

OVE Austrian Electrotechnical Association
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OVE Certification
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ENEC Certification Body registered under ID # 11.

Validity of ENEC Licences can be checked at www.enec.com

LICENCE

to use the European Mark



Licence No.: **251-225**

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

Dipl.-Ing. T. Neumayer



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<i>Hersteller Manufacturer</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Fertigungsstätte(n) Factory location(s)</i>	ZG Europhane Route de Paix 27700 Les Andelys France
<i>Typenbezeichnung Type reference</i>	Series PLD..., see page 5
<i>Prüfbericht Test Report</i>	TR-251-0150-01 ECS
<i>Nationale Bestimmung(en) National Standard(s)</i>	OVE EN IEC 60598-1:2022-04-01 ÖVE/ÖNORM EN 60598-2-3:2012-01-01
<i>Europannorm(en) European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-3:2003 + A1:2011
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	CTF Stage 2

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<i>Nennspannung</i> <i>Rated voltage</i>	223-240 V, 50-60 Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1x LEM H18...
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules at max. 1050 mA
<i>Schutzgrad</i> <i>Degree of protection</i>	IP66
<i>Netzanschluss</i> <i>Supply connection</i>	Screwless terminals or pre-wired
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface
<i>Schutzklasse</i> <i>Class of protection</i>	CI.I
<i>Umgebungstemperatur ta</i> <i>Rated ambient temperature ta</i>	25°C
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	<p>A post-top LED lantern with radially symmetric distribution.</p> <p>Base: cast aluminium, powder coated silver-grey.</p> <p>Canopy: disc shape, aluminium, textured silver-grey.</p> <p>Diffuser: UV stabilised, clear polycarbonate with anti-glare prisms. Direct, lens based optic with internal reflector. Post top mounting to Ø60mm or Ø75mm column.</p> <p>Pre-wired with cable optional.</p>
<i>Zusatzinformation</i> <i>Additional information</i>	<p>Classification according to EN 62471:2008:</p> <p>Types with CCT of 2700 to 3000 K and driven with >715 mA and types with CCT of 4000 K and driven with >460 mA are classified as RG2.</p> <p>The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 0,32 m is not expected.</p> <p>All other types classified as RG1.</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	Tridonic	LCO 40...	ENEC 11
	B	Tridonic	LCO 60...	ENEC 11
<i>LED module</i>	A*	THORN	LEM H18...	ÖVE
<i>Internal wiring</i>	C	BLF	UG4G4; 450/750 V, 0,75 mm², 180°C	Checked within appliance
	C	BLF	SIL/0100...; 300 V, 0,75 mm², 180°C	Checked within appliance
<i>Connector</i>	A	Adels-Contact	160 / 163; 400 V, 16 A, 2,5 mm², T110	VDE
<i>Terminal</i>	A	Electro Terminal	SLK3...; 450 V, 2,5 mm², T85	VDE
	A	Wago	862...; 500 V, 32 A, 4,0 mm²	DEKRA
<i>External wiring</i>	A	Nexans	H07RN-F; 3x 1,5 mm²	LCIE
	A	PROFIPLAST	H05VV-F; 3x 1,5 mm²	LCIE

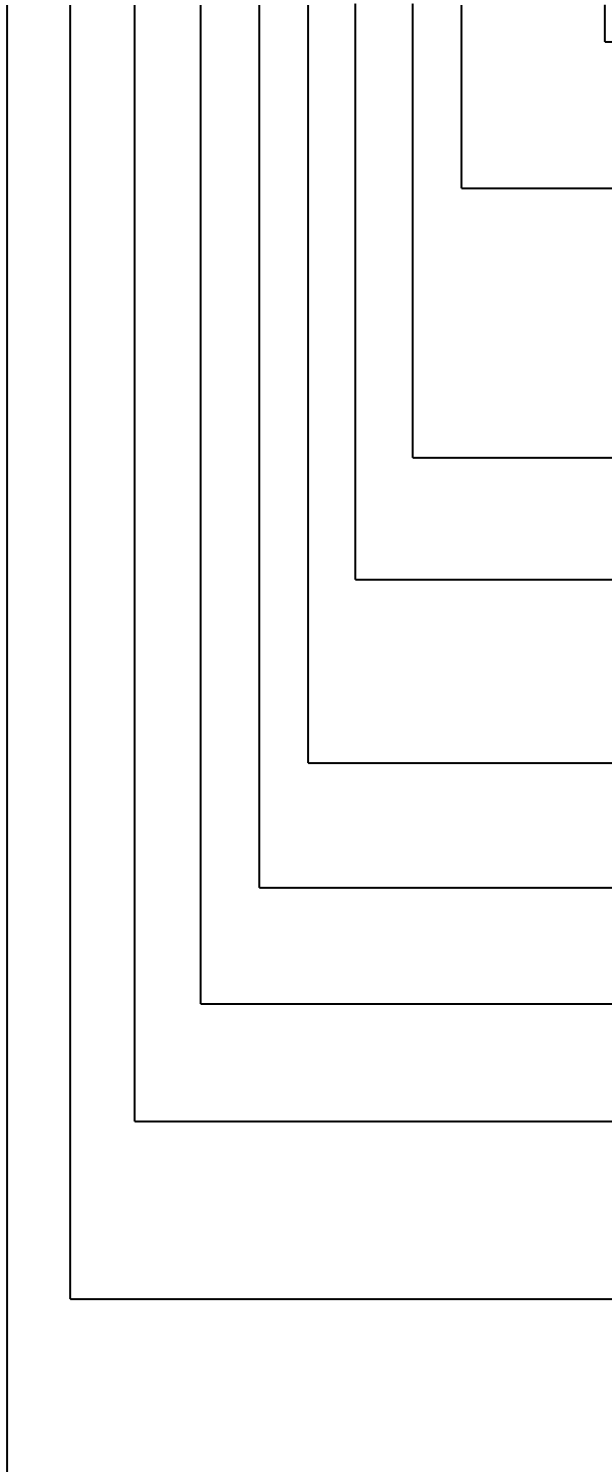
A The component is replaceable with another one, also certified, with equivalent characteristics.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057.
B The component is replaceable if authorised by the test house.
C Integrated component tested together with the appliance.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

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Typecode:

PLD CL1 . . .



Colour

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

Wiring (optional)

- D5 5 m (1,5 mm²)
- D6 6 m (1,5 mm²)
- D8 8 m (1,5 mm²)
- W5 5 m (1,5 mm²)
- W6 6 m (1,5 mm²)
- W8 8 m (1,5 mm²)
- 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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