



Ref. Certif. No

NO128433

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Constant Voltage LED Driver

Name and address of the applicant

HELVAR OY AB
Yrittajantie 23, 03600 Karkkila
Finland

Name and address of the manufacturer

HELVAR OY AB
Yrittajantie 23, 03600 Karkkila
Finland

Name and address of the factory

See next page(s)

Note: When more than one factory, please report on page 2

 Additional Information on Page 2Ratings and Principal characteristics
Trademark /Brand (If any)

PRI: max. 1.0 A, 220-240 V~, 50/60 Hz

Customer's Testing Facility (CTF) Stage used

Model/Type Ref

LL45-CV24-DA, LL80-CV24-DA, LL150-CV24-DA

Additional information (If necessary may also be reported on Page 2)

Centralized emergency power supply:
176-280 V dc (for models LL45-CV24-DA and LL80-CV24-DA),
198-280 V dc (for model LL150-CV24-DA)
SEC: Max. 150.0 W, max. 6.25 A, 24.0 Vd.c. (under load), EOFv: 15%
Independent type, Class II, SELV, constant voltage output, thermal protected 110 °C, ta: -20 °C to 45 °C / -20 °C to 50 °C, tc: 85 °C.
 Additional Information on Page 2

A sample of the product was tested and found to be in conformity with

IEC 61347-1:2015, IEC 61347-1:2015/AMD1:2017
IEC 61347-2-13:2014, IEC 61347-2-13:2014/AMD1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

REP018550

This CB Test Certificate is issued by the National Certification Body

Philip Pedersen vei 11,
NO-1366 Lysaker, Norway
Date: 29-11-2023Signature: Jiyea Gim
Certification department



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Additional Information (if necessary)



Philip Pedersen vei 11,
NO-1366 Lysaker, Norway
Date: 29-11-2023

Jiyea Gim

Signature: Jiyea Gim
Certification department