

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'usine

See page 3

Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} page Additional Information on page 3Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

See page 2

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

Helvar

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

-

Model / Type Ref.
Ref. De typeLL1x20-E-CC, LL1x20-E-CC Coated
LL1x20-E-DA, LL1x20-E-DA Coated
LL1x20-E-DA-nDimAdditional information (if necessary may also be reported
on page 2)
Les informations complémentaires (si nécessaire,, peuvent
être indiqués sur la 2^{ème} pageThis certificate replaces previous CB certificate No.
FI 8196 A1, dated 04 June 2014, due to added models.A 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 Certificat272473-1_A
272473-1_A Amendment-1...-2This 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. 279667-1)

Date: 19 March 2015

Signature:

SGS Fimko Ltd

Pasi Orreveteläinen
Team Leader

SGS

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

LL1x20-E-CC: 220-240VAC; 50-60Hz; constant current 350mA/10...57V or 500mA/10...40V or 700mA/10...28V; λ 0,9c; P-outmax 20W; Uoutmax 80V; ta -20...+50°C/+45°C; tc 75°C; class II; SELV

LL1x20-E-DA: 220-240VAC; 50-60Hz; dimmable constant current 350mA/10...57V or 500mA/10...40V or 700mA/10...28V; λ 0,9c; P-outmax 20W; Uoutmax 80V; ta -20...+50°C/+45°C; tc 75°C; class II; SELV

LL1x20-E-CC Coated: 220-240VAC; 50-60Hz; constant current 350mA/10...57V or 500mA/10...40V or 700mA/10...28V; λ 0,9c; P-outmax 20W; Uoutmax 80V; ta -40...+50°C/+45°C; tc 75°C; class II; SELV

LL1x20-E-DA Coated and LL1x20-E-DA-nDim: 220-240VAC; 50-60Hz; dimmable constant current 350mA/10...57V or 500mA/10...40V or 700mA/10...28V; λ 0,9c; P-outmax 20W; Uoutmax 80V; ta -40...+50°C/+45°C; tc 75°C; class II; SELV

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

Date: 19 March 2015

Signature:

SGS Fimko Ltd

Pasi Orreveteläinen
Pasi Orreveteläinen
Team Leader

SGS