

**OVE Austrian Electrotechnical Association**  
1010 Wien, Eschenbachgasse 9, Austria  
ZVR: 327279890 | DVR: 1055887 | [www.ove.at](http://www.ove.at)

**OVE Testing & Certification**  
1190 Wien, Kahlenberger Str. 2A, Austria  
T +43 1 370 58 06 | F +43 1 370 58 06-199



ENEC Certification Body registered under ID # 11.

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# LICENCE

to use the European Mark



Licence No. **7590-177**

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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: **Tridonic GmbH & Co KG**  
Färbergasse 15  
6851 Dornbirn  
Austria

Product: **Electronic control gears for LED-modules**

Trade Mark: **TRIDONIC**

Series/Type: **LCU 48V ... Ip**

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  
Email=[w.martin@ove.at](mailto:w.martin@ove.at)

Dipl.-Ing. W. Martin



## **OVE Testing & Certification**

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<p><i>Hersteller</i> <i>Manufacturer</i></p>	<p><b>Tridonic GmbH &amp; Co KG</b> <b>Färbergasse 15</b> <b>6851 Dornbirn</b> <b>Austria</b></p>
<p><i>Fertigungsstätte(n)</i> <i>Factory location(s)</i></p>	<p><b>Tridonic GmbH &amp; Co KG</b> <b>Färbergasse 15</b> <b>6851 Dornbirn</b> <b>Austria</b></p>
<p><i>Typenbezeichnung</i> <i>Type reference</i></p>	<p><b>Series LCU 48V ... Ip,</b> <b>see page 4/4 of Annex</b></p>
<p><i>Prüfbericht</i> <i>Test Report</i></p>	<p><b>TGM-VA EE 36065a-1 ECS-1/ECS-2,</b> <b>TGM-VA EE 36065b ECS-1/ECS-2</b></p>
<p><i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i></p>	<p><b>ÖVE/ÖNORM EN 61347-1:2013-12-01</b> <b>ÖVE/ÖNORM EN 61347-2-13:2015-06-01</b> <b>ÖVE/ÖNORM EN 62384:2010-05-01</b></p>
<p><i>Europannorm(en)</i> <i>European Standard(s)</i></p>	<p><b>EN 61347-1:2008 + A1:2011 + A2:2013</b> <b>EN 61347-2-13:2014</b> <b>EN 62384:2006 + A1:2009</b></p>
<p><i>Ersatz für Zertifikat</i> <i>Superseded licence</i></p>	<p>--</p>
<p><i>Anmerkung(en)</i> <i>Remark(s)</i></p>	<p><b>WMT-procedure</b></p>

<i>Nennspannung</i> <i>Rated voltage</i>	<b>AC 220-240 V, 50/60 Hz; DC 220-240 V</b>
<i>Bemessungs-Ausgangsspannung</i> <i>Rated output voltage</i>	<b>48 V SELV</b>
<i>Nennleistung</i> <i>Rated power</i>	<b>75 or 150 W</b>
<i>Max. Betriebstemperatur <math>t_c</math></i> <i>Rated max. operating temperature <math>t_c</math></i>	<b>see page 4/4 of Annex</b>
<i>Umgebungstemperatur <math>t_a</math></i> <i>Rated ambient temperature <math>t_a</math></i>	<b>see page 4/4 of Annex</b>
<i>Maximale Gehäusetemperatur</i> <i>Rated maximum case temperature</i>	<b>110°C</b>
<i>Kurzschlußschutz</i> <i>Short-circuit protection</i>	<b>Inherently short circuit proof controlgear.</b>
<i>Klassifikation</i> <i>Classification</i>	<b>Built-in electronic controlgears providing SELV, constant voltage type.</b>

<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>Terminals X1</i>	<b>A</b>	<b>Wago</b>	<b>250;</b> <b>630 V; 0,2-1,5mm<sup>2</sup>; 2 A</b>	<b>KEMA</b>
<i>Terminals X2, X3</i>	<b>A</b>	<b>Wago</b>	<b>235;</b> <b>630 V; 0,2-2,5mm<sup>2</sup>; 17,5 A</b>	<b>KEMA</b>
<i>Optocoupler U90, U91</i>	<b>A</b>	<b>Everlight Electronics</b>	<b>EL1018;</b> <b>70 V; 0,05 A; V<sub>iso</sub>=5000 V<sub>rms</sub></b>	<b>VDE</b>
<i>Optocoupler U130, U131</i>	<b>A</b>	<b>Lite-On</b>	<b>LTC357T;</b> <b>35 V; 0,05 A; V<sub>iso</sub>=3750 V<sub>rms</sub></b>	<b>VDE</b>
<i>Varistor F03</i>	<b>A</b>	<b>Thinking Electronics Ind.</b>	<b>TVR 10471;</b> <b>AC 300 V; 0,40 W</b>	<b>VDE</b>
<i>Varistor F130</i>	<b>A</b>	<b>Thinking Electronics Ind.</b>	<b>TVR 10431;</b> <b>AC 275 V; 0,40 W</b>	<b>VDE</b>
<i>Capacitor C68</i>	<b>A</b>	<b>Murata</b>	<b>331M;</b> <b>Y1; 250 V; 330 pF</b>	<b>VDE</b>
<i>Capacitor C02, C69</i>	<b>A</b>	<b>Xiamen Faratronic</b>	<b>MKP63;</b> <b>Y2; 250 V; 3,3 nF</b>	<b>ENEC 14</b>
<i>Choke L01</i>	<b>C</b>	<b>Guangxie</b>	<b>05506699;</b> <b>Datasheet No. 15003174_05</b>	<b>Checked within appliance</b>
<i>Transformer L51</i>	<b>C</b>	<b>ICT</b>	<b>05514938;</b> <b>Datasheet No. 15009240_00</b>	<b>Checked within appliance</b>

**For types LCU 48V 75W ... Ip:**

<i>Capacitor C01</i>	<b>A</b>	<b>Xiamen Faratronic</b>	<b>MKP62;</b> <b>X2; 275 V; 330 nF</b>	<b>VDE</b>
<i>Isolation Foil</i>	<b>C</b>	<b>Hauler &amp; Hermann GmbH</b>	<b>05508357; 0,1mm</b> <b>Datasheet No. 15006105_03</b>	<b>Checked within appliance</b>

**For types LCU 48V 150W ... Ip:**

<i>Capacitor C01</i>	<b>A</b>	<b>Xiamen Faratronic</b>	<b>MKP62;</b> <b>X2; 305 V; 470 nF</b>	<b>VDE</b>
<i>Capacitor C03</i>	<b>A</b>	<b>Xiamen Faratronic</b>	<b>MKP62;</b> <b>X2; 275 V; 220 nF</b>	<b>VDE</b>
<i>Isolation Foil</i>	<b>C</b>	<b>Hauler &amp; Hermann GmbH</b>	<b>05506290; 0,125mm</b> <b>Datasheet No. 15005135_01</b>	<b>Checked within appliance</b>

- 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.

TRADEMARK / TYPECODE		Rated output voltage	Rated output power	Rated max. operating temperature (tc)	Ambient temperature (ta)	Maximum case temperature	Circuit power factor (230V, 50Hz, full load)	Case
		[V]	[W]	[°C]	[°C]	[°C]	$\lambda$	Metall (M) Plastic (P)
1	LCU 48V 75W DC-STR DIM Ip	48	75	80	55	110	0,99	M
2	LCU 48V 75W DC-STR FO Ip	48	75	80	55	110	0,99	M
3	LCU 48V 150W DC-STR DIM Ip	48	150	80	50	110	0,99	M
4	LCU 48V 150W DC-STR FO Ip	48	150	80	50	110	0,99	M