

CERTIFICATE

Issued to:

Applicant:

Helvar Components Oy Ab
Yrittäjätie 23
03600 Karkkila, Finland

Licensee:

Helvar Components Oy Ab
Yrittäjätie 23
03600 Karkkila, Finland

Product : Electronic controlgear (LED driver)
Trade name(s) : Helvar Components
Type(s)/model(s) : LL1x150-E-CC, LL1x80-E-CC-350-700 and LL1x110-E-CC-350-700

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

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

- 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

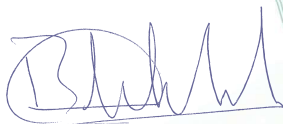
DEKRA hereby grants the right to use the ENEC certification mark.

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 22 October 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-166185

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Kreny Lin
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic controlgear (LED driver)
Trade name(s)	: Helvar Components
Type(s)/model(s)	: LL1x150-E-CC, LL1x80-E-CC-350-700 and LL1x110-E-CC-350-700
Rated input voltage	: 220-240 VAC/DC
Rated frequency	: 50-60/0 Hz
Constant current	: 350-700mA
Ambient temperature (ta)	: -25 - 50°C
Max. case temperature (tc)	: 85°C
Additional information	: built-in, auto-wound, non-inherently short-circuit proof, 120°C thermal protection, EL-mark

Product data – type LL1x110-E-CC-350-700

Input current	: 0,4-0,6A
Power factor	: 0,95-0,98
Rated wattage	: 110W

Product data – type LL1x150-E-CC

Input current	: 0,5-0,8A
Power factor	: 0,97-0,98
Rated wattage	: 122,5-150W

Product data – type LL1x80-E-CC-350-700

Input current	: 0,33-0,43A
Power factor	: 0,94c-0,98
Rated wattage	: 80W

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 documented in DEKRA test file 4937218.50,4937218.51.

Additional information

This certificate replaces certificate No. 35-129927 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 4937218.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory locations

Helvar Components Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Trade name(s) : Helvar Components stands for

Helvar
Components