

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Electronic controlgear for LED module

Name and address of the applicant

Helvar Oy Ab
Keilaranta 5
FI-02150 Espoo
Finland

Name and address of the manufacturer

Helvar Oy Ab
Keilaranta 5
FI-02150 Espoo
Finland

Name and address of the factory

See page 3

Note: When more than one factory, please report on page 2

☒ Additional Information on page 2

Ratings and principal characteristics

See page 2

Trademark (if any)

HELVAR

Customer's Testing Facility (CTF) Stage used

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Model / Type Ref.

LL1x23-80-E-CC, LL1x10-42-E-CC, LL1x110-E-CC-
200-350Additional information (if necessary may also be
reported on page 2)☐ Additional Information on page 2A sample of the product was tested and found
to be in conformity withIEC 61347-2-13:2014
IEC 61347-2-13:2014/AMD1:2016
IEC 61347-1:2015, IEC 61347-1:2015/AMD1:2017
IEC 62384:2006, IEC 62384:2006/AMD1:2009As shown in the Test Report Ref. No. which
forms part of this Certificate292858-1
276274-1_B
276274-1_B Amendment No. 1
274457-1_B

This CB Test Certificate is issued by the National Certification Body

SGS Fimko Ltd.
Särkiniementie 3
FI-00210 Helsinki, Finland

Date: 2018-06-08

Signature:

Peter Fagerstedt
Certification Manager
SGS Fimko Ltd.

Ratings 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; t_a -20...+50 °C; t_c +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; t_a -20...+50 °C; t_c +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; t_a -20...+50°C; t_c +75°C

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FI-00210 Helsinki, Finland


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Signature:



Peter Fagerstedt
Certification Manager

Name and address of the factories:

1. Helvar Oy Ab
Yrittäjätie 23,
FI-03600 Karkkila,
Finland

SGS Fimko Ltd.
Särkiniementie 3
FI-00210 Helsinki, Finland

SGS**SGS Fimko Ltd.**

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Signature:



Peter Fagerstedt
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