

# CERTIFICATE ENEC/FI 2008055 M2



Our Ref. 274466-1

**Product** Electronic ballast for tubular fluorescent lamps  
**Rating and principal characteristics** See page 2  
**Trade mark (if any)** HELVAR  
**Type** EL2x36ngn, EL2x58ngn, EL2x18ngn  
**Name and address of the licensee** Helvar Oy Ab  
 PL 100  
 FI-03601 KARKKILA, FINLAND

**Address of the manufacturer** Helvar Oy Ab  
 Yrittäjätie 23  
 FI-03600 KARKKILA, FINLAND

**Is in conformity with** EN 61347-2-3:2011  
 EN 61347-1:2008 + A1:2011 + A2:2013  
 EN 60929:2011  
 IEC 61347-2-3:2011 (Ed 2)  
 IEC 61347-1:2007 (Ed 2) + A1:2010 + A2:2012  
 IEC 60929:2011 (Ed 4)

**As shown in the Test Report(s) No(s)** 252006-2a, 252006-2a Amendment-1...-3  
 252006-2b, 252006-2b Amendment-1...-3  
 271622-1\_A, 271622-1\_B  
 273170-1\_A, 273170-1\_B  
 273170-1\_A Amendment-1, 273170-1\_B Amendment-1

**It is authorized to use of the marks** ENEC 16 and FI

**Validity** This certificate is valid until 16 October 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. This certificate includes the right to use the ENEC 16 and FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for ENEC and FI certification are met.

**Directive information** The product(s) fulfils the essential safety requirements for CE conformity marking according to the Low Voltage Directive (2006/95/EC) at the date of issue of this certificate.

**With the following limitations** -

**Date of issue** 04 March 2014

**Signature**   
 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.

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**Rating and principal characteristics**

EL2x18ngn: 220-240V; 0/50-60Hz; 2x18W (FD-18-E-G13);  
0,16-0,15A;  $\lambda$  0,98;  $t_c$  75°C; U-OUT=240V

EL2x36ngn: 220-240V; 0/50-60Hz; 2x36W (FD-36-E-G13);  
0,32-0,29A;  $\lambda$  0,98;  $t_c$  75°C; U-out 300V

EL2x58ngn: 220-240V; 0/50-60Hz; 2x58W (FD-58-E-G13);  
0,50-0,45A;  $\lambda$  0,98;  $t_c$  75°C; U-out 350V

**Additional information**

This certificate replaces previous ENEC/FI certificate No. 2008055 M1, dated 16 October 2013. The certificate has been updated due to added model EL2x18ngn.

The product has CB certificate No. FI 5237 M2 issued by SGS Fimko Ltd in accordance with the CB system.