

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.: **22159-020**

Date of issue: Wien, 2024 11 08

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

Licensee: **Zumtobel Lighting GmbH**
Grevenmarschstr. 74-78
32657 Lemgo
Germany

Product: **Recessed luminaires**

Trade Mark: **THORN**

Series/Type: **CHALICE**

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>	Zumtobel Lighting GmbH Grevenmarschstr. 74-78 32657 Lemgo Germany
<i>Fertigungsstätte(n)</i> <i>Factory location(s)</i>	Zumtobel Lighting GmbH Grevenmarschstr. 74-78 32657 Lemgo Germany
<i>Typenbezeichnung</i> <i>Type reference</i>	CHAL3 100 ..., CHAL3 150 ..., CHAL3 200 ..., see typecode on page 6.
<i>Prüfbericht</i> <i>Test Report</i>	TR 22159-0022-01 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 60598-2-2:2012-11-01
<i>Europannorm(en)</i> <i>European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-2:2012
<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Superseded licence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>	AC 220-240 V, 50/60 Hz; DC 220-240 V
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1x LED module, see typelist on page 7.
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules DLE 42mm, DLE 67mm or CLU04J.
<i>Schutzgrad</i> <i>Degree of protection</i>	For type CHAL3 200 5000-...: IP20 For type CHAL3 200 5000-... IP43 (with dust cover): IP20, IP43 from below (for closed ceilings) For all other types: IP20, IP54 from below (for closed ceilings), or IP65 from below (for closed ceilings) with closed reflector.
<i>Netzanschluss</i> <i>Supply connection</i>	Screwless terminals (from LED control gear)
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface. Not suitable for covering with thermally insulating material.
<i>Schutzklasse</i> <i>Class of protection</i>	CI.II
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Fixed ceiling recessed luminaires for indoor use with screwless terminals. Housing made of aluminium and thermoplastic material.
<i>Zusatzinformation</i> <i>Additional information</i>	--

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<i>Bauteil</i> <i>Component</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 control gear</i> <i>for HF-versions</i>	B	Tridonic	LC 8/200/42 fixC SRL ADV2	ENEC 11
	B	Tridonic	LC 13/300/42 fixC SRL ADV2	ENEC 11
	B	Tridonic	LC 17/400/42 fixC SRL ADV2	ENEC 11
	B	Tridonic	LC 24/650/37 fixC SRL ADV2	ENEC 11
<i>for EHF-versions</i>	B	Tridonic	LC 25/200-650/38 NF SR EXC3	ENEC 11
<i>HFIX/COR/NLX-versions</i>	B	Tridonic	LC 25/200-650/38 o4a NF SR EXC3	ENEC 11
<i>for BC-versions</i>	B	TCI	PROFESSIONALE CASAMBI	ENEC 05
<i>LED-module</i>	A*	Tridonic	DLE 42mm 1900lm ... CRI 80/90, RG1, 3000/4000K	ÖVE
	A*	Tridonic	DLE 67mm 4000lm ... CRI 80/90, RG1, 3000/4000K	ÖVE
	A*	Tridonic	DLE 42mm 2000lm ... S CRI 80/90, RG1, 3000/4000K	ÖVE
	A*	Tridonic	DLE 67mm 3000lm ... M CRI 80/90, RG1, 3000/4000K	ÖVE
	A*	Tridonic	DLE 67mm 1400lm ... L CRI 80/90, RG1, 3000/4000K	ÖVE
	A*	Tridonic	DLE 67mm 3000lm ... L CRI 80/90, RG1, 3000/4000K	ÖVE
	A*	Tridonic	DLE 67mm 3000lm ... M2 CRI 80/90, RG1, 3000/4000K	ÖVE
<i>Connector</i>	B	Phoenix Contact	PTSM 0,5/2-HTB-2,5-... 2-pole; 160V; 6A; 100°C	VDE
	B	Phoenix Contact	PTCM 0,5/2-PL-2,5 2-pole; 160V; 6A; 100°C	VDE
<i>Cover</i>	C	Sabic	PC LEXAN Resin 123R	Checked with appliance
<i>Reflector</i>	C	Covestro	PC Makrolon RW5181	Checked with appliance
<i>Spring cover</i>	C	Sabic	PC LEXAN Resin 915R	Checked with appliance
<i>Diffuser disk</i>	C	ALBIS Plastic	ALCOM PC 740/4 UV CC1323-08LG Polycarbonate	Checked with appliance
	D	Covestro	PC Makrolon DQ5122	Checked with appliance
<i>IP cover</i>	C	Sabic	PC LEXAN Resin ML3729 clear	Checked with appliance

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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>
For type CHAL3 200 5000-... only:				
<i>LED control gear</i> <i>for HFIX-version</i>	B	Tridonic	LCA 45W 500-1400mA one4all SR PRE	ENEC 11
<i>for EHF-version</i>	B	Tridonic	LC 45W 500-1400mA flexC SR EXC	ENEC 11
<i>LED-module</i>	A*	Citizen	CLU04J-1212C9 1150mA, RG1, 3000/4000K	ENEC 18
<i>Wiring</i>	A	New Square	H03Z1Z1H2-F 300/300V; 0,5mm²; 90°C	HAR
<i>Thermal Interface</i>	C	Bergquist	Hi-Flow 300P	Checked with appliance
<i>LED holder</i>	B	BJB	47.363.1003 DC 60V; 2A; T110	VDE
<i>Reflector</i>	C	Sabic	PC LEXAN Resin 123R	Checked with appliance
<i>Cover ring</i>	C	Sabic	PC LEXAN Resin 123R	Checked with appliance

- 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 [mm]	Luminous flux [lm]	LED module	Current setting [mA]	Max. rated power [W]
CHAL3 200 1400-czz eee xx rrr IPii	200	1400	DLE 67mm 1400lm 8.. L DLE 67mm 3000lm 9.. L	300	13,0
CHAL3 200 2000-czz eee xx rrr IPii	200	2000	DLE 67mm 3000lm 8.. L DLE 67mm 3000lm 9.. L	400	16,9
CHAL3 200 3000-czz eee xx rrr IPii	200	3000	DLE 67mm 3000lm 8.. L DLE 67mm 3000lm 9.. L	650	27,6
CHAL3 200 5000-czz eee xxx rrr IPii	200	5000	CLU04J-1212C9	1150	44,1
CHAL3 150 1400-cxx eee rrr IPii	150	1400	DLE 67mm 4000lm 8.. DLE 67mm 3000lm 9.. M2	300	13,0
CHAL3 150 2000-czz eee rrr IPii	150	2000	DLE 67mm 3000lm 8.. M DLE 67mm 3000lm 9.. M2	400	16,9
CHAL3 150 3000-czz eee rrr IPii	150	3000	DLE 67mm 3000lm 8.. M DLE 67mm 3000lm 9.. M2	650	27,5
CHAL3 100 800-czz eee rrr IPii	100	800	DLE 42mm 1900lm 8.. DLE 42mm 2000lm 9.. S	200	8,8
CHAL3 100 1400-czz eee rrr IPii	100	1400	DLE 42mm 2000lm 8.. S DLE 42mm 2000lm 9.. S	400	15,9

Description:

c CRI: 8 = CRI > 80, 9 = CRI > 90
 zz CCT: 30 = 3000K, 40 = 4000K
 eee gear version: EHF, HF, HFIX, COR, NLX, BC
 xx WW = wallwasher-insert for size 200 only (optional)
 xxx top reflectors: FL = flood; WFL = wide flood (for 5000lm-versions only)
 rrr reflector/optic: RMB, RWH, RSB
 IPii IP-rating below ceiling:
 None: IP54, IP20 for 5000lm-version,
 IP65: cover inside reflector
 IP43: dust cover for 5000lm-versions

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