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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**

Date of issue: Wien, 2016 09 22
Rev. No. 01 Wien, 2018 11 30

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: **Luminaire for road and street lighting**

Trade Mark: **THORN**

Series/Type: **CivITEQ ... CL2**

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
Dipl.-Ing. W. Martin



OVE Testing & Certification

Accredited by the Federal Ministry for Digital and Economic Affairs as Certification Body for products within the scope as given in the official decree and published under www.bmdw.gv.at/akkreditierung.



<p>* <i>Hersteller</i> <i>Manufacturer</i></p>	<p>Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom</p>
<p>* <i>Fertigungsstätte(n)</i> <i>Factory location(s)</i></p>	<p>Europhane SAS Route de Paix 27700 Les Andelys France</p>
<p>* <i>Typenbezeichnung</i> <i>Type reference</i></p>	<p>CQ12L...CL2... CQ24L...CL2... CQ36L...CL2... CQ48L...CL2... CQ60L...CL2... CQ72L...CL2..., see type code on page 5.</p>
<p>* <i>Prüfbericht</i> <i>Test Report</i></p>	<p>TR 80585-0013-02 ECS</p>
<p><i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i></p>	<p>ÖVE/ÖNORM EN 60598-1:2015-11-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01</p>
<p><i>Europannorm(en)</i> <i>European Standard(s)</i></p>	<p>EN 60598-1:2015 EN 60598-2-3:2003 + A1:2011</p>
<p>* <i>Ersatz für Zertifikate</i> <i>Superseded licences</i></p>	<p>80585-004 dated 2016 07 22 and 80585-006 dated 2016 09 22. Items modified are marked with an asterisk (*)</p>
<p>* <i>Anmerkung(en)</i> <i>Remark(s)</i></p>	<p>Classified as risk group 2 according to 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>CTF Stage 3.</p>

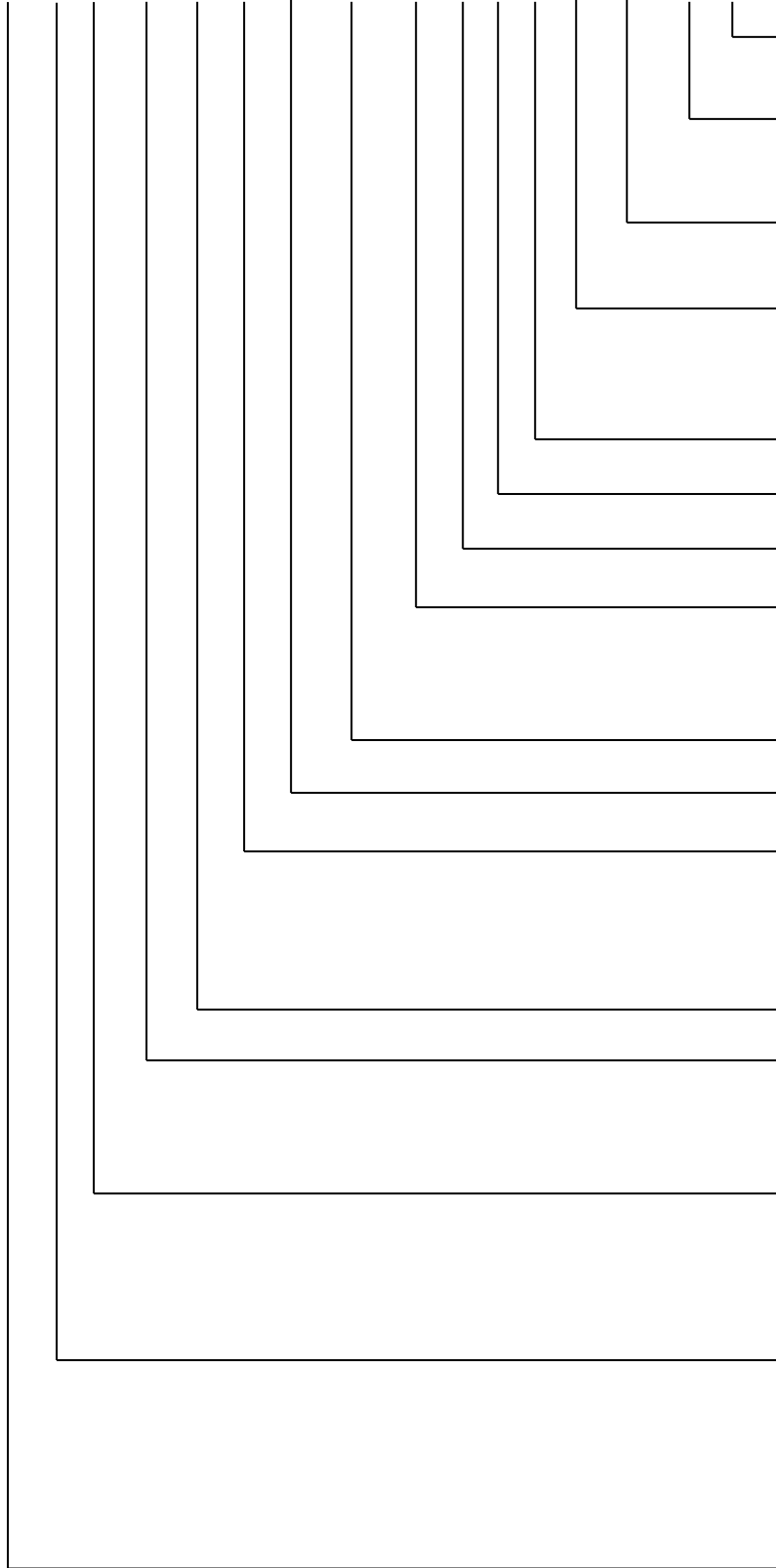
* <i>Nennspannung</i> <i>Rated voltage</i>	230-240V 50Hz or 220-240V 50-60Hz
* <i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	CQ12L: 1x LED module with 12 LEDs CQ24L: 2x LED module with 12 LEDs CQ36L: 1x LED module with 36 LEDs CQ48L: 4x LED module with 12 LEDs CQ60L: 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 RLE12 (12 LEDs) or RLE36 (36 LEDs)
<i>Schutzgrad</i> <i>Degree of protection</i>	IP66
* <i>Netzanschluss</i> <i>Supply connection</i>	Srew or 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>	LED road lighting lantern with 12 to 72 LEDs with several optic. Housing made of die-cast Aluminium, powder coated light grey or anthracit. Enclosure with toughened flat glass (fracture in small pieces). Supplied with 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. 1050mA (CQ12L and CQ24L) or max. 700mA for CQ36L to CQ72L).

<i>Bauteil</i> <i>Component</i>	<i>Code</i> <i>Code</i>	<i>Hersteller</i> <i>Manufacturer</i>	<i>Typenbezeichnung</i> <i>Type Reference</i>	<i>Konformitätszeichen</i> <i>Mark(s) of conformity</i>
* LED Module	A*	THORN	RLE12 1050mA, 500V, tc 105°C, RG2	ÖVE
*	A*	THORN	RLE36 1050mA, 500V, tc 105°C, RG2	ÖVE
<i>LED control</i>	B	Osram	OT 90W 4DIM	ENEC 10
* <i>gear</i>	B	Tridonic	LCA 30W ... one4all C PRE OTD	ENEC 11
*	B	Tridonic	LCA 60W ... one4all C PRE OTD	ENEC 11
*	B	Tridonic	LCA 75W ... one4all C PRE OTD	ENEC 11
*	B	Tridonic	LCA 120W ... one4all C PRE OTD	ENEC 11
*	B	Tridonic	LCA 160W ... one4all C PRE OTD	ENEC 11
<i>Terminals</i>	A	Electro Terminal	SLK/3; 450V, 24A, T110	ENEC 10
	A	Adels	1000K; 500V, 41A, T85	ENEC 10
<i>Internal wiring</i>	A	Draka	FQ 105C; 300/500V, 105°C	SEMKO
	A	Omerin	H05SJ-K	HAR
	B	Omerin	RECSC; 300/300V, 180°C	VDE
<i>External wiring</i>	A	Several	H07RN-F	HAR
<i>Power switch</i>	A	OMT	0125; 250V, 10A, T120	IMQ
	A	OMT	0127; 250V, 16A, T120	IMQ
<i>Fuse holder</i>	A	Stucchi	682/A; 250V, 6,3A, T70	IMQ
<i>Cable gland</i>	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.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH OD-5002-3:2015
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....



- Colour of luminaire**
Rxxxx RALxxxx
- GY** Light grey full body
- WH/ANT** Anthracit body & white mask for LEDs
- Mounting Adaptor Setup**
MTP60F, MTP76F, MLE42E, MLE60E, ...
- Pre-Wiring**
6M 6m pre-wired
8M 8m pre-wired
D8M 8m pre-wired 5G DE
- 6F** 6A fuse
- HFX** DALI dimmable
- ADC** Automatic Disconnection
- Mounting Adaptor**
M42 D42mm
M60 D60mm
M76 D76mm
- Protection class II**
- CLO** Constant Light Output L90
- Bi-Power light reduction**
BPS Bi-Power Switch
BPx-xx Bi-Power
BPL Bi-Power Line switch
LRT Light Reduction Twin phases
- Optics**
- Photometric code**
730 3000K, CRI 70
740 4000K, CRI 70
757 5700K, CRI 70
- Current of LED module**
35 350mA
50 500mA
70 700mA
105 1050mA (CQ12L and CQ24L only)
- Number of LEDs**
12L 12 LEDs
24L 24 LEDs
36L 36 LEDs
48L 48 LEDs
60L 60 LEDs
72L 72 LEDs
- Series CivITEQ**