

**OVE Austrian Electrotechnical Association**  
Eschenbachgasse 9 | 1010 Wien | Austria  
ZVR: 327279890 | [www.ove.at](http://www.ove.at)



**OVE Certification**  
Kahlenberger Str. 2A | 1190 Wien | Austria  
T +43 1 370 58 06 | [certification@ove.at](mailto:certification@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.: **251-226**

Date of issue: Wien, 2022 10 04

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: **Zumtobel Lighting GmbH**  
Schweizer Str. 30  
6850 Dornbirn  
Austria

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

Trade Mark: **THORN**

Series/Type: **Plurio Direct**

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 OVE Certification

*T. Neumayer*

Digitally signed by T. Neumayer  
Email=[t.neumayer@ove.at](mailto:t.neumayer@ove.at)

Dipl.-Ing. T. Neumayer



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<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>ZG Europhane Route de Paix 27700 Les Andelys France</b>
<i>Typenbezeichnung Type reference</i>	<b>Series PLD..., see page 5</b>
<i>Prüfbericht Test Report</i>	<b>TR-251-0151-01 ECS</b>
<i>Nationale Bestimmung(en) National Standard(s)</i>	<b>OVE EN IEC 60598-1:2022-04-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01</b>
<i>Europannorm(en) European Standard(s)</i>	<b>EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-3:2003 + A1:2011</b>
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	<b>CTF Stage 2</b>

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<i>Nennspannung</i> <i>Rated voltage</i>	<b>223-240 V, 50-60 Hz</b>
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	<b>1x LEM H18...</b>
<i>Lampentyp(en)</i> <i>Lamp identification</i>	<b>LED modules at max. 1050 mA</b>
<i>Schutzgrad</i> <i>Degree of protection</i>	<b>IP66</b>
<i>Netzanschluss</i> <i>Supply connection</i>	<b>Screwless terminals or pre-wired</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>Umgebungstemperatur ta</i> <i>Rated ambient temperature ta</i>	<b>25°C</b>
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	<p><b>A post-top LED lantern with radially symmetric distribution.</b></p> <p><b>Base: cast aluminium, powder coated silver-grey.</b></p> <p><b>Canopy: disc shape, aluminium, textured silver-grey.</b></p> <p><b>Diffuser: UV stabilised, clear polycarbonate with anti-glare prisms. Direct, lens based optic with internal reflector. Post top mounting to Ø60mm or Ø75mm column.</b></p> <p><b>Pre-wired with cable optional.</b></p>
<i>Zusatzinformation</i> <i>Additional information</i>	<p><b>Classification according to EN 62471:2008:</b></p> <p><b>Types with CCT of 2700 to 3000 K and driven with &gt;715 mA and types with CCT of 4000 K and driven with &gt;460 mA are classified as RG2.</b></p> <p><b>The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 0,32 m is not expected.</b></p> <p><b>All other types classified as RG1.</b></p>

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<i>Bauteil</i> <i>Component</i>	<i>Code</i>	<i>Hersteller</i> <i>Code Manufacturer</i>	<i>Typenbezeichnung</i> <i>Type Reference</i>	<i>Konformitätszeichen</i> <i>Mark(s) of conformity</i>
<i>LED control gear</i>	<b>B</b>	<b>Tridonic</b>	<b>LCO 40...</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCO 60...</b>	<b>ENEC 11</b>
<i>LED module</i>	<b>A*</b>	<b>THORN</b>	<b>LEM H18...</b>	<b>ÖVE</b>
<i>Internal wiring</i>	<b>C</b>	<b>BLF</b>	<b>UG4G4;</b> <b>450/750 V, 0,75 mm<sup>2</sup>, 180°C</b>	<b>Checked within</b> <b>appliance</b>
	<b>C</b>	<b>BLF</b>	<b>SIL/0100...;</b> <b>300 V, 0,75 mm<sup>2</sup>, 180°C</b>	<b>Checked within</b> <b>appliance</b>
<i>Connector</i>	<b>A</b>	<b>Adels-Contact</b>	<b>160 / 163;</b> <b>400 V, 16 A, 2,5 mm<sup>2</sup>, T110</b>	<b>VDE</b>
<i>Terminal</i>	<b>A</b>	<b>Electro Terminal</b>	<b>SLK3...;</b> <b>450 V, 2,5 mm<sup>2</sup>, T85</b>	<b>VDE</b>
	<b>A</b>	<b>Wago</b>	<b>862...;</b> <b>500 V, 32 A, 4,0 mm<sup>2</sup></b>	<b>DEKRA</b>
<i>External wiring</i>	<b>A</b>	<b>Nexans</b>	<b>H07RN-F;</b> <b>3x 1,5 mm<sup>2</sup></b>	<b>LCIE</b>
	<b>A</b>	<b>PROFIPLAST</b>	<b>H05VV-F;</b> <b>3x 1,5 mm<sup>2</sup></b>	<b>LCIE</b>

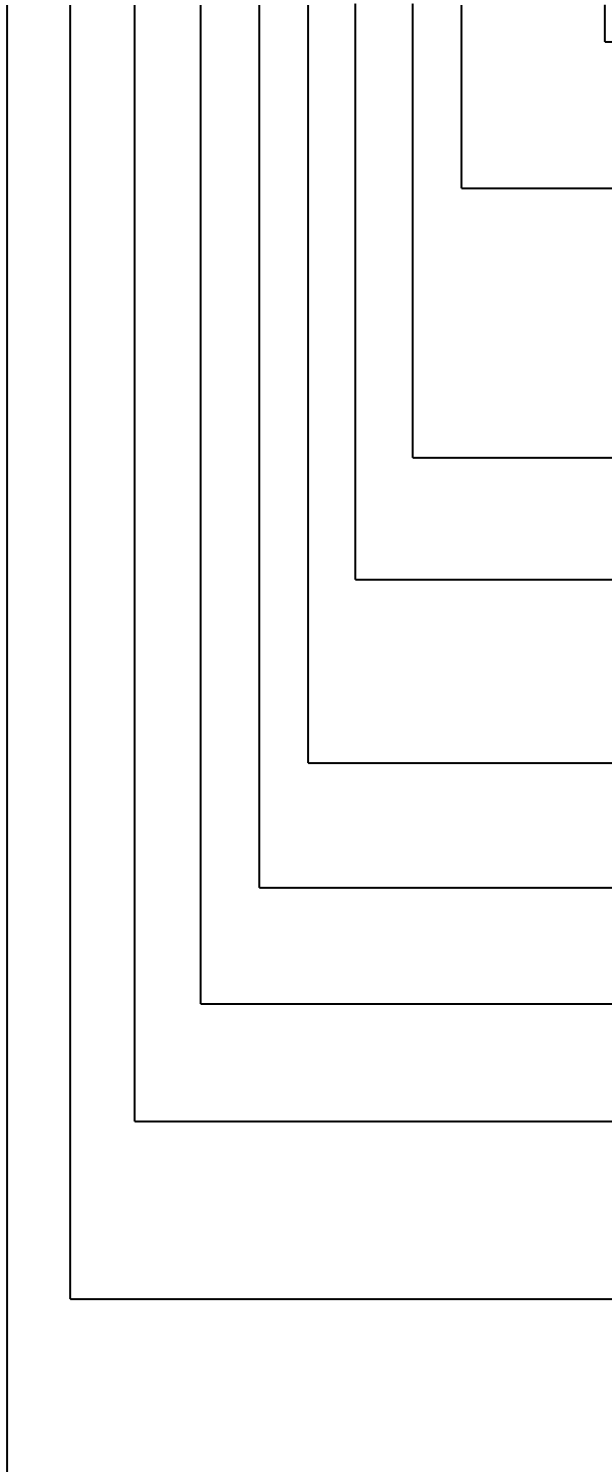
A The component is replaceable with another one, also certified, with equivalent characteristics.  
A\* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057.  
B The component is replaceable if authorised by the test house.  
C Integrated component tested together with the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

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**Typecode:**

**PLD** . .....-.... ..... .. **CL2** ....



**Colour**

- ANT ..... Texturized Anthracite
- GY ..... Texturized Light Grey
- BK ..... Texturized Black

**Wiring (optional)**

- D5 ..... 5 m (1,5 mm<sup>2</sup>)
- D6 ..... 6 m (1,5 mm<sup>2</sup>)
- D8 ..... 8 m (1,5 mm<sup>2</sup>)
- W5 ..... 5 m (1,5 mm<sup>2</sup>)
- W6 ..... 6 m (1,5 mm<sup>2</sup>)
- W8 ..... 8 m (1,5 mm<sup>2</sup>)
- none

**Spigot**

- T60 ..... 60 mm
- T76 ..... 76 mm

**Diming**

- LRT ..... Light Reduction Twin-phase
- BPL ..... Light Reduction Twin-phase
- BPS ..... BI power switchable
- BP ..... BI power

**Constant Light Output**

- CLO ..... Constant Light Output
- none

**Optic**

- R/S ..... Rotational Symmetrical
- WST ..... Wide Street

**CRI/CCT**

- 722, 727, 730, 740 ..... CRI 70, 2200 – 4000 K
- 827, 830, 840 ..... CRI 80, 2700 – 4000 K

**LED/mA**

- 18L35 ..... 18 LEDs, 350 mA
- 18L50 ..... 18 LEDs, 500 mA
- 18L70 ..... 18 LEDs, 700 mA
- 18L105 ..... 18 LEDs, 1050 mA

**Canopy**

- O ..... Original Canopy
- R ..... Round Canopy
- F ..... Flat Canopy
- D ..... Disc Canopy

**Luminaire series**

- PLD ..... Plurio LED Direct

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