

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



**OVE Testing and Certification**  
Kahlenberger Str. 2A | 1190 Wien | Austria  
T +43 1 370 58 06 | puz@ove.at

ENEC Certification Body registered under ID # 11.

Validity of ENEC Licences can be checked at [www.enec.com](http://www.enec.com)

# LICENCE

to use the European Mark



Licence No.: **80585-021**

Date of issue: Wien, 2019 06 26

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: **DYANA LED 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 and Certification

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

Dipl.-Ing. W. Martin



## OVE Testing and 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](http://www.bmdw.gv.at/akkreditierung).



<i>Hersteller Manufacturer</i>	<b>Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom</b>
<i>Fertigungsstätte(n) Factory location(s)</i>	<b>Europhane SAS Route de Paix 27700 Les Andelys France</b>
<i>Typenbezeichnung Type reference</i>	<b>DYANA LED 12L...CL2... DYANA LED 24L...CL2... DYANA LED 36L...CL2... DYANA LED 48L...CL2... DYANA LED 60L...CL2..., see type code on page 5.</b>
<i>Prüfbericht Test Report</i>	<b>TR 80585-0015-02 ECS</b>
<i>Nationale Bestimmung(en) National Standard(s)</i>	<b>OVE EN 60598-1:2018-11-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01</b>
<i>Europannorm(en) European Standard(s)</i>	<b>EN 60598-1:2015 + A1:2018 EN 60598-2-3:2003 + A1:2011</b>
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	<b>CTF Stage 3.</b>

## OVE Testing and 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](http://www.bmdw.gv.at/akkreditierung).

<i>Nennspannung</i> <i>Rated voltage</i>	<b>220-240 V, 50-60 Hz</b>
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	<b>DYANA LED 12L: 1x LED module with 12 LEDs DYANA LED 24L: 2x LED module with 12 LEDs DYANA LED 36L: 1x LED module with 36 LEDs DYANA LED 48L: 4x LED module with 12 LEDs DYANA LED 60L: 1x LED module with 36 LEDs + 2x LED module with 12 LEDs</b>
<i>Lampentyp(en)</i> <i>Lamp identification</i>	<b>LED modules LEM R12 (12 LEDs) or LEM 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.II</b>
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	<b>LED luminaires with several light distributions and electronic control gears. Body, canopy and spigot made of die-cast aluminium with textured dark grey finish. Enclosure: 5mm thick, toughened glass (fracture in small pieces). Mounting: Ø60mm side entry with 0° tilt. Adjustable to -5° tilt or post-top with 5° or 10° tilt. Enclosure: Flat glass (fracture in small pieces)</b>
<i>Zusatzinformation</i> <i>Additional information</i>	<b>Classified as risk group 2 (moderate risk) according to EN 62471:2008.</b>  <b>The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 2 m is not expected.</b>

## OVE Testing and 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](http://www.bmdw.gv.at/akkreditierung).

<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>B</b>	<b>Tridonic</b>	<b>LCA 30W</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCA 60W</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCA 75W</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCA 120W</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCA 160W</b>	<b>ENEC 11</b>
<i>LED Module</i>	<b>A*</b>	<b>THORN</b>	<b>LEM R12 max. 1050mA, RG2, tc=105°C</b>	<b>ÖVE</b>
	<b>A*</b>	<b>THORN</b>	<b>LEM R36 max. 1050mA, RG2, tc=105°C</b>	<b>ÖVE</b>
<i>Power switch</i>	<b>A</b>	<b>OMT</b>	<b>0127 250V, 16A, T120</b>	<b>IMQ</b>
	<b>A</b>	<b>OMT</b>	<b>0125 250V, 10A, T120</b>	<b>IMQ</b>
<i>Internal wiring</i>	<b>A</b>	<b>BLF</b>	<b>SIL 100 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>Terminals</i>	<b>A</b>	<b>Electro Terminal</b>	<b>SLK/3 450V, 24A, T110</b>	<b>ENEC 10</b>
<i>Gland</i>	<b>A</b>	<b>Bimed</b>	<b>BM22-L PA 6, IP68</b>	<b>VDE</b>
<i>External wiring</i>	<b>A</b>	<b>Nexans</b>	<b>H07RN-F 1,5mm<sup>2</sup></b>	<b>HAR</b>

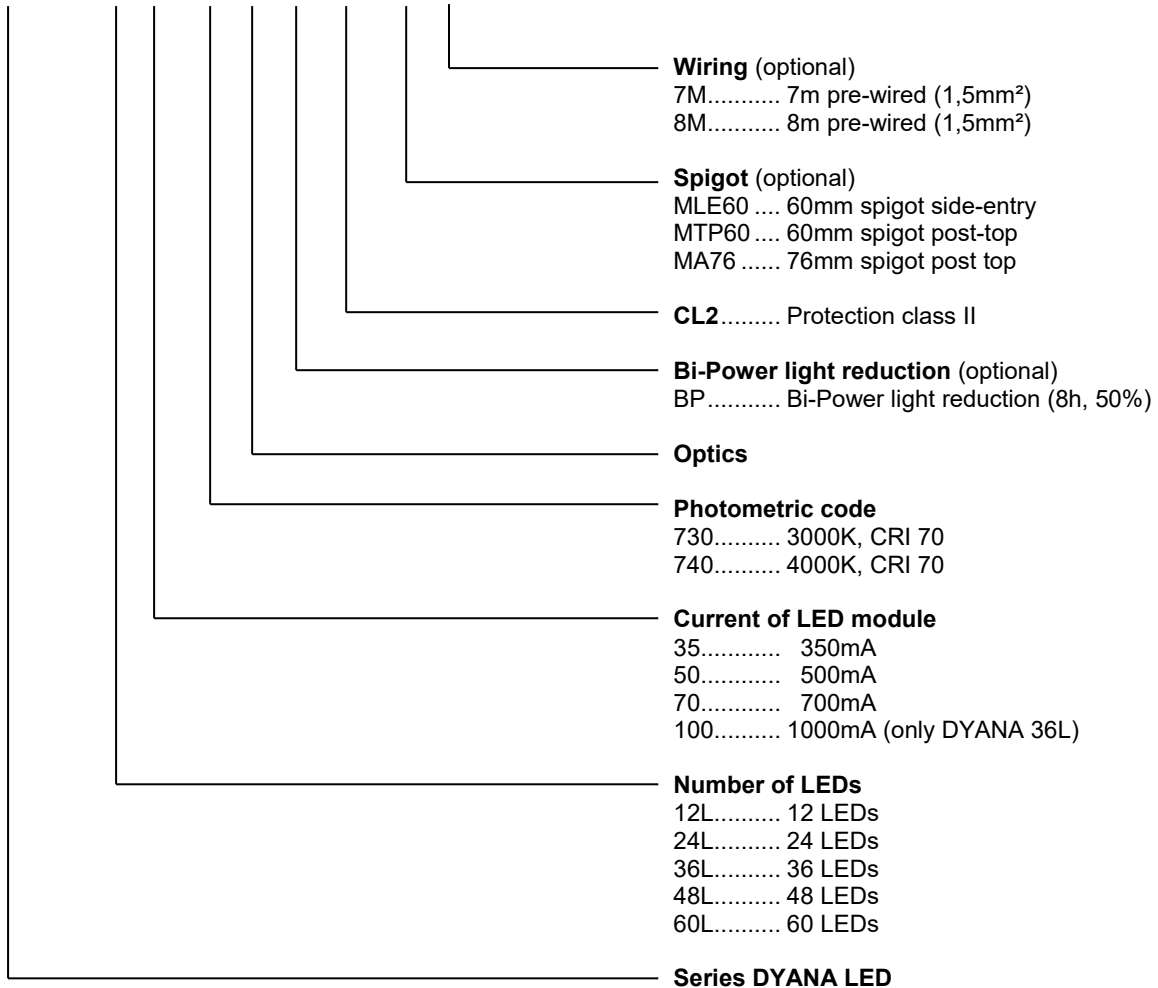
A The component is replaceable with another one, also certified, with equivalent characteristics.  
A\* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057  
B The component is replaceable if authorised by the test house.  
C Integrated component tested together with the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

## OVE Testing and 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](http://www.bmdw.gv.at/akkreditierung).

Typecode:

**DYANA LED** ..L... -... ... .. **CL2** ... ..



## OVE Testing and 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](http://www.bmdw.gv.at/akkreditierung).