

CERTIFICATE

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

Licensee:
Helvar Components Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Product : Built-in LED controlgear
Trade name(s) : Helvar
Type(s)/model(s) : LL120HE-CC-200-900-IND, LL165HE-CC-300-1050-IND and
LL80HE-CC-200-800-IND

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

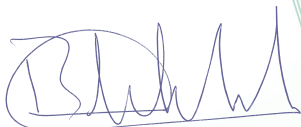
DEKRA hereby grants the right to use the ENEC certification mark.

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 18 September 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-146970

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED controlgear
Trade name(s)	: Helvar
Type(s)/model(s)	: LL120HE-CC-200-900-IND, LL165HE-CC-300-1050-IND and LL80HE-CC-200-800-IND
Rated input voltage	: 220-240 AC/DC
Rated frequency	: 50-60 Hz
Additional information	: auto-wound, non-inherently short-circuit proof, 120 °C thermal protection, EL mark

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 492533200.

Additional information

This certificate replaces certificate No. 35-140934 which we hereby declare invalid.

The list of components is laid down in test report 4925332.50,4925332.51.

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 stands for

Helvar Components

Model description:

Model No.	Input			Output				tc (°C)
	Voltage (VAC/VDC)	Current (A)	PF	Constant current (mA)	Working voltage (Vdc)	No load voltage (Vdc)	Power (W)	
LL80HE-CC-200-800-IND	220-240	0,36-0,41	0,45c 0,99	200-800 mA	50-330	350	66-80	90
				350 mA	50-228		80	
				800 mA	50-100		80	
LL120HE-CC-200-900-IND	220-240	0,54-0,59	0,58c 0,99	200-900 mA	50-330	350	60-120	90
				350 mA	50-330		116	
				900 mA	50-133		120	
LL165HE-CC-300-1050-IND	220-240	0,72-0,8	0,65c 0,99	300-1050 mA	50-330	350	99-165	90
				350 mA	50-330		116	
				1050 mA	50-157		165	

Remark:
 For model LL165HE-CC-300-1050-IND: ta -40-70 °C@ I-LED 300 mA, ta -40-60 °C@ I-LED>300-500 mA, ta -40-50 °C@ I-LED>500-1050 mA.
 For model LL120HE-CC-200-900-IND: ta -40-70 °C@ I-LED 200 mA, ta -40-60 °C@ I-LED>200-500 mA, ta -40-55 °C@ I-LED>500-700 mA, ta -40-50 °C@ I-LED>700-900 mA.
 For model LL80HE-CC-200-800-IND: ta -40-70 °C.