Ref. Certif. No.

FI 8471

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product Produit	Electronic ballast for tubular fluorescent lamps
Name and address of the applicant Nom et adresse du demandeur	Helvar Oy Ab PL 100 FI-03601 KARKKILA, FINLAND
Name and address of the manufacturer Nom et adresse du fabricant	Helvar Oy Ab Yrittäjäntie 23 FI-03600 KARKKILA, FINLAND
Name and address of the factory Nom et adresse de l'usine Note: *When more than one factory, please report on page 2* Note: *Lorsque il y plus d'une usine, veuillez utiliser la 2ème page*	See page 3 ☒ Additional Information on page 3
Ratings 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 type	EL1/2x9-13TCs, EL1/2x14/17TCs, EL1/2x36/38TCs, EL1x9-13TCs, EL1x14/17TCs, EL2x32/42TCs
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire,, peuvent être indiqués sur la 2ème page	The Electronic ballast is also classified as an independent lamp controlgear when housed in an enclosure of trademark "Helvar" and type designation "EL-TCs-case",
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 la	IEC 61347-2-3:2011 (Ed 2) IEC 61347-1:2007 (Ed 2) + A1:2010 + A2:2012 IEC 60929:2011 (Ed 4)
As 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 Certificat	243982-1a, 243982-1a Modification-1, 243982-1a Amendment-1, 243982-1a Amendment-2, 262642-1_A, 262642-1_A Amendment-1, 262729-1_A 243981-1_A, 243981-1_A Modification-1, 243981-1_A Modification-2, 243981-1_A Amendment-1 242976-1e, 243981-1_E, 268881-1_E

This 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. 275870-1)

Date: 16 September 2014

Signature:

SGS Fimko Ltd

Pasi Orreveteläinen
Team Leader

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Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

- EL1x9-13TCs: 1x FSQ-10-G24q=1 / 1x FSQ-13-G24q=1 / 1x FSM-13-GX24q=1 / 1x FSD-9-2G7 / 1x FSD-11-2G7 / 1x FSS-10-GR10q / 1x FSS-16-GR10q; 220-240V; 0/50-60Hz; tc 75°C; λ > 0,90; U-out 250V

- EL1/2x9-13TCs: 1-2x FSQ-10-G24q=1 / 1-2x FSQ-13-G24q=1 / 1-2x FSM-13-GX24q=1 / 1-2x FSD-9-2G7 / 1-2x FSD-11-2G7 / 1-2x FSS-10-GR10q / 1-2x FSS-16-GR10q; 220-240V; 0/50-60Hz; tc 75°C; λ > 0,90; U-out 250V

- EL1x14/17TCs: 1x FSM6H-14-L/GR14q-1 / 1x FSM6H-17-L/GR14q-1; 220-240V; 0/50-60Hz; tc 75°C; λ > 0,91; U-out 300V

- EL1/2x14/17TCs: 1-2x FSM6H-14-L/GR14q-1 / 1-2x FSM6H-17-L/GR14q-1; 220-240V; 0/50-60Hz; tc 75°C; λ > 0,91; U-out 300V

- EL1/2x36/38TCs: 1-2x FSD-36-2G11 / 1-2x FSS-36-2G10 / 1-2x FSS-38-GR10q; 220-240V; 0/50-60Hz; tc 75°C; λ > 0,95; U-out 300V

- EL2x32/42TCs: 2x FSQ-26-E-G24q=3 / 2x FSM-26-E-GX24q=3 / 2x FSMH-32-L/P-GX24q=3 / 2x FSMH-42-L/P-GX24q=4 / FSCH-22-2GX13 + FSCH-40-2GX13; 220-240V; 0/50-60Hz; tc 75°C; λ > 0,98; U-out 300V

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

SGS Fimko Ltd

Date: 16 September 2014 Signature:

Pasi Orreveteläinen
Team Leader

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