

CERTIFICATE

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

Licensee:
Helvar Oy Ab
Yrittäjäntie 23
03600 Karkkila, Finland

Product : Built-in LED controlgear
Trade name(s) : Helvar
Type(s)/model(s) : LL30HE-CC-300 and LL35HE-CC-350

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/A1:2009 and EN 62384:2006
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 4351636

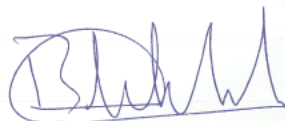
DEKRA hereby grants the right to use the ENEC certification mark.

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 14 May 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-113753

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED controlgear
Trade name(s)	: Helvar
Type(s)/model(s)	: LL30HE-CC-300 and LL35HE-CC-350
Rated input voltage	: 220-240 VAC/DC
Ambient temperature (ta)	: -25...50 °C
Max. case temperature (tc)	: 70 °C
Rated input current	: LL35HE-CC-350: 0,13-0,18 A; LL30HE-CC-300: 0,12-0,16 A
Rated frequency	: 50-60 Hz
Power factor	: 0,98
Output voltage	: 40-105 Vdc, U-OUT: 250 V
Output current	: LL35HE-CC-350: 350 mA; LL30HE-CC-300: 300 mA
Rated output power	: LL35HE-CC-350: 36,8 W; LL30HE-CC-300: 31,5 W
Additional information	: non-inherently short-circuit proof, 130 °C thermal protection, EL-mark

TESTS**Test requirements**

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

Test result

The test results are laid down in DEKRA test file 435233500.

Additional information

The list of components is laid down at test report 4352335.50, 4352335.51.

Conclusion

The examination proved that all requirements were met.