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ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No.: **251-197**

Date of issue: Wien, 2018 10 24
Rev. No.: 01 Wien, 2020 09 01

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 emergency lighting with limited surface temperatures**

Trade Mark: **THORN**

Series/Type: **Aquaforce 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 Testing and Certification

Digitally signed by W. Martin
Email=w.martin@ove.at

Dipl.-Ing. W. Martin



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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>	Zumtobel Lighting GmbH Schweizer Str. 30 6850 Dornbirn Austria
<i>Typenbezeichnung Type reference</i>	Series AQFPRO . LED..., see page 5
* <i>Prüfbericht Test Report</i>	TR-251-0114-01 ECS, TR-251-0114-02 ECS, TR-251-0114-03 ECS
* <i>Nationale Bestimmung(en) National Standard(s)</i>	OVE EN 60598-1:2018-11-01 ÖVE/ÖNORM EN 60598-2-22:2015-07-01 ÖVE/ÖNORM EN 60598-2-24:2014-05-01
* <i>Europannorm(en) European Standard(s)</i>	EN 60598-1:2015 + A1:2018 EN 60598-2-22:2014 EN 60598-2-24:2013
* <i>Ersatz für Zertifikat Superseded licence</i>	251-197 dated 2018 10 24 Items modified are marked with an asterisk (*)
* <i>Anmerkung(en) Remark(s)</i>	All types available as centrally supplied maintained emergency luminaire (classification Z 1), according EN 60598-2-22:2014. Only types with lumen packages 2900lm, 4300lm and 6400lm are also available as self contained emergency luminaire (classification X 1), according EN 60598-2-22:2014. CTF Stage 2

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<i>Nennspannung</i> <i>Rated voltage</i>	220-240 V; 0/50/60 Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	2/3 x LEM S40...
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules (ILCOS: DSL)
<i>Schutzgrad</i> <i>Degree of protection</i>	IP66
<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>	Cl. I
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Emergency luminaires with limited surface temperatures for wall and ceiling mounting. The luminaire has a special drip-edge-effect. Two different optics, Middle Beam or Wide Beam are available. The LED modules and the ECG are fixed on the light engine with screws.
* <i>Zusatzinformation</i> <i>Additional information</i>	Light source classified as RG0 according to EN 62471:2008.

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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 module</i>	A*	Zumtobel	LEM S40...	ÖVE
<i>LED control gear</i>	B	Tridonic	LCA 50W...	ENEC 11
	B	Tridonic	LCA 75W...	ENEC 11
*	B	Thorn	LC 35W...	ENEC 18
*	B	Thorn	LC 54W...	ENEC 18
*	B	Thorn	LC 68W...	ENEC 18
*	B	Tridonic	LC 35W...	ENEC 11
*	B	Tridonic	LC 54W...	ENEC 11
*	B	Tridonic	LC 67W...	ENEC 11
	B	Tridonic	LCAI 100W...	ENEC 11
	B	Philips	Xitanium 36W...	ENEC 05
	B	Philips	Xitanium 60W...	ENEC 05
	B	Philips	Xitanium 75W...	ENEC 05
	B	Osram	OTi ... 35...	VDE
	B	Osram	OTi ... 60...	VDE
	B	Osram	OTi ... 75...	VDE
	B	Osram	OTi ... 90...	VDE
*	B	Tridonic	EM converterLED BASIC...	ENEC 12
*	B	Tridonic	EM converterLED PRO...	ENEC 12
<i>Sensor</i>	A	Tridonic	smartSWITCH HF...; 220-240V; 50Hz; Tc 70°C	ENEC 05
* <i>Terminal</i>	A	Electro Terminal	SLK 3; ACDC 450 V; 24A; 0,5-2,5 mm²; T110	ENEC 11
<i>Connector</i>	A	Stucchi	3701, 3702; 400V; 16A; T110	IMQ
<i>Wiring</i>	A	Leoni	Ecosense S05G-U; 300/500 V; 0,5 mm²; 110°C	BBJ
*	A	Leoni	Ecosense S07G-U; 450/750 V; 1,5 / 2,5 mm²; 110°C	BBJ
* <i>Battery</i>	A	GP	400LALHT; 40000mAh; T=50°C; U_{Zelle}=1,2V	CB (DK-98228-UL)
* <i>Enclosure</i>	C	Zumtobel	PMMA, PC	checked within appliance

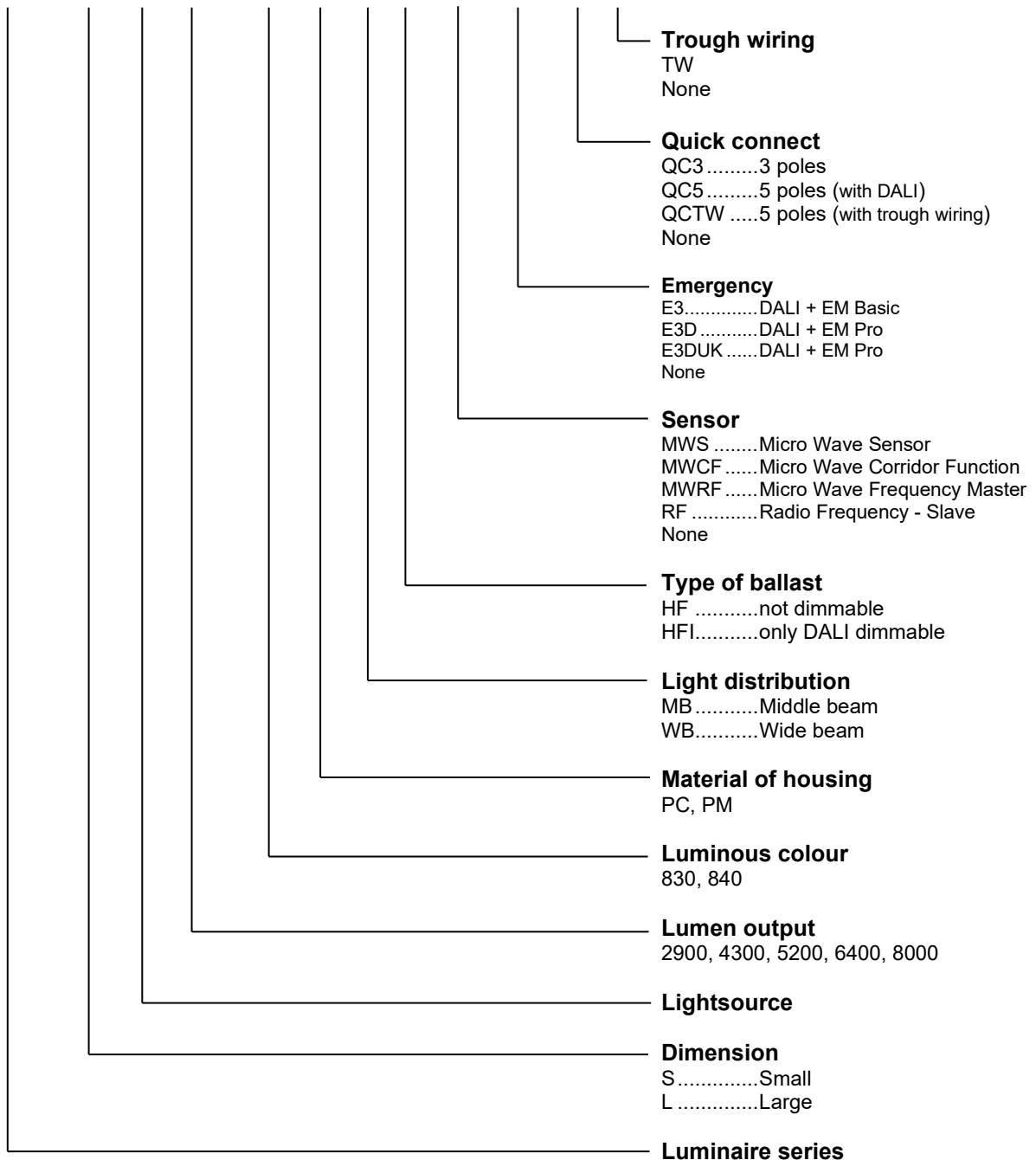
A The component is replaceable with another one, also certified, with equivalent characteristics.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057.
B The component is replaceable if authorised by the test house.
C Integrated component tested together with the appliance.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

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Typecode:

AQFPRO . LED..... - ... PC



Accessories: AQFPRO FIX/CH KIT
AQFPRO MCA KIT
MOUNTING SET AQUAFORCE PRO
DIFUSER AQUAFORCE PRO * * * *
HLD TW AQFPRO
HOUSING AQUAFORCE PRO *

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