module with 12 LEDs CQ60L: 1x LED module with 36 LEDs + 2x LED module with 12 LEDs CQ72L: 2x LED module with 36 LEDs
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules RLE49 (12 LEDs) or RLE149 (36 LEDs)
<i>Schutzgrad</i> <i>Degree of protection</i>	IP66
<i>Netzanschluß</i> <i>Supply connection</i>	Screwless terminals
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface
<i>Schutzklasse</i> <i>Class of protection</i>	CI.II
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Large size LED road lighting lantern with 48 to 72 LEDs with several optic. Housing made of die-cast Aluminium. Enclosure with toughened flat glass (fracture in small pieces). Supplied with Ø60mm spigot adaptor which can be fitted for post-top (0°/5°/10° tilt) or side-entry (-20°/-15°/-10°/-5°/0° tilt).
<i>Zusatzinformation</i> <i>Additional information</i>	Certified for LED modules driven at max. 700mA.

<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	THORN	STARK RLE49	ÖVE
	B	THORN	STARK RLE149	ÖVE
LED control gear	B	Osram	OT 90W 4DIM	ENEC 10
	B	Osram	OT 165W 4DIM	ENEC 10
Terminals	A	Electro Terminal	SLK/3; 450V, 24A, T110	ENEC 10
	A	Adels	1000K; 500V, 41A, T85	ENEC 10
Internal wiring	A	Draka	FQ 105C; 300/500V, 105°C	SEMKO
	A	Omerin	H05SJ-K	HAR
	B	Omerin	RECSC; 300/300V, 180°C	VDE
External wiring	A	Several	H07RN-F	HAR
Power switch	A	OMT	0125; 250V, 10A, T120	IMQ
	A	OMT	0127; 250V, 16A, T120	IMQ
Fuse holder	A	Stucchi	682/A; 250V, 6,3A, T70	IMQ
Cable gland	A	Bimed	BM22-L / BLMN-22; PA-6, IP68, 100°C	VDE

- 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:

CQ	L	-	CL2	M	R
					<p>Colour of luminaire Rxxxx RALxxxx</p> <p>GY Light grey full body WH/ANT Anthracit body & white mask for LEDs</p> <p>Mounting Adaptor Setup MTP60F, MTP76F, MLE42E, MLE60E, ...</p> <p>Pre-Wiring 6M 6m pre-wired 8M 8m pre-wired D8M 8m pre-wired</p> <p>6F 6A fuse</p> <p>HFX DALI dimmable</p> <p>ADC Automatic Disconnection</p> <p>Mounting Adaptor M42 D42mm M60 D60mm M76 D76mm</p> <p>Protection class II</p> <p>CLO Constant Light Output L90</p> <p>Bi-Power light reduction BPS Bi-Power Switch BPx-xx Bi-Power BPL Bi-Power Line switch LRT Light Reduction Twin phases</p> <p>Optics</p> <p>Photometric code 730 3000K, CRI 70 740 4000K, CRI 70 757 5700K, CRI 70</p> <p>Current of LED module 35 350mA 50 500mA 70 700mA</p> <p>Number of LEDs 48L 48 LEDs 60L 60 LEDs 72L 72 LEDs</p> <p>Series CivITEQ</p>