

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

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LICENCE

to use the European Mark



Licence No.: **85175-037**

Date of issue: Wien, 2022 07 28

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: **Floodlights**

Trade Mark: **THORN**

Series/Type: **Contrast 3**

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

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>	CONT3 4L50 ... CONT3 12L105 ... CONT3 36L105 ... CONT3 52L105 ... see typelist on page 5.
<i>Prüfbericht</i> <i>Test Report</i>	TR 85175-0041-01 ECS
<i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i>	OVE EN IEC 60598-1:2022-04-01 OVE EN 60598-2-5:2016-11-01
<i>Europannorm(en)</i> <i>European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-5:2015
<i>Ersatz für Zertifikat</i> <i>Superseded licence</i>	--
<i>Anmerkung(en)</i> <i>Remark(s)</i>	CTF Stage 3.

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<i>Nennspannung</i> <i>Rated voltage</i>	220-240V, 50/60Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1x LEM C4 (CONT3 4L50) 1x LEM O12 (CONT3 12L105) 1x LEM H36 (CONT3 36L105) 1x LEM C52 (CONT3 52L105)
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules LEM C4 (4 LEDs) at max. 500 mA, or LEM O12 (12 LEDs), H36 (36 LEDs), C52 (52 LEDs) 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.II
<i>Umgebungstemperatur ta</i> <i>Rated ambient temperature ta</i>	35°C
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	From compact 4 LED spotlight to powerful 52 LED floodlight. The very compact 4 LED with pre-wired integrated driver or separate prewired gearbox. Body: die-cast aluminium. Powder coated (white, grey, black) Tempered glass (5mm).
<i>Zusatzinformation</i> <i>Additional information</i>	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 2,0 m is not expected.

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<i>Bauteil</i> <i>Component</i>	<i>Code</i> <i>Code</i>	<i>Hersteller</i> <i>Manufacturer</i>	<i>Typenbezeichnung</i> <i>Type Reference</i>	<i>Konformitätszeichen</i> <i>Mark(s) of conformity</i>
<i>LED driver</i>	B	TCI	DC 6W 500mA STM/U	ENEC 05
	B	Tridonic	LCO 40/200-1050/64 o4a NFC EXC3	ENEC 11
	B	Tridonic	LCO 135/200-1050/220 o4a NFC EXC3	ENEC 11
	B	Tridonic	LCO 200/200-1050/355 o4a NFC EXC3	ENEC 11
	B	Tridonic	LCO 90/200-1050/165 o4a NFC EXC3	ENEC 11
<i>LED modules</i>	A*	Zumtobel	LEM C4 ...	ÖVE
	A*	Zumtobel	LEM O12 ...	ÖVE
	A*	Zumtobel	LEM H36 ...	ÖVE
	A*	Zumtobel	LEM C52 ...	ÖVE
<i>Connector</i>	A	Wieland	RST 16I3/2S S1 ZT4 SW (Male) 16A, 250/400V, IP66/68	VDE
	A	Wago	221-412 16A, 250/400V, 85°C	ENEC
	B	Electro Terminal	SLK/3 110°C, 450V, 16A	ENEC 10
<i>Internal cable</i>	A	Omerin	H05SJ-K 180°C, 300/500V	HAR
<i>External cable</i>	A	Goldwing	H05RN-F 1,0mm²	HAR
<i>Surge protector</i>	B	CITEL	MLPC2 320V, 5A, 85°C	TÜV
<i>Cable gland</i>	B	Revos	BMOS-12 IP66, 100°C, 20mm	VDE
	B	Revos	05.504.5053 IP66, 100°C, 16mm	VDE
<i>Gland nut</i>	C	Hylec	03M20 MO	Checked within appliance
<i>Gland Rubber</i>	C	Hylec	313 USI	
<i>Gland Rubber</i>	C	Hylec	DM320/13.5	
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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Typelist:

Type	Size	Dimensions [mm]	Wattage [W]
CONT3 4L50 xxx NB HF yyy	Small	Ø83x103	8
CONT3 4L50 xxx NB NG IO yyy			
CONT3 12L105 xxx NB HFX 6K yyy	Medium	Ø239x156	41
CONT3 36L105 xxx NB HFX 6K yyy	Large	Ø397x206	117
CONT3 52L105 xxx NB HFX 6K yyy			166

xxx..... Photometric code
 7222200K, CRI>70
 8272700K, CRI>80
 8303000K, CRI>80
 8404000K, CRI>80

NB Narrow Beam

HF Fixed output driver

NG IO Pre-wired, requires separate gearbox

HFX Dimmable driver

6K Surge protection (optional)

yyy Colour

ANT Anthracite colour

BK Black colour

GY Grey colour

WH White colour

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