

**OVE Austrian Electrotechnical Association**  
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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.: 03 Wien, 2023 10 12

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**  
Schweizer Str. 30  
6850 Dornbirn  
Austria

Product: **Luminaires for emergency lighting with limited surface temperatures**

Trade Mark: **THORN**

Series/Type: **Aquaforce**

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 Manufacturer</i>	<b>Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom</b>
* <i>Fertigungsstätte(n) Factory location(s)</i>	<b>ZG Lighting SRB doo Ulica Cumtobel br. 1 18000 Nis Serbia</b>  <b>Zumtobel Lighting GmbH Schweizer Str. 30 6850 Dornbirn Austria</b>
* <i>Typenbezeichnung Type reference</i>	<b>Series AQFPRO . LED..., Series AQF . LED..., see pages 5 and 6</b>
* <i>Prüfbericht Test Report</i>	<b>TR-251-0166-01 ECS, TR-251-0166-02 ECS, TR-251-0166-03 ECS</b>
* <i>Nationale Bestimmung(en) National Standard(s)</i>	<b>OVE EN IEC 60598-1:2022-04-01 OVE EN IEC 60598-1/A11:2023-02-01 OVE EN 60598-2-22:2021-01-01 ÖVE/ÖNORM EN 60598-2-24:2014-05-01</b>
* <i>Europannorm(en) European Standard(s)</i>	<b>EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-22:2014 + A1:2020 EN 60598-2-24:2013</b>
* <i>Ersatz für Zertifikat Superseded licence</i>	<b>251-197 Rev. 02 dated 2020 10 16 Items modified are marked with an asterisk (*)</b>
* <i>Anmerkung(en) Remark(s)</i>	<b>All types available as centrally supplied maintained emergency luminaire (classification Z 1), according EN 60598-2-22. Only types with lumen packages 2900lm, 4300lm, 5200lm and 6400lm are also available as self contained emergency luminaire (classification X 1), according EN 60598-2-22.</b>

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<i>Nennspannung</i> <i>Rated voltage</i>	<b>220-240 V; 0/50/60 Hz</b>
* <i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	<b>2/3 x LEM S40..., 2/3 x LEM S42..., 3 x LEM S56...</b>
<i>Lampentyp(en)</i> <i>Lamp identification</i>	<b>LED modules (ILCOS: DSL)</b>
<i>Schutzgrad</i> <i>Degree of protection</i>	<b>IP66</b>
<i>Netzanschluss</i> <i>Supply connection</i>	<b>Screwless terminals</b>
<i>Befestigungsfläche</i> <i>Supporting surface</i>	<b>Normally flammable surface</b>
<i>Schutzklasse</i> <i>Class of protection</i>	<b>Cl. I</b>
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	<b>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.</b>
* <i>Zusatzinformation</i> <i>Additional information</i>	<b>Light source classified as RG0 (exempt group).</b>

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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>	<b>A*</b>	<b>Zumtobel</b>	<b>LEM S40...</b>	<b>ÖVE</b>
*	<b>A*</b>	<b>Zumtobel</b>	<b>LEM S42...</b>	<b>ÖVE</b>
*	<b>A*</b>	<b>Zumtobel</b>	<b>LEM S56...</b>	<b>ÖVE</b>
<i>LED control gear</i>	<b>B</b>	<b>Tridonic</b>	<b>LCA 50W...</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCA 75W...</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Thorn</b>	<b>LC 35W...</b>	<b>ENEC 18</b>
	<b>B</b>	<b>Thorn</b>	<b>LC 54W...</b>	<b>ENEC 18</b>
	<b>B</b>	<b>Thorn</b>	<b>LC 68W...</b>	<b>ENEC 18</b>
	<b>B</b>	<b>Tridonic</b>	<b>LC 35W...</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LC 54W...</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LC 67W...</b>	<b>ENEC 11</b>
*	<b>B</b>	<b>Tridonic</b>	<b>LC 35...flex C...</b>	<b>ENEC 11</b>
*	<b>B</b>	<b>Tridonic</b>	<b>LC 50...flex C...</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Tridonic</b>	<b>LCAI 100W...</b>	<b>ENEC 11</b>
	<b>B</b>	<b>Philips</b>	<b>Xitanium 36W...</b>	<b>ENEC 05</b>
	<b>B</b>	<b>Philips</b>	<b>Xitanium 60W...</b>	<b>ENEC 05</b>
	<b>B</b>	<b>Philips</b>	<b>Xitanium 75W...</b>	<b>ENEC 05</b>
	<b>B</b>	<b>Osram</b>	<b>OTi ... 35...</b>	<b>VDE</b>
	<b>B</b>	<b>Osram</b>	<b>OTi ... 60...</b>	<b>VDE</b>
	<b>B</b>	<b>Osram</b>	<b>OTi ... 75...</b>	<b>VDE</b>
	<b>B</b>	<b>Osram</b>	<b>OTi ... 90...</b>	<b>VDE</b>
	<b>B</b>	<b>Tridonic</b>	<b>EM converterLED BASIC...</b>	<b>ENEC 12</b>
	<b>B</b>	<b>Tridonic</b>	<b>EM converterLED PRO...</b>	<b>ENEC 12</b>
<i>Sensor</i>	<b>A</b>	<b>Tridonic</b>	<b>smartSWITCH HF...; 220-240V; 50Hz; Tc 70°C</b>	<b>ENEC 05</b>
<i>Terminal</i>	<b>A</b>	<b>Electro Terminal</b>	<b>SLK 3; ACDC 450 V; 24A; 0,5-2,5 mm<sup>2</sup>; T110</b>	<b>ENEC 11</b>
* <i>Quick connect</i>	<b>A</b>	<b>Stucchi</b>	<b>3701, 3702; 400 V; 24 A; 0,5 – 2,5 mm<sup>2</sup>, T85</b>	<b>IMQ</b>
*	<b>A</b>	<b>ADELS - contact</b>	<b>LCS75/3; 250 V; 16 A; 0,5 – 2,5 mm<sup>2</sup>, T40</b>	<b>IMQ</b>
* <i>Wiring</i>	<b>A</b>	<b>Leoni</b>	<b>Ecosense LI2X-U; 300/500 V; 0,5 mm<sup>2</sup>; 110°C</b>	<b>BBJ</b>
*	<b>A</b>	<b>Leoni</b>	<b>Ecosense LI2X-U; 450/750 V; 1,5 / 2,5 mm<sup>2</sup>; 110°C</b>	<b>BBJ</b>
* <i>Battery</i>	<b>A</b>	<b>GP</b>	<b>400LALHT; 4000mAh; T=50°C; U<sub>Zelle</sub>=1,2V</b>	<b>CB (DK-98228-UL)</b>
* <i>Enclosure</i>	<b>C</b>	<b>Zumtobel</b>	<b>GPL MPP-T...PMMA, PC;</b>	<b>checked within appliance</b>

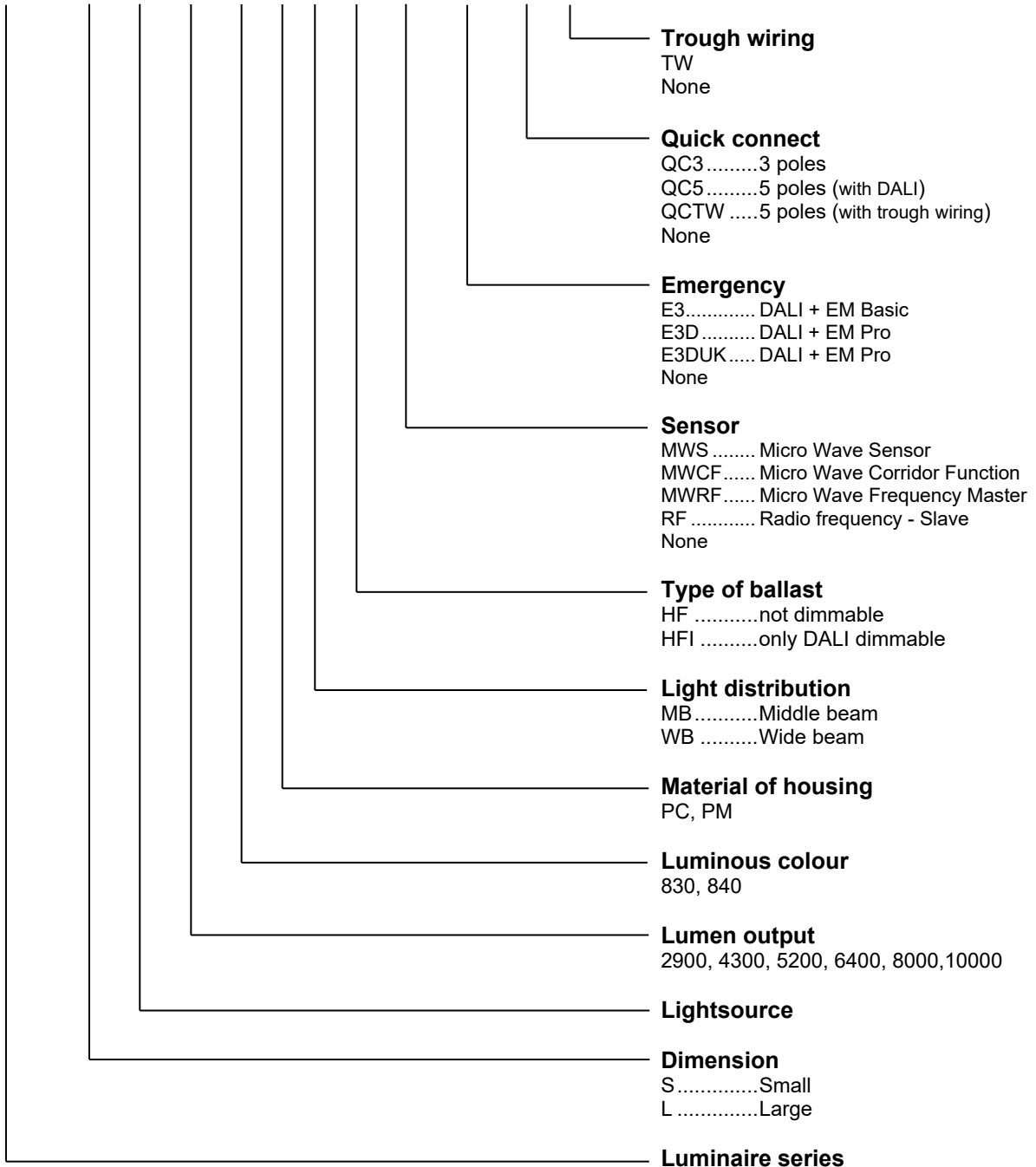
A The component is replaceable with another one, also certified, with equivalent characteristics.  
A\* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057.  
B The component is replaceable if authorised by the test house.  
C Integrated component tested together with the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

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**Typecode:**

**AQFPRO . LED.....-... ..**



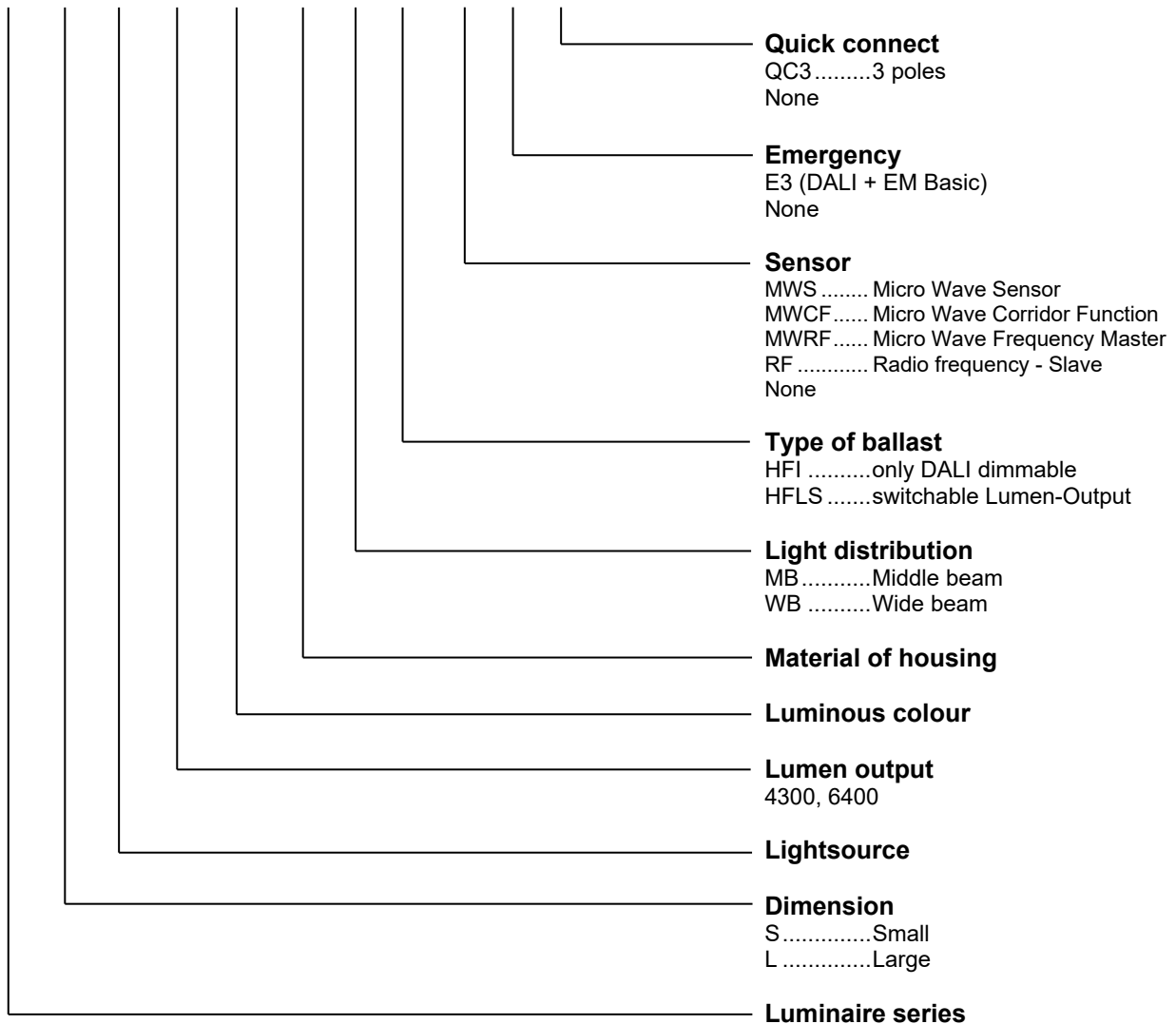
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**Typecode:**

**AQF . LED....-840 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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