

CERTIFICATE

Issued to:
Applicant:
Helvar Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Licensee:
Helvar Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Product : LED driver
Trade name(s) : Helvar
Type(s)/model(s) : LC1x30-E-AN, LC1x30-E-CC, LC1x30-E-CC-Coated and LC1x30-E-DA

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to EN 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 4351636

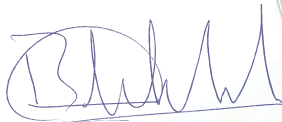
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

This certificate is issued on 7 November 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-132322

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED driver
Trade name(s)	: Helvar
Type(s)/model(s)	: LC1x30-E-AN, LC1x30-E-CC, LC1x30-E-CC-Coated and LC1x30-E-DA
Rated voltage	: 220-240 VAC/VDC
Rated frequency	: 50-60 Hz
Rated power	: 21W-30W
Class of insulation	: Class II
Ambient temperature	: -20-50 °C
Max. case temperature	: 75 °C
Additional information	: built-in controlgear with double or reinforced insulation without cable clamps, independent control gear with cable clamps, SELV, non-inherently short-circuit proof, 120 °C thermal protection

Product data – type LC1x30-E-AN

Input current	: 0,14-0,18 A
Power factor	: 0,45c-0,93 or 0,56c-0,96 or 0,75c-0,96

Product data – type LC1x30-E-CC

Input current	: 0,14-0,18 A
Power factor	: 0,43c-0,93 or 0,58c-0,96 or 0,69c-0,96

Product data – type LC1x30-E-CC-Coated

Input current	: 0,14-0,18 A
Power factor	: 0,43c-0,93 or 0,58c-0,96 or 0,69c-0,96

Product data – type LC1x30-E-DA

Input current	: 0,14-0,18 A
Power factor	: 0,43c-0,93 or 0,58c-0,96 or 0,69c-0,96

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 439817400.

Additional information

The list of components is laid down in test report 4398174.50, 4398174.51.

Conclusion

The examination proved that all requirements were met.

Factory locations

Helvar Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Trade name(s) : Helvar stands for

Helvar