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OVE Testing & 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. **85175-002**

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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: **Ceiling recessed LED Downlight luminaire**

Trade Mark: **THORN**

Series/Type: **CHALICE PRO LED**

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.

Austrian Electrotechnical Association
Head of Testing & Certification

Digitally signed by W. Martin
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Dipl.-Ing. W. Martin



OVE Testing & Certification

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.en.bmwfw.gv.at/accreditation



<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>	CHAL PRO LED ..., see page 4/4 of Annex.
<i>Prüfbericht</i> <i>Test Report</i>	TR 85175-0002-01 ECS
<i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i>	ÖVE/ÖNORM EN 60598-1:2015-11-01 ÖVE/ÖNORM EN 60598-2-2:2012-11-01
<i>Europannorm(en)</i> <i>European Standard(s)</i>	EN 60598-1:2015 EN 60598-2-2:2012
<i>Ersatz für Zertifikat</i> <i>Superseded licence</i>	--
<i>Anmerkung(en)</i> <i>Remark(s)</i>	Classified within limits of risk group 1 (low risk) according EN 62471:2008. SMT-procedure

<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
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules LEM Q44 or LEM Q64
<i>Schutzgrad</i> <i>Degree of protection</i>	IP20 (above ceiling parts) / IP54 (below ceiling parts)
<i>Netzanschluß</i> <i>Supply connection</i>	Screw- or screwless terminals (from independent 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.I
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Ceiling recessed LED Downlight luminaire with fixed LED module, fixed output & dimmable HF drivers. Basic luminaire construction comprises a painted aluminium body with moulded polycarbonate rear cover, aluminised polycarbonate reflector & polycarbonate diffuser with polycarbonate film inlay. A custom LED module & moulded polycarbonate mixing chamber insert are fitted directly to body. An independent LED control gear module (driver) is fitted. Luminaires are recessed ceiling grid mounted, using sprung side arms.
<i>Zusatzinformation</i> <i>Additional information</i>	-

<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	Tridonic	LCI...TEC SR	ENEC 11
	B	Tridonic	LCI...ECO SR	ENEC 11
<i>LED module</i>	B	Zumtobel	LEM Q44 ...	ÖVE
	B	Zumtobel	LEM Q64 ...	ÖVE
<i>Connector cable</i>	C	Salcavi	LSOH UZ10Z1-105 300/500V	Checked within appliance
<i>Supply connector</i>	B	Wieland	GST 18i...	VDE
	B	Wago	Winsta Midi 770-...	VDE
<i>Supply plug</i> <i>Supply cable</i>	B	Kaiser	SCHUKO plug	ÖVE
	A	Ta-An	H05VV-F 2x1.0mm²	ÖVE

- A The component is replaceable with another one, also certified, with equivalent characteristics.
 B The component is replaceable if authorised by the test house.
 C Integrated component tested together with the appliance.
 D Alternative component.

Typelist:

Chalice PRO Luminaire Range	
Type Description	Circuit type
CHAL PRO LED 1100-8xx HF	Fixed output
CHAL PRO LED 2000-8xx HF	Fixed output
CHAL PRO LED 3000-8xx HF	Fixed output
CHAL PRO LED 900-9xx HF	Fixed output
CHAL PRO LED 1600-9xx HF	Fixed output
CHAL PRO LED 2400-9xx HF	Fixed output
CHAL PRO LED 1100-8xx HFIX	Dimmable
CHAL PRO LED 2000-8xx HFIX	Dimmable
CHAL PRO LED 3000-8xx HFIX	Dimmable
CHAL PRO LED 900-9xx HFIX	Dimmable
CHAL PRO LED 1600-9xx HFIX	Dimmable
CHAL PRO LED 2400-9xx HFIX	Dimmable

Variations & Accessories:

LED colour (xxx):

830 = Ra80, 3000K

840 = Ra80, 4000K

930 = Ra90, 3000K

940 = Ra90, 4000K

Reflector:

RSB = Satin finish metallised polycarbonate

RMB = Specular finish metallised polycarbonate

Bezel Colour:

GY=Grey bezel

W0=Pure white bezel (RAL 9010)

W6=White bezel (RAL 9016)

Factory Fitted Supply Cables (optional, if fitted):

WL3 = Cable with 3 pole Wieland plug

WL5 = Cable with 5 pole Wieland plug

WO5 = Cable with 5 pole Wago plug

SR2 = Cable with Schuko plug

FP = Cable with plug for Aus/NZ region

Optional Attachments:

Chalice PRO Frosted Ring

Chalice PRO Halo Ring

Chalice PRO Wallwasher