

CERTIFICATE

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

Licensee:
Helvar Oy Ab
Yrittäjantie 23
03600 Karkkila, Finland

Product : Electronic ballast for fluorescent lamps
Trade name(s) : Helvar
Type(s)/model(s) : EL1x18ngn, EL1x36ngn and EL1x58ngn

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 EN 61347-1:2015, EN 61347-2-3:2011, EN 61347-2-3:2011/A1:2017 and EN 60929:2011
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 4351636

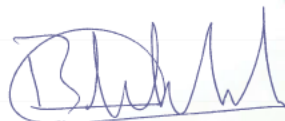
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 18 October 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-115994

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic ballast for fluorescent lamps
Trade name(s)	: Helvar
Type(s)/model(s)	: EL1x18ngn, EL1x36ngn and EL1x58ngn
Rated input voltage	: 220-240 VAC/VDC
Rated frequency	: 50-60 Hz
Power factor	: 0,98
U-OUT	: 250 V
Additional information	: 120 °C thermal protection, EL mark

Product data – type EL1x18ngn

Input current	: 0,09-0,08 A
Lamp power	: 1 x 18 W, T8 fluorescent lamp

Product data – type EL1x36ngn

Input current	: 0,16-0,15 A
Lamp power	: 1 x 36 W, T8 fluorescent lamp

Product data – type EL1x58ngn

Input current	: 0,26-0,23 A
Lamp power	: 1 x 58 W, T8 fluorescent lamp

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-2-3:2011
EN 61347-2-3:2011/A1:2017
EN 60929:2011

Test result

The test results are laid down in DEKRA test file 435163600.

Additional information

The list of components is laid down in test report 4351636.50.

Conclusion

The examination proved that all requirements were met.

Trade name(s) : Helvar stands for

Helvar