

CERTIFICATE ENEC/FI 2018035



Our Ref. 292858-1

Product Electronic controlgear for LED module

Rating and principal characteristics See page 2

Trade mark (if any) HELVAR

Type LL1x23-80-E-CC, LL1x10-42-E-CC, LL1x110-E-CC-200-350

Name and address of the licensee / Manufacturer
Helvar Oy Ab,
Keilaranta 5
FI-02150 Espoo
Finland

Is in conformity with
EN 61347-2-13:2014 + A1:2017
EN 61347-1:2015 + A1:2018
EN 62384:2006 + A1:2009

As shown in the Test Report(s) No(s) 292858-1, 276274-1_B, 276274-1_B Amendment No. 1, 274457-1_B

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

Validity This certificate is valid until 08 June 2023 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.

Directive information 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.

With the following limitations -

Date of issue 08 June 2018

SGS Fimko Ltd

Signature


Peter Fagerstedt

Certification 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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Business ID 0978538-5

Member of the SGS Group (SGS SA)

Rating and principal characteristics

LL1x110-E-CC-200-350:

220 – 240V; 0/50 – 60Hz; λ 0,98; Constant Current I-LED / U-LED / Prated:
200 mA / 120 – 350 V / 70W or 350 mA / 120 – 314 V / 110W;
U-OUT: 400 V; ta -20...+50 °C; tc +75 °C

LL1x23-80-E-CC:

220 – 240V; 0/50 – 60Hz; λ 0,98; Constant Current I-LED / U-LED / Prated:
150 mA / 150 – 350 V / 52,5W or 200 mA / 120 – 350 V / 70W or
350 mA / 120 – 228 V / 80W; U-OUT: 400 V; ta -20...+50 °C; tc +75 °C

LL1x10-42-E-CC:

220-240V; 0/50-60Hz; λ 0,98; Constant Current I-LED / U-LED / Prated:
120mA / 80...350V / 42W or 140mA / 80...300V / 42W or
350mA / 30...120V / 42W; U-OUT: 400V; ta: -20...+50°C; tc +75°C

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Manufacturing site(s)

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