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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](http://www.enec.com)

# LICENCE

to use the European Mark



Licence No.: **80585-027**

Date of issue: Wien, 2020 08 18

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: **Series AERIE (ARW ... CL1, ARS ... CL1)**

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>  <b>ZG Lighting SRB doo Ulica Cumtobel br. 1 18000 Nis Serbia, Republic of</b>
<i>Typenbezeichnung Type reference</i>	<b>AR. 12L ... CL1 ... AR. 18L ... CL1 ... AR. 24L ... CL1 ..., see type code on page 5.</b>
<i>Prüfbericht Test Report</i>	<b>TR 80585-0020-01 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>

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<i>Nennspannung</i> <i>Rated voltage</i>	<b>AC 220-240 V</b>
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	<b>1x LED module LEM R12, or 2x LED module LEM R12, or 1x LED module LEM H18.</b>
<i>Lampentyp(en)</i> <i>Lamp identification</i>	<b>Built-in LED modules with 12 LEDs each (LEM R12), or with 18 LEDs (LEM H18).</b>
<i>Schutzgrad</i> <i>Degree of protection</i>	<b>IP66</b>
<i>Netzanschluss</i> <i>Supply connection</i>	<b>External wiring</b>
<i>Befestigungsfläche</i> <i>Supporting surface</i>	<b>Normally flammable surface</b>
<i>Schutzklasse</i> <i>Class of protection</i>	<b>CI.I</b>
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	<b>Post top mounted LED lantern with different optics, spigot diameter 60 or 76 mm. Canopy and base made of die-cast powder coated aluminium. Enclosure made of UV-stabilized polycarbonate (PC). PC bowl in different designs: Slim (types ARS ...) or Wide (types ARW ...). Pre-wired with external cable.</b>
<i>Zusatzinformation</i> <i>Additional information</i>	<b>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 1,5 m is not expected.</b>

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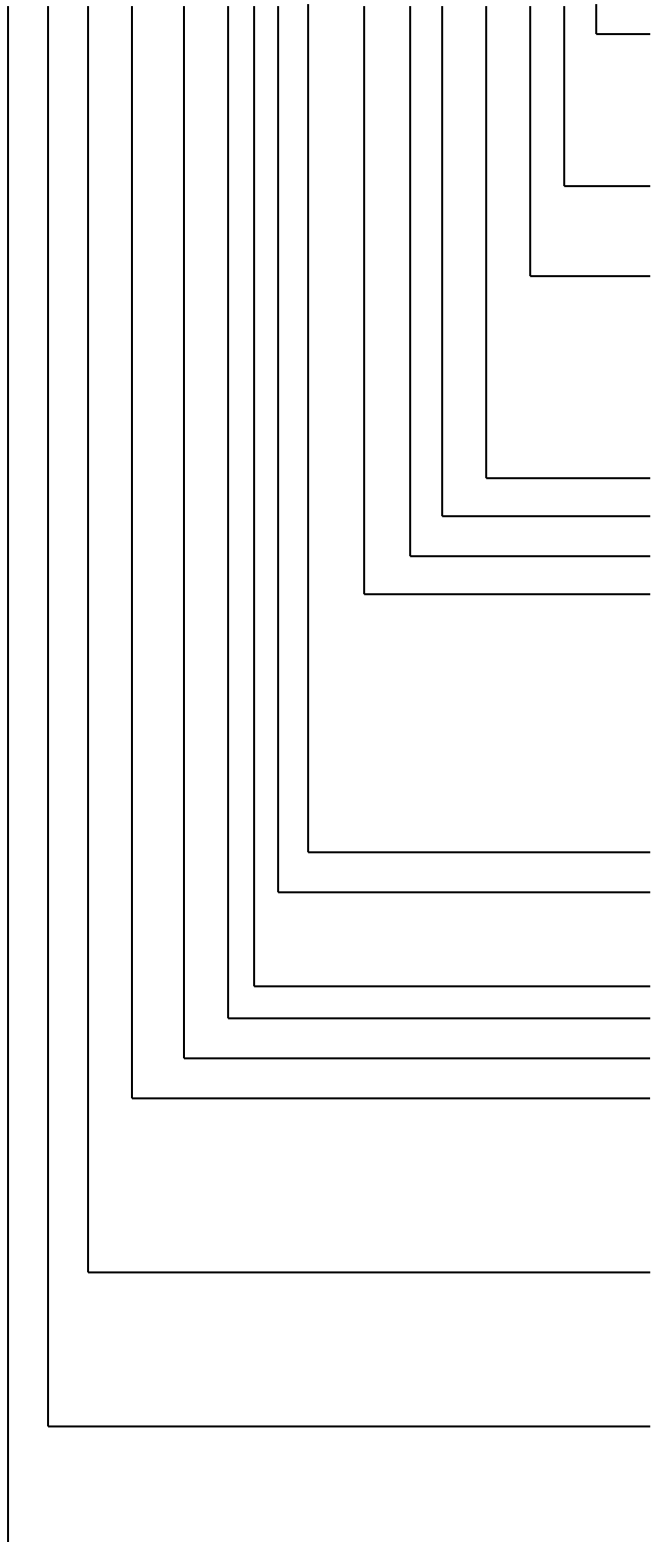
<i>Bauteil Component</i>	<i>Code Code</i>	<i>Hersteller Manufacturer</i>	<i>Typenbezeichnung Type Reference</i>	<i>Konformitätszeichen Mark(s) of conformity</i>
<i>LED control gear</i>	<b>B</b>	<b>Tridonic</b>	<b>LCO 40/200–1050/64</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCO 60/200–1050/100</b>	<b>ENEC 11</b>
<i>Internal wiring</i>	<b>B</b>	<b>Omerin</b>	<b>RECSC 300V; 180°C; double insulated</b>	<b>VDE</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 H18 max. 1050mA, RG2, tc=105°C</b>	<b>ÖVE</b>
<i>Terminals</i>	<b>A</b>	<b>Wago</b>	<b>224-112 400V; 24A; T105</b>	<b>VDE</b>
	<b>A</b>	<b>Electro Terminal</b>	<b>SLK/3 450V, 24A, T110</b>	<b>ENEC 11</b>
<i>SPD</i>	<b>B</b>	<b>Citel</b>	<b>MLPC1-230L-R</b>	<b>CB/HU-001850</b>
<i>Internal wiring</i>	<b>B</b>	<b>BLF</b>	<b>SIL/0100 300V; 0,75mm<sup>2</sup>; 180°C</b>	<b>VDE</b>
<i>Cable Gland</i>	<b>A</b>	<b>Bimed</b>	<b>BMOS-22 IP68, 100°C</b>	<b>VDE</b>
<i>External wiring</i>	<b>A</b>	<b>BizLink</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.

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**AR...L.....CL1.....**



**Colour**

- GY Light grey 150 sanded
- ANT Anthracite 900 sanded
- BK Black sanded
- R.... RAL....

**Mounting**

- T60.....post-top D60
- T76.....post-top D76

**Wiring**

- D5 .....Pre-wired, 5m
- D6 .....Pre-wired, 6m
- D8 .....Pre-wired, 8m
- W5 .....Pre-wired, 5m
- W6 .....Pre-wired, 6m
- W8 .....Pre-wired, 8m

**CL1** ..... Protection class I

**SP** ..... with Surge Protection Device (optional)

**HFX**..... DALI dimmable (optional)

**Bi-Power light reduction (optional)**

- BPL ..... Bi-Power Power Line
- LRT ..... Light Reduction Twin Phases
- BPS550..... Bi-Power 5h (-2h +3h) 50% reduction
- BPS750..... Bi-Power 7h (-3h +4h) 50% reduction
- BPS..... Bi-Power 8h (-3h +5h) 50% reduction
- BPS530..... Bi-Power 5h (-2h +3h) 30% reduction
- BPS730..... Bi-Power 7h (-3h +4h) 30% reduction
- BPS830..... Bi-Power 8h (-3h +5h) 30% reduction

**CLO** ..... Constant Light Output (optional)

**Bowl**

- CL .....clear
- OP.....opal
- PR**..... Prismatic/Comfort diffuser (optional)
- LV** ..... Internal louvre (optional)

**Optics**

**Photometric code**

- 827 .....2700K, CRI 80
- 730 .....3000K, CRI 70
- 830 .....3000K, CRI 80
- 740 .....4000K, CRI 70
- 840 .....4000K, CRI 80

**Current of LED module**

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

**Number of LEDs**

- 12L ..... 12 LEDs
- 18L ..... 18 LEDs
- 24L ..... 24 LEDs

**Series AERIE**

- ARW .....AERIE Wide version
- ARS .....AERIE Slim version

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