

CERTIFICATE ENEC/FI 2015006 M1



Our Ref. 278669-1

Product	Electronic control gear for LED module
Rating and principal characteristics	See page 2
Trade mark (if any)	HELVAR
Types	LC1x30-E-CC, LC1x30-E-CC+LC1x30-SR, LC1x30-E-DA, LC1x30-E-DA+LC1x30-SR, LC1x23-E-CC-500, LC1x23-E-CC-500+LC1x30-SR, LC1x30-E-AN, LC1x30-E-AN + LC1x30-SR, LC1x30-E-DA Active, LC1x30-E-CC Coated, LC1x30-E-DA Coated, LC1x30-E-CC Coated+LC1x30-SR, LC1x30-E-DA Coated+LC1x30-SR, LC1x30-E-AN Coated, LC1x30-E-DA-nDim
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 61347-1:2008 + A1:2011 + A2:2013 EN 61347-2-13:2006 EN 62384:2006 + A1:2009 EN 62493:2010
As shown in the Test Report(s) No(s)	270828-1_A, 270828-1_B, 270828-1_A Amendment-1...3, 270828-1_B Amendment-1...3, 277027-2A, 277027-2B, 278669-1_A, 278669-1_B, 280649-1_A, 280649-1_B
It is authorized to use of the marks	ENEC 16 and FI
Validity	This certificate is valid until 08 October 2017 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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	03 June 2015
Signature	SGS Fimko Ltd 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

LC1x30-E-CC, LC1x30-E-CC+LC1x30-SR:

U_{in}: 220-240V; 50/60Hz; λ 0,93c...0.96; t_c 75°C; t_a: -20°C...+50°C;
Class II; SELV; I_{out}: 350mA/500mA/700mA Constant current;
U_{out}: 10...60V/10...60V/10...43V; U_{out} max 80V; P_{out} max 30W

LC1x30-E-DA, LC1x30-E-DA Active, LC1x30-E-DA+LC1x30-SR:

U_{in}: 220-240V; 50/60Hz; λ 0,93c...0.96; t_c 75°C; t_a: -20°C...+50°C;
Class II; SELV; I_{out}: 350mA/500mA/700mA DALI Dimmable;
U_{out}: 10...60V/10...60V/10...43V; U_{out} max 80V; P_{out} max 30W

LC1x23-E-CC-500, LC1x23-E-CC-500+LC1x30-SR:

U_{in}: 220-240V; 50/60Hz; λ 0,95; t_c 75°C; t_a: -20°C...+50°C; Class II;
SELV; I_{out}: 500mA Constant current
U_{out}: 25...45V; U_{out} max 80V; P_{out} max 23W

LC1x30-E-AN, LC1x30-E-AN+LC1x30-SR, LC1x30-E-AN Coated:

U_{in}: 220-240V; 50/60Hz; λ 0,93c...0.96; t_c 75°C; t_a: -20°C...+50°C;
Class II; SELV; I_{out}: 350mA/500mA/700mA 1-10V Dimmable;
U_{out}: 10...60V/10...60V/10...43V; U_{out} max 80V; P_{out} max 30W

LC1x30-E-CC Coated, LC1x30-E-CC Coated+LC1x30-SR:

U_{in}: 220-240V; 50/60Hz; λ 0,93c...0.96; t_c 75°C; t_a: -40°C...+50°C;
Class II; SELV; I_{out}: 350mA/500mA/700mA
U_{out}: 10...60V/10...60V/10...43V; U_{out} max 80V; P_{out} max 30W

LC1x30-E-DA Coated, LC1x30-E-DA Coated+LC1x30-SR,
LC1x30-E-DA-nDim:

U_{in}: 220-240V; 50/60Hz; λ 0,93c...0.96; t_c 75°C; t_a: -40°C...+50°C;
Class II; SELV; I_{out}: 350mA/500mA/700mA DALI-controllable
U_{out}: 10...60V/10...60V/10...43V; U_{out} max 80V; P_{out} max 30W

Additional information



This certificate replaces earlier certificate ENEC FI 2015006, dated 19 January 2015. Added to new models. Changed address of manufacturing site in Poland. This product has CB certificate No. FI 8656 M1 issued by SGS Fimko Ltd in accordance with the CB system.