

# CERTIFICATE ENEC/FI 2016057



Our Ref. 278114-3

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| <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>                                 | EL1x49iDim, EL1x54iDim, EL1x80iDim, EL1x24iDim, EL1x39iDim, EL1x55iDim, EL1x36iDim   |
| <b>Name and address of the licensee</b>     | Helvar Oy Ab<br>Keilaranta 5<br>FI-02150 ESPOO, FINLAND  |
| <b>Address of the manufacturer</b>          | Helvar Oy Ab<br>Keilaranta 5<br>FI-02150 ESPOO, FINLAND  |
| <b>Is in conformity with</b>                | EN 61347-2-3:2011<br>EN 61347-1:2008 + A1:2011 + A2:2013<br>EN 60929:2011  |
| <b>As shown in the Test Report(s) No(s)</b> | 278114-3A, 278114-3B   |
| <b>It is authorized to use of the marks</b> | ENEC 16 and FI   |
| <b>Validity</b>                             | This certificate is valid until 18 August 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>                        | 18 August 2016   |
| <b>Signature</b>                            | <b>SGS Fimko Ltd</b><br><br>Kari Vesterinen<br>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.

**Rating and principal characteristics**



EL1x24iDim: 1 x FDH-24W-G5 (T5) / FSD-24W-2G11 (TC-L); 220-240V, 50-60Hz; 0,12-0,10A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL1x36iDim: 1 x FD-36W-G13 (T8) / FSD-36W-2G11 (TC-L); 220-240V, 50-60Hz; 0,17-0,15A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL1x39iDim: 1 x FDH-39W-G5 (T5); 220-240V, 50-60Hz; 0,20-0,18A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL1x49iDim: 1 x FDH-49W-G5 (T5); 220-240V, 50-60Hz; 0,25-0,23A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL1x54iDim: 1 x FDH-54W-G5 (T5); 220-240V, 50-60Hz; 0,27-0,25A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL1x55iDim: 1 x FSDH-55W-2G11 (TC-L); 220-240V, 50-60Hz; 0,27-0,25A;  $\lambda$  0,98; tc 75°C; U-out 400V

EL1x80iDim: 1 x FDH-80W-G5 (T5) / FSDH-80W-2G11 (TC-L) 220-240V, 50-60Hz; 0,39-0,36A;  $\lambda$  0,98; tc 75°C; U-out 400V

**Additional information**

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