

CERTIFICATE

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

Licensee:
Helvar Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Product : Built-in LED controlgear
Trade name(s) : Helvar
Type(s)/model(s) : LL65HE-CC-175-350-DS and LL65HE-CC-200-450-DS

The product and any acceptable variation thereto as 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 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

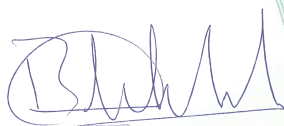
DEKRA hereby grants the right to use the ENEC certification mark.

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 1 December 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-133342

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED controlgear
Trade name(s)	: Helvar
Type(s)/model(s)	: LL65HE-CC-175-350-DS and LL65HE-CC-200-450-DS
Input current	: 0,29-0,32 A
Rated voltage	: 220-240 VAC/DC
Rated frequency	: 50-60 Hz
Ambient temperature	: -25...50 °C
Additional information	: built-in, auto-wound controlgear, non-Inherently short-circuit proof, 130 °C thermal protection, EL-mark

Product data – type LL65HE-CC-175-350-DS

Power factor	: 0,86c-0,98
Rated wattage	: 38,5-65 W
Max. case temperature	: 75 °C

Product data – type LL65HE-CC-200-450-DS

Power factor	: 0,98 (Pout ≥ 40 W)
Rated wattage	: 44-65 W
Max. case temperature	: 80 °C

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 laid down in DEKRA test file 490863800.

Additional information

The list of components is laid down in test report 4908638.50, 4908638.51.

Conclusion

The examination proved that all requirements were met.

Factory locations

Helvar Oy Ab
Yrittajantie 23
03600 Karkkila, Finland

Trade name(s) : Helvar stands for

Helvar

Model list

Model No.	Input			Output				DIP (1 2 or 1 2 3)	ta (°C)	tc (°C)
	Voltage (VAC/ VDC)	Current (A)	PF	Current (mA)	Voltage (Vdc)	No load voltage (Vdc)	Power (W)			
LL65HE- CC-175- 350-DS	220-240	0,29- 0,32	0,86c- 0,98	175	115-220	250	38,5	0 0	-25- 50	75
				250	90-220		55	1 0		
				300	75-217		65	0 1		
				350	65-186		65	1 1		
LL65HE- CC-200- 450-DS	220-240	0,29- 0,32	0,98 (Pout ≥ 40 W)	200	70-220	250	44	0 0 0	-25- 50	80
				250	70-220		55	1 0 0		
				300	70-217		65	0 1 0		
				350	65-186		65	1 1 0		
				400	56-163		65	0 1 1		
				450	50-145		65	1 1 1		