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OVE Testing & Certification
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ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No. **76786-001**

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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: **ELKOSUN d.o.o.**
Tržaška cesta 23
2000 Maribor
Slovenia

Product: **Ballasts for fluorescent lamps**

Trade Mark: **ELKOSUN, ELKO, SUNFIT**

Series/Type: **Series DFX, UV, DW, DFT**

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 & Certification

Digitally signed by W. Martin
Email=w.martin@ove.at
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.bmwf.gv.at/accreditation



<p><i>Hersteller</i> <i>Manufacturer</i></p>	<p>ELKOSUN d.o.o. Tržaška cesta 23 2000 Maribor Slovenia</p>
<p><i>Fertigungsstätte(n)</i> <i>Factory location(s)</i></p>	<p>ELKOSUN d.o.o. Tržaška cesta 23 2000 Maribor Slovenia</p>
<p>* <i>Typenbezeichnung</i> <i>Type reference</i></p>	<p>Series DFX, UV, DW, DFT, see page 5.</p>
<p>* <i>Prüfbericht</i> <i>Test Report</i></p>	<p>TGM-VA EE 32082 SFT-1/-2, TGM-VA EE 32362 SFT-1/-2, TGM-VA EE 32615 SFT-1/-2, TGM-VA EE 33391 SFT-1/-2, TGM-VA EE 33392 SFT-1/-2, TGM VA EE 35320 SFT-1/-2, TGM-VA EE 36181 SFT.</p>
<p>* <i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i></p>	<p>ÖVE/ÖNORM EN 61347-1:2013-12-01 ÖVE/ÖNORM EN 61347-2-8+A1:2006-11-01 ÖVE/ÖNORM EN 60921+A1:2007-03-01</p>
<p>* <i>Europannorm(en)</i> <i>European Standard(s)</i></p>	<p>EN 61347-1:2008 + A1:2011 + A2:2013 EN 61347-2-8:2001 + A1:2006 EN 60921:2004 + A1:2006</p>
<p>* <i>Ersatz für Zertifikat</i> <i>Superseded licence</i></p>	<p>76786-001 Rev. 03 dated 2015 04 08 Items modified are marked with an asterisk (*)</p>
<p><i>Anmerkung(en)</i> <i>Remark(s)</i></p>	<p>Ballasts with rated voltage other than 230V 50Hz are not certified for use in Europe.</p>

* <i>Nennspannung</i> <i>Rated voltage</i>	AC 230 V, 50 Hz AC 220 V, 60 Hz
* <i>Nennstrom</i> <i>Rated current</i>	see page 5.
* <i>Lampenleistung</i> <i>Power of lamp</i>	see page 5.
* <i>Lampentyp(en)</i> <i>Lamp identification</i>	Fluorescent lamps
<i>Max. Wicklungstemperatur tw</i> <i>Max. temp. of windings tw</i>	130°C
* <i>Temperaturerhöhung</i> <i>Temperature rise</i>	see page 5.
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Built-in ballast. Ground insulation by polyesterimid layer.

<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</i>	B	Adels-contact	900 400V, 0,5-1,5mm²	VDE
	B	Adels contact	140/2 400V, 0,5-1,5mm², T85°C	VDE
*	B	Electro Terminal	VSSL 1M/ET 450V, 0,5-1,5mm², T110°C	ÖVE
	B	Metalluk Bauscher GmbH	235, 217, 218 400V, 0,5-1,5mm²	VDE
	B	Vossloh & Schwabe	80353/80354/80233(Y06/P06)/ 80238(Y06/P06)/80243/80237(YK/PK)/ 80231(YK/PK) 400V, 0,5-1,5mm²	VDE

- 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.

No.	Type Ref.		Lamp Lamp (W)	Rated current (A)	Lamda	Δt °C	
	Trademarks ELKOSUN, ELKO	Trademark SUNFIT				AC 230V 50Hz	AC 220V 60Hz
1	DFX 530-160	-	1x 160	1,5	0,57	85	-
2	UV 530-160	-	1x 160	1,5	0,51	70	-
3	UV 530-180	-	1x 180	1,72	0,53	75	-
4	UV 530-200	-	1x 200	1,8	0,49	85	-
5	UV 530-225	-	1x 225	2,25	0,47	85	-
6	DW 530-100	-	1x 100	0,98	0,55	75	-
7	DFT 620-160	3B6161	1x 160	1,5	0,59	-	85
8	DW 620-100	3B6100	1x 100	0,98	0,57	-	75