

CERTIFICATE

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

Licensee:
Helvar Oy Ab
Yrittäjätie 23
03600 Karkkila, Finland

Product : Built-in LED controlgear
Trade name(s) : Helvar
Type(s)/model(s) : LL25SE-CC-150-500-NFC, LL35SE-CC-250-850-NFC and
LL50SE-CC-350-1400-NFC

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 61347-1:2015, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, 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 28 June 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-114520

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
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)	: LL25SE-CC-150-500-NFC, LL35SE-CC-250-850-NFC and LL50SE-CC-350-1400-NFC
Rated input voltage	: 220-240 VAC/DC
Rated frequency	: 50-60 Hz
No load voltage	: 60 Vdc
Power factor	: 0,98
Additional information	: non-inherently short-circuit proof, 120 °C thermal protection, EL mark

Product data – type LL25SE-CC-150-500-NFC

Input Current	: 0,13-0,14 A
Ta	: -25-65 °C
Tc	: 80 °C

Product data – type LL35SE-CC-250-850-NFC

Input Current	: 0,17-0,19 A
Ta	: -25-55 °C
Tc	: 75 °C

Product data – type LL50SE-CC-350-1400-NFC

Input Current	: 0,22-0,26 A
Ta	: -25-45 °C
Tc	: 80 °C

TESTS**Test requirements**

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

Test result

The test results are laid down in DEKRA test file 436047300.

Additional information

The list of components is laid down at test report 4360473.50.

Conclusion

The examination proved that all requirements were met.

Factory location

Trade name(s) : Helvar stands for
Helvar

Model list:

Model No.	Output			
	Constant current (mA)	Working voltage (Vdc)	No load voltage (Vdc)	Power (W)
LL25SE-CC-150-500-NFC	150	33-54	60	8,1
	250	25-54		13,5
	350	25-54		18,9
	500	25-50		25
	150-500 (NFC)	25-54		5-25
LL35SE-CC-250-850-NFC	350	29-54	60	18,9
	500	25-54		27
	700	25-50		35
	850	25-42		35,7
	350-850 (NFC)	25-54		10,2-35,7
LL50SE-CC-350-1400-NFC	350	33-54	60	18,9
	700	25-54		37,8
	1050	25-48		50,4
	1400	25-36		50,4
	350-1400 (NFC)	25-54		11,5-50,4