

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

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



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.: **85175-040**

Date of issue: Wien, 2023 03 22

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: **Thorn Lighting Ltd**
Durhamgate, Spennymoor,
County Durham
DL16 6HL
United Kingdom

Product: **Luminaires with limited surface temperatures**

Trade Mark:  **ZUMTOBEL**

Series/Type: **LANOS**

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</i> <i>Manufacturer</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Fertigungsstätte(n)</i> <i>Factory location(s)</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Typenbezeichnung</i> <i>Type reference</i>	LANOS S ... , LANOS M ... , LANOS L ... , see type code on page 5.
<i>Prüfbericht</i> <i>Test Report</i>	TR 85175-0044-02 ECS
<i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i>	OVE EN IEC 60598-1:2022-04-01 OVE EN IEC 60598-1/A11:2023-02-01 ÖVE/ÖNORM EN 60598-2-24:2014-05-01
<i>Europanorm(en)</i> <i>European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-24:2013
<i>Ersatz für Zertifikat</i> <i>Superseded licence</i>	--
<i>Anmerkung(en)</i> <i>Remark(s)</i>	--

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<i>Nennspannung</i> <i>Rated voltage</i>	220-240 V, 50/60 Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1x LED module LEM C204, LEM C288 or LEM C492
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules
<i>Schutzgrad</i> <i>Degree of protection</i>	IP54
<i>Netzanschluss</i> <i>Supply connection</i>	Screwless terminals
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface
<i>Schutzklasse</i> <i>Class of protection</i>	CI.II
<i>Umgebungstemperatur ta</i> <i>Rated ambient temperature ta</i>	25°C
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Luminaire housing made of polycarbonate in white, black, silver, bronze or anthracite. Opal optic with slight indirect light and a individually lit, separately controlled Halo option. Slim design available in three sizes. Easy to install directly onto walls or ceilings with a quick fix mounting system.
<i>Zusatzinformation</i> <i>Additional information</i>	--

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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 driver</i>	B	Tridonic	LCA 45W 500-1400A one4all C PRE	ENEC 11
	B	Tridonic	LCA 17W 250-700A one4all C PRE	ENEC 11
	B	Tridonic	LCA 38W 350-1050mA DT8 C PRE	ENEC 11
	B	Tridonic	LC 45W 500-1400mA flexC C EXC	ENEC 11
	B	Tridonic	LCA 25W 350-1050mA one4all C PRE	ENEC 11
	B	Tridonic	LC 20/100-1050/44 o4a NF SR EXC3	ENEC 11
	B	Tridonic	LC 10W 150-400mA flexC C EXC	ENEC 11
	B	Tridonic	LC 17W 250-700mA flexC C EXC	ENEC 11
<i>LED module</i>	A*	Zumtobel	LEM C204 ... 800 mA; tc = 90°C; RG0	ÖVE
	A*	Zumtobel	LEM C288 ... 1100 mA; tc = 90°C; RG0	ÖVE
	A*	Zumtobel	LEM C492 ... 1800 mA; tc = 90°C; RG0	ÖVE
<i>Sensor</i>	B	Tridonic	smartSWITCH SFI 10 HF 5DP bDW	ENEC 05
<i>Internal wiring</i>	A	Leoni	EcoSense S05G-U 1x0,5 BL 0,5 mm²; 0,6 mm XLPE insulation	VDE
<i>Terminals</i>	A	Electro Terminal	SLK3 0,5-2,5 mm²; 450 V; 24 A; 110°C	ENEC 10
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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Type code:

LANOS

Colour

WH..... White
BK..... Black
SR..... Silver
BZ..... Bronze
ANT..... Anthracite

Controls

EVG Fixed output
 LDE DALI dimmable
 LDE/EVG 1x switchable, 1x dimmable LDE driver
 (only for HALO (HL) product
 BCM Basic dim (Tridonic) Master
 COR Corridor Function wired slave
 COZ Corridor Function wired slave

Optics

DI With Backlight
DO Without Backlight
HL Separately controillable

OP Diffuse / Lambertian Lighting Distribution
LRO LRO Optic <UGR19

Photometric code

830.....	CRI 80, 3000K
840.....	CRI 80, 4000K
930.....	CRI 90, 3000K
940.....	CRI 90, 4000K

Lumen Output (nominal)

1400, 1900, 2500, 3500, 4000, 4600

Size

S Small
M Medium
L Large

Series

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Type list:

Type	Power [W]	Dimension [mm]	LED module (type)	CRI	Module current [mA]
LANOS S 1400-...	9,7	Ø 313 x 69,5	LEM C204	80	300
LANOS S 1400-...	10,7	Ø 313 x 69,5	LEM C204	90	340
LANOS S 1900-...	13,2	Ø 313 x 69,5	LEM C204	80	400
LANOS S 1900-...	14,6	Ø 313 x 69,5	LEM C204	90	450
LANOS M 2500-...	17,6	Ø 393,5 x 69,5	LEM C288	80	500
LANOS M 2500-...	19,2	Ø 393,5 x 69,5	LEM C288	90	545
LANOS M 3500-...	24,6	Ø 393,5 x 69,5	LEM C288	80	700
LANOS M 3500-...	26,8	Ø 393,5 x 69,5	LEM C288	90	760
LANOS L 4000-...	28,2	Ø 493,5 x 69,5	LEM C492	80	800
LANOS L 4000-...	30,6	Ø 493,5 x 69,5	LEM C492	90	870
LANOS L 4600-...	35,2	Ø 493,5 x 69,5	LEM C492	80	1000
LANOS L 4600-...	35,2	Ø 493,5 x 69,5	LEM C492	90	1000

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