

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST  
CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

## CB TEST CERTIFICATE

## CERTIFICAT D'ESSAI OC

Product  
Produit

Electronic control gear for LED module

Name and address of the applicant  
Nom et adresse du demandeurHelvar Oy Ab  
PL 100  
FI-03601 KARKKILA, FINLANDName and address of the manufacturer  
Nom et adresse du fabricantHelvar Oy Ab  
Yrittäjätie 23  
FI-03600 KARKKILA  
FINLANDName and address of the factory  
Nom et adresse de l'usineNote: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>ème</sup> pageRatings and principal characteristics  
Valeurs nominales et caractéristiques principales Additional Information on page 2

See page 2

Trademark (if any)  
Marque de fabrique (si elle existe)

HELVAR

Model / Type Ref.  
Ref. De typeLC1x30-E-DA, LC1x30-E-CC, LC1x30-E-CC+LC1x30-SR,  
LC1x30-E-DA+LC1x30-SR, LC1x30-E-AN, LC1x30-E-AN +  
LC1x30-SR, LC1x23-E-CC-500, LC1x23-E-CC-  
500+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-nDimAdditional information (if necessary may also be reported  
on page 2)  
Les informations complémentaires (si nécessaire,, peuvent  
être indiqués sur la 2<sup>ème</sup> page Additional Information on page 2A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à laIEC 61347-2-13:2006 (Ed 1)  
IEC 61347-1:2007 (Ed 2) + A1:2010 + A2:2012As shown in the Test Report Ref. No. which forms part of  
this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat270828-1\_A, 270828-1\_A Amendment -1...3  
277027-2A, 278669-1\_A, 280649-1\_AThis CB Test Certificate is issued by the National Certification Body of Finland  
Ce Certificat d'essai OC est établi par l'Organisme National de Certification de Finlande

(SGS Fimko's ref.no. 278669-1)

SGS Fimko Ltd

Date: 03 June 2015

Signature:

Pasi Orreveläinen  
Team Leader

SGS

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

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

U<sub>in</sub>: 220-240V; 50/60Hz;  $\lambda$  0,93c...0.96; t<sub>c</sub> 75°C; t<sub>a</sub>: -20°C...+50°C; Class II; SELV;  
I<sub>out</sub>: 350mA/500mA/700mA Constant current;  
U<sub>out</sub>: 10...60V/10...60V/10...43V; U<sub>out</sub> max 80V; P<sub>out</sub> max 30W

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

U<sub>in</sub>: 220-240V; 50/60Hz;  $\lambda$  0,93c...0.96; t<sub>c</sub> 75°C; t<sub>a</sub>: -20°C...+50°C; Class II; SELV;  
I<sub>out</sub>: 350mA/500mA/700mA DALI Dimmable;  
U<sub>out</sub>: 10...60V/10...60V/10...43V; U<sub>out</sub> max 80V; P<sub>out</sub> max 30W

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

U<sub>in</sub>: 220-240V; 50/60Hz;  $\lambda$  0,95; t<sub>c</sub> 75°C; t<sub>a</sub>: -20°C...+50°C; Class II; SELV;  
I<sub>out</sub>: 500mA Constant current  
U<sub>out</sub>: 25...45V; U<sub>out</sub> max 80V; P<sub>out</sub> max 23W

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

U<sub>in</sub>: 220-240V; 50/60Hz;  $\lambda$  0,93c...0.96; t<sub>c</sub> 75°C; t<sub>a</sub>: -20°C...+50°C; Class II; SELV;  
I<sub>out</sub>: 350mA/500mA/700mA 1-10V Dimmable;  
U<sub>out</sub>: 10...60V/10...60V/10...43V; U<sub>out</sub> max 80V; P<sub>out</sub> max 30W

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

U<sub>in</sub>: 220-240V; 50/60Hz;  $\lambda$  0,93c...0.96; t<sub>c</sub> 75°C; t<sub>a</sub>: -40°C...+50°C; Class II; SELV;  
I<sub>out</sub>: 350mA/500mA/700mA  
U<sub>out</sub>: 10...60V/10...60V/10...43V; U<sub>out</sub> max 80V; P<sub>out</sub> max 30W

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

U<sub>in</sub>: 220-240V; 50/60Hz;  $\lambda$  0,93c...0.96; t<sub>c</sub> 75°C; t<sub>a</sub>: -40°C...+50°C; Class II; SELV;  
I<sub>out</sub>: 350mA/500mA/700mA DALI-controllable  
U<sub>out</sub>: 10...60V/10...60V/10...43V; U<sub>out</sub> max 80V; P<sub>out</sub> max 30W

**Additional information (if necessary)**  
**Information complémentaire (si nécessaire)**

Date: 03 June 2015

Signature:

**SGS Fimko Ltd**

*Pasi Orreveläinen*  
Pasi Orreveläinen  
Team Leader

**SGS**