

CERTIFICATE ENEC/FI 2014010 A1



Our Ref. 276583-1

Product Electronic control gear for LED module
Rating and principal characteristics See page 2
Trade mark (if any) Helvar
Type LL1x20-E-DA
 LL1x20-E-CC

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 61347-2-13:2006
 EN 61347-1:2008 + A1:2011 + A2:2013
 EN 62384:2006 + A1:2009

As shown in the Test Report(s) No(s) 272473-1_A, 272473-1_A Amendment-1
 272473-1_B, 272473-1_B Amendment-1

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

Validity This certificate is valid until 21 February 2019 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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 June 2014

Signature *Pasi Orreveläinen*
 Pasi Orreveläinen
 Team Leader



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.

Page No.: 2 of Certificate No.: ENEC/FI 2014010 A1

Rating and principal characteristics

LL1x20-E-CC: 220-240VAC; 50-60Hz; constant current
350mA/10...57V or 500mA/10...40V or 700mA/10...28V; $\lambda_{0,9c}$;
P-outmax 20W; Uoutmax 80V; ta -20...+50°C/+45°C (built-in/
independent); tc 75°C; class II; SELV

LL1x20-E-DA: 220-240VAC; 50-60Hz; dimmable constant current
350mA/10...57V or 500mA/10...40V or 700mA/10...28V; $\lambda_{0,9c}$;
P-outmax 20W; Uoutmax 80V; ta -20...+50°C/+45°C (built-in/
independent); tc 75°C; class II; SELV

Additional information

This certificate replaces previous ENEC/FI certificate no. 2014010,
dated 21 February 2014 due to the reduced ta temperature of the
control gear in independent use.