

CERTIFICATE

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

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

Product : Built-in LED controlgear
Trade name(s) : Helvar Components
Type(s)/model(s) : LL100HE-CC-250-700, LL100HE-CC-450, LL100HE-CC-600,
LL35HE-CC-120-450 and LL65HE-CC-250-700

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

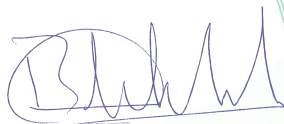
DEKRA hereby grants the right to use the ENEC certification mark.

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 12 June 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-159283

DEKRA Certification B.V.

A handwritten signature in blue ink, appearing to read "B.T.M. Holtus".

B.T.M. Holtus
Managing Director

A handwritten signature in blue ink, appearing to read "Kreny Lin".

Kreny 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 Components
Type(s)/model(s)	: LL100HE-CC-250-700, LL100HE-CC-450, LL100HE-CC-600, LL35HE-CC-120-450 and LL65HE-CC-250-700
Rated input voltage	: 220-240 V
Rated frequency	: 0/50-60 Hz
Ambient temperature (ta)	: -25 - 50 °C
No load voltage	: 250 Vdc
Additional information	: auto-wound, built-in controlgear, non-Inherently short-circuit proof, EL-mark

Product data – type LL100HE-CC-250-700, LL100HE-CC-450, LL100HE-CC-600 and LL65HE-CC-250-700

Additional information	: 130 °C thermal protection
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Product data – type LL35HE-CC-120-450

Additional information	: 120 °C thermal protection
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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 493721200.

Additional information

This certificate replaces certificate No. 35-156285 which we hereby declare invalid.

The list of components is laid down in test report 4937212.50.

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 Components stands for

Helvar
Components

Model list:

Model No.	Input			Output				I _{set}	ta (°C)	tc (°C)
	Voltage (VAC / VDC)	Current (A)	PF	Current (mA)	Voltage (Vdc)	No load voltage (Vdc)	Power (W)			
LL35HE-CC-120-450	220-240	0,13-0,18	0,70c - 0,98	120	40-220	250	26,4	R=∞ Ω	-25-50	80
				450	40-78		35,1	R=0 Ω		
LL65HE-CC-250-700	220-240	0,29-0,32	0,78c - 0,98	250	50-220	250	55	R=∞ Ω	-25-50	75
				700	50-93		65	R=0 Ω		
LL100HE-CC-250-700	220-240	0,40-0,54	0,84c - 0,98	350	50-220	250	77	Fixed	-25-50	75
				250	50-220		55	R=∞ Ω		
				700	50-143		100	R=0 Ω		
LL100HE-CC-450	220-240	0,40-0,54	0,84c - 0,98	450	50-220	250	100	--	-25-50	75
LL100HE-CC-600	220-240	0,40-0,54	0,84c - 0,98	600	50-166	250	100	--	-25-50	75