

CERTIFICATE

Issued to:

Applicant:

Helvar Components Oy Ab
Yrittäjantie 23
03600 Karkkila, Finland

Licensee:

Helvar Components Oy Ab
Yrittäjantie 23
03600 Karkkila, Finland

Product : Built-in LED controlgear
Trade name(s) : Helvar Components
Type(s)/model(s) : LL1x10-42-E-CC, LL1x110-E-CC-200-350 and LL1x23-80-E-CC

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

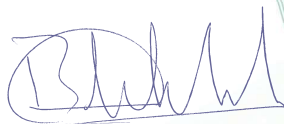
DEKRA hereby grants the right to use the ENEC certification mark.

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 26 August 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-163479

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Kreny Lin
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED controlgear
Trade name(s)	: Helvar Components
Type(s)/model(s)	: LL1x10-42-E-CC, LL1x110-E-CC-200-350 and LL1x23-80-E-CC
Rated input voltage	: 220-240 VAC/VDC
Rated frequency	: 50-60 Hz
Ambient temperature (ta)	: -25...50 °C
Tc	: 85 °C
Power factor	: 0,98
Additional information	: built-in controlgear, non-inherently short-circuit proof, 120 °C thermal protection

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 4937224.50,4937224.51.

Additional information

This certificate replaces certificate No. 35-138249 which we hereby declare invalid.

The list of components is laid down in test report 4937224.50.

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				ta (°C)	tc (°C)
	Voltage (VAC/VDC)	Current (A)	PF	Constant current (mA)	Working voltage (Vdc)	No load voltage (V)	Power (W)		
LL1x110-E-CC-200-350	220-240	0,4-0,6	0,87c-0,98	200	120...350	400	70	-25...50	85
				350	120...314		110		
LL1x23-80-E-CC	220-240	0,34-0,44	0,86c-0,98	150	150...350	400	52,5	-25...50	85
				200	120...350		70		
				350	120...228		80		
LL1x10-42-E-CC	220-240	0,18-0,23	0,77c-0,98	120	80...350	400	42	-25...50	75
				140	80...300		42		
				350	30...120		42		