

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) : LC60DS-CC-1050-1700

The product and any acceptable variation thereto is 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 the standard(s) 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

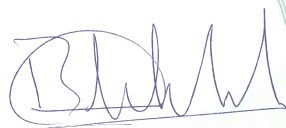
DEKRA hereby grants the right to use the ENEC certification mark.

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 19 September 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-119818 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
 Managing Director



K. Lin
 Certification Manager

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 DUTCH ACCREDITATION
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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED driver
Trade name(s)	: HELVAR
Type(s)/model(s)	: LC60DS-CC-1050-1700
Rated voltage	: 220-240 Vac or 198-254 Vdc
Rated frequency	: 50-60 Hz
Degree of protection	: IP20
Additional information	: non-inherently short-circuit proof, 110°C thermal protection, EL-mark

Product data – type LC60DS-CC-1050-1700

Rated input current	: 0,44 A Max.
Output Voltage	: 17-46 Vdc, 60 Vdc Max.
Output Current	: 1050-1700 mA
Max. output wattage	: 46,2-60,8 W
Ambient temperature (ta)	: -20...+45°C
Max. case temperature (tc)	: 85°C
PF	: 0.9C-0,97

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 439131100.

Additional information

This certificate replaces certificate No. 35-119818 which we hereby declare invalid.

The list of components is laid down in test report 4391311.51, 4391311.52.

Conclusion

The examination proved that all requirements were met.

Factory locations

The factory locations are registered with the numbers 309635 and 26359.