

# CERTIFICATE ENEC/FI 2016060



Our Ref. 278114-4

<b>Product</b>	Electronic ballast for tubular fluorescent lamps
<b>Rating and principal characteristics</b>	See page 2
<b>Trade mark (if any)</b>	HELVAR
<b>Type</b>	EL2x49iDim, EL2x54iDim, EL2x24iDim, EL2x36iDim, EL2x39iDim, EL2x55iDim, EL2x24iDim Active, EL2x36iDim Active, EL2x49iDim Active, EL2x54iDim Active, EL2x39iDim Active, EL2x55iDim Active
<b>Name and address of the licensee</b>	Helvar Oy Ab Keilaranta 5 FI-02150 ESPOO, FINLAND
<b>Address of the manufacturer</b>	Helvar Oy Ab Keilaranta 5 FI-02150 ESPOO, FINLAND
<b>Is in conformity with</b>	EN 61347-2-3:2011 EN 61347-1:2008 + A1:2011 + A2:2013 EN 60929:2011
<b>As shown in the Test Report(s) No(s)</b>	278114-4A, 278114-4B
<b>It is authorized to use of the marks</b>	ENEC 16 and FI
<b>Validity</b>	This certificate is valid until 05 September 2021 provided that the Conditions for ENEC and FI certification are met. This certificate includes the right to use the ENEC 16 and FI mark under the condition that product changes (if any) will be approved at SGS Fimko before the product is brought onto market.
<b>Directive information</b>	The certified product(s) fulfils requirements of above mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU) at the date of issue of the certificate.
<b>With the following limitations</b>	-
<b>Date of issue</b>	05 September 2016
<b>Signature</b>	<b>SGS Fimko Ltd</b>  Kari Vesterinen  Product Line Manager



This certificate has 3 pages



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

**Additional information**



**Rating and principal characteristics**

EL2x24iDim, EL2x24iDim Active: 2 x FDH-24W-G5 (T5) / FSD-24W-2G11 (TC-L); 220-240V, 50-60Hz; 0,23-0,21A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL2x36iDim, EL2x36iDim Active: 2 x FD-36W-G13 (T8) / FSD-36W-2G11 (TC-L); 220-240V, 50-60Hz; 0,32-0,30A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL2x39iDim, EL2x39iDim Active: 2 x FDH-39W-G5 (T5); 220-240V, 50-60Hz; 0,38-0,35A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL2x49iDim, EL2x49iDim Active: 2 x FDH-49W-G5 (T5); 220-240V, 50-60Hz; 0,49-0,45A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL2x54iDim, EL2x54iDim Active: 2 x FDH-54W-G5 (T5); 220-240V, 50-60Hz; 0,53-0,49A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL2x55iDim, EL2x55iDim Active: 2 x FSDH-55W-2G11 (TC-L); 220-240V, 50-60Hz; 0,55-0,50A;  $\lambda$  0,98; tc 75°C; U-out 400V

Is based on test / Our ref.

278114-4A, 278114-4B