

# CERTIFICATE ENEC/FI 2013044 M2



Our Ref. 277279-1

<b>Product</b>	Electronic control gear for LED module
<b>Rating and principal characteristics</b>	See page 2/3.
<b>Trade mark (if any)</b>	Helvar
<b>Types</b>	LL2x35-E-CC, LL2x35-E-DA, LL2x35-E-DA-iC, LL60/2-E-DA-iC, LL35/2-E-DA-iC
<b>Name and address of the licensee</b>	Helvar Oy Ab PL 100, FI-03601 KARKKILA, FINLAND
<b>Address of the manufacturer</b>	Helvar Oy Ab Yrittäjätie 23, FI-03600 KARKKILA, FINLAND
<b>Is in conformity with</b>	EN 61347-2-13:2006 EN 61347-1:2008 + A1:2011 + A2:2013 EN 62384:2006 + A1:2009
<b>As shown in the Test Report(s) No(s)</b>	269984-3_A, 269984-3_B, 269984-4_A, 269984-4_A Amendment-1, 269984-4_A Amendment-2 269984-B, 269984-B Amendment-1, 269984-B Amendment-2
<b>It is authorized to use of the marks</b>	ENEC 16 and FI
<b>Validity</b>	This certificate is valid until 13 September 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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.
<b>Directive information</b>	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.
<b>With the following limitations</b>	-
<b>Date of issue</b>	30 September 2014
<b>Signature</b>	<b>SGS Fimko Ltd</b>  Pasi Orreveteläinen 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.

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**Rating and principal characteristics**

LL2x35-E-CC, LL2x35-E-DA, LL2x35-E-DA-iC:  
 220-240VAC; 50/60Hz; Constant current 350mA/25...100V or  
 700mA/25...50V; tc +80°C;  $\lambda$  0,98; P-OUTmax: 2x35W;  
 U-OUTmax: 120V; ta: -20...+50°C

LL60/2-E-DA-iC:  
 220-240VAC; 50/60Hz; Constant current 350mA/25...100V or  
 700mA/25...85V; Controllable; tc +80°C;  $\lambda$  0,98;  
 P-OUTmax: 60W; U-OUTmax: 120V; ta: -20...+50°C

LL35/2-E-DA-iC:  
 220-240VAC; 50/60Hz; Constant current 350mA/25...100V or  
 700mA/25...50V; Controllable; tc +80°C;  $\lambda$  0,98;  
 P-OUTmax: 35W; U-OUTmax: 120V; ta: -20...+50°C

**Additional information**

This certificate replaces earlier certificate ENEC FI 2013044 M1,  
 dated 19 May 2014, due to added two models.

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