

CERTIFICATE

Issued to:

Applicant:
HELVAR COMPONENTS OY
Yrittajantie 23
03600 Karkkila, Finland

Licensee:
HELVAR COMPONENTS OY
Yrittajantie 23
03600 Karkkila, Finland

Product : Built-in LED drivers
Trade name(s) : Helvar
Type(s)/model(s) : LL42HEC-CC-200-350 and LL61HEC-CC-200-350

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

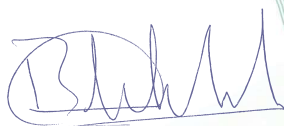
DEKRA hereby grants the right to use the ENEC certification mark.

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 22 April 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-157067

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 "Kate Xu".

Kate Xu
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED drivers
Trade name(s)	: Helvar
Type(s)/model(s)	: LL42HEC-CC-200-350 and LL61HEC-CC-200-350
Rated voltage	: 220-240 Vac/dc
Rated frequency	: 50-60 Hz
Ta	: -25-55°C
Tc	: 80°C
Additional information	: Auto-wound controlgear, built-in, class I construction, 110 °C thermal protection, constant current type, EL mark, EOFi: 1; Uout 250 Vdc

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 493376200.

Additional information

The list of components is laid down in test report 4933762.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

Trade name(s) : Helvar stands for

Helvar
Components

Model list:

Model no.	PIN1	PIN2	I _{rated} (mA)	P _{rated} (W)	U _{rated} (Vdc)	U _n /f _n	ta (°C)	tc (°C)	λ
LL42HEC-CC-200-350	0	0	200	24	35-120	220-240 Vac/dc, 50-60 Hz	-25-55	80	0,7C-0,98
	0	1	250	30					
	1	0	300	36					
	1	1	350	42					
LL61HEC-CC-200-350	0	0	200	40	70-200	220-240 Vac/dc, 50-60 Hz	-25-55	80	0,75C-0,98
	0	1	250	50					
	1	0	300	60					
	1	1	350	60,2	70-172				