

# CERTIFICATE

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

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

Product : LED driver  
 Trade name(s) : Helvar  
 Type(s)/model(s) : LL50iC-DA-100-1200

The product and any acceptable variation thereto is 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 the standard(s) 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

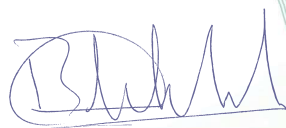
DEKRA hereby grants the right to use the ENEC certification mark.

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 13 July 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-124595

DEKRA Certification B.V.



B.T.M. Holtus  
 Managing Director



K. Lin  
 Certification Manager

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ACCREDITED BY THE  
 DUTCH ACCREDITATION  
 COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: LED driver
Trade name(s)	: Helvar
Type(s)/model(s)	: LL50iC-DA-100-1200
Rated voltage	: 220-240 VAC/VDC
Rated frequency	: 50-60 Hz
Input current	: 0,23-0,26 A
Max. case temperature (tc)	: 75 °C
Ambient temperature (ta)	: -25 - 45 °C
No load voltage	: 60 V
Additional information	: SELV, 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 laid down in DEKRA test file 438227800.

**Additional information**

The list of components is laid down in test report 4382278.50, 4382278.51.

**Conclusion**

The examination proved that all requirements were met.

**Factory locations**

Helvar Oy Ab  
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Trade name : Helvar stands for

# Helvar

Model list:

Model No.	Input			Output				I <sub>set</sub> (Ω)
	Voltage (VAC/ VDC)	Current (A)	PF	Current (mA)	Voltage (Vdc)	Power (W)	No load voltage (Vdc)	
LL50iC-DA-100-1200	220-240	0,23-0,26	0,4c-0,98	100	12-50	5	60	R=50 k
				350	12-50	17,5		R=∞
				1200	20-42	50,4		R=0