

CERTIFICATE

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

Licensee:
Helvar Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Product : Electronic controlgear for LED modules
Trade name(s) : HELVAR
Type(s)/model(s) : LC38MINI-DA-300-1050, LC38MINI-DA-300-1050-SR, LC42MINI-CC-300-1050
and LC42MINI-CC-300-1050-SR

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 EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 62384:2006 and EN 62384:2006/A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 4351636

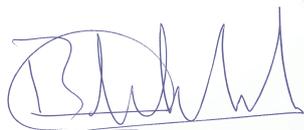
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 9 July 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-109307

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	: Electronic controlgear for LED modules
Trade name(s)	: HELVAR
Type(s)/model(s)	: LC38MINI-DA-300-1050, LC38MINI-DA-300-1050-SR, LC42MINI-CC-300-1050 and LC42MINI-CC-300-1050-SR
Primary voltage	: 220-240 V
Nature of supply	: alternate current
Rated frequency	: 50-60 Hz
Power factor	: 0,95 (Prated \geq 15 W)
Type of load	: LED modules, power LED
Type of thermal protection	: 110
Classification	: Independent, Built in

Product data – type LC38MINI-DA-300-1050 and LC38MINI-DA-300-1050-SR

Primary current	: 0,2 A
Working voltage U-OUT	: 59 V
Ambient temperature	: From -25 to 50 °C
Rated maximum temperature (tc)	: 85 °C
Rated emergency d.c. range	: From 196 to 250 V

Product data – type LC42MINI-CC-300-1050 and LC42MINI-CC-300-1050-SR

Primary current	: 0,23 A
Working voltage U-OUT	: 55 V
Ambient temperature	: From -25 to 45 °C
Rated maximum temperature (tc)	: 80 °C
Rated emergency d.c. range	: From 189 to 255 V

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN 62384:2006
EN 62384:2006/A1:2009

Test result

The test results are laid down in DEKRA test file 350033600.

Additional information

For specific Model/Type electrical rating refer to following pages.

DEKRA test report No. 2102760.50 and 2102760.60 are laid down in DEKRA test file 350033600; they contain test results and critical component list.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 854975.