

OVE Austrian Electrotechnical Association
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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.: **22175-008**

Date of issue: Wien, 2025 06 27

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: **Tridonic UK Ltd.**
House of Light, Butchers Race,
Green Lane Industrial Estate, Spennymoor
DL16 6JE Durham
United Kingdom

Product: **Electronic controlgear for emergency lighting (self-contained)**

Trade Mark: **TRIDONIC**

Series/Type: **EMpowerLED ... SR ... 45W 50V**
EMpLED BASIC ... SC ... 32W 50V

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 Manufacturer</i>	Tridonic UK Ltd. House of Light, Butchers Race, Green Lane Industrial Estate, Spennymoor DL16 6JE Durham United Kingdom
<i>Fertigungsstätte(n) Factory location(s)</i>	Tridonic UK Ltd. House of Light, Butchers Race, Green Lane Industrial Estate, Spennymoor DL16 6JE Durham United Kingdom
<i>Typenbezeichnung Type reference</i>	1) EMpowerLED ... SR ... 45W 50V, 2) EMpLED BASIC FX 102 SC ... 32W 50V, see typelist.
<i>Prüfbericht Test Report</i>	TR 22175-0018-01 ECS, TR 22175-0018-02 ECS, TR 22175-0019-01 ECS, TR 22175-0019-02 ECS.
<i>Nationale Bestimmung(en) National Standard(s)</i>	OVE EN 61347-1:2021-09-01 OVE EN 61347-2-7:2023-04-01 OVE EN 61347-2-13:2017-11-01 OVE EN IEC 62384:2021-04-01
<i>Europannorm(en) European Standard(s)</i>	EN 61347-1:2015 + A1:2021 EN 61347-2-7:2012 + A1:2019 + A2:2022 EN 61347-2-13:2014 + A1:2017 EN IEC 62384:2020
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	--

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<i>Bemessungsversorgungsspannung</i> <i>Rated supply voltage</i>	220-240 V, 50/60 Hz
<i>Bemessungsleistung (LED)</i> <i>Rated power (LED)</i>	1) 45 W 2) 32 W
<i>Bemessungsausgangsstrom (I_{rated})</i> <i>Rated output current (I_{rated})</i>	1) 300-1400 mA 2) 350-700 mA
<i>Bemessungs-Ausgangsspannung</i> <i>Rated output voltage</i>	1) 20-50 V 2) 15-50 V
<i>Höchste Arbeitsspannung (U-OUT)</i> <i>Maximum working voltage (U-OUT)</i>	60 V (SELV)
<i>Bemessungsstrom (Notbetrieb)</i> <i>Rated output current (emergency operation)</i>	see typelist.
<i>Max. Betriebstemperatur t_c</i> <i>Rated max. operating temperature t_c</i>	1) 75°C 2) 80°C
<i>Maximale Gehäusetemperatur</i> <i>Maximum case temperature</i>	1) 130°C 2) 110°C
<i>Umgebungstemperatur t_a</i> <i>Rated ambient temperature t_a</i>	see typelist.
<i>Schutzklasse</i> <i>Class of protection</i>	1) Cl. I 2) Cl. II (only with clip-on accessory)
<i>Klassifikation</i> <i>Classification</i>	1) Independent electronic controlgears for LED modules providing SELV for maintained emergency lighting operation. 2) Built-in electronic controlgears for LED modules providing SELV for maintained emergency lighting operation. With clip-on accessory also useable as independent controlgears.
<i>Zusatzinformation</i> <i>Additional information</i>	2) complies with Annex O of EN 61347-1.

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TRADEMARK / TYPECODE		Classification: B...Built in I....Independent	Rated output power (maintained operation)	Rated output current (maintained operation)	Max. working voltage U-OUT	Rated output power (emergency operation)	Output voltage (min-max)	Rated max. operating temperature (tc)	Maximum case temperature	Rated ambient temperature (ta)	Circuit power factor (maintained, charging)	Duration	Type of battery
Type Ref.													
1	EMpowerLED ST FX 104 SR NiCd 45W 50V	I	45	300-1400	60	3,5	20-50	75	130	-5...+50 ≤40W -5...+45 >40W	0,64C-0,96	1, 2, 3	NiCd
2	EMpowerLED ST FX 103 SR NiCd 45W 50V	I	45	300-1400	60	2,75	20-50	75	130		0,64C-0,96	1, 2, 3	NiCd
3	EMpowerLED PRO DIM 103 SR NiCd 45W 50V	I	45	300-1400	60	2,75	20-50	75	130		0,64C-0,96	1, 2, 3	NiCd
4	EMpowerLED PRO DIM 104 SR NiCd 45W 50V	I	45	300-1400	60	3,5	20-50	75	130		0,64C-0,96	1, 2, 3	NiCd
5	EMpowerLED PRO DIM 103 SR NiMH 45W 50V	I	45	300-1400	60	2,75	20-50	75	130		0,64C-0,96	1, 2, 3	NiMH
6	EMpowerLED PRO DIM 104 SR NiMH 45W 50V	I	45	300-1400	60	3,5	20-50	75	130		0,64C-0,96	1, 2, 3	NiMH
7	EMpLED BASIC FX 102 SC MH/NiCd 32W 50V	B ¹	32	350-700	60	2,5	15-50	80	110	-25...+50 ≤25W	0,75C-0,95	1, 3	NiCd, NiMH
8	EMpLED BASIC FX 102 SC LiFePO ₄ 32W 50V	B ¹	32	350-700	60	2,3	15-50	80	110	-25...+45 >25W	0,75C-0,95	1, 3	LiFePO ₄

¹ with clip-on strain relief cover also useable as independent controlgear.

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