

CERTIFICATE ENEC16/FI/19/10032



Our Ref. HEL-CERT190400244-02

Name and address of the licensee

Helvar Oy Ab
Keilaranta 5
FI-02150 Espoo
Finland

Product

Electronic controlgear for LED modules, controllable

Trade mark (if any)

TCI

Types

R-LED 80/700 DALI SLIM
R-LED 110/700 DALI SLIM
R-LED 150/700 DALI SLIM
R-LED 42/350 DALI SLIM
R-LED 80/350 DALI SLIM

Rating and principal characteristics

See page 2

Is complying with the following European Standards

EN 61347-2-13:2014 + A1:2017
EN 61347-1:2015
EN 62384:2006 +A1:2009

It is authorized to use the ENEC Mark in conjunction with the suffix 16, as shown above.

Validity

This certificate is valid until 11 April 2024 provided that the Conditions for ENEC certification are met. This certificate includes the right to use the ENEC 16 mark under the condition that product changes (if any) will be approved at SGS Fimko before the product is brought onto market.

Directive information

The certified product(s) fulfils requirements of above mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU) at the date of issue of the certificate.

This certificate has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

Date of issue

11 April 2019

SGS Fimko Ltd

Signature

Joonas Leinonen

Specialist

This certificate has 3 pages



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Name and address of the Manufacturer

Same as applicant

Rating and principal characteristics



R-LED 80/700 DALI SLIM:

220-240 V; 0/50-60 Hz; Iout/Vout: 350 mA / 50...220 V or 700 mA / 35...114 V; λ 0,98; U-OUT: 250 V; Prated: 80 W; ta: -20...+50 °C; tc: 75 °C; EL-marked

R-LED 110/700 DALI SLIM:

220-240 V; 0/50-60 Hz; Iout/Vout: 350 mA / 120...314 V or 700 mA / 50...157 V; λ 0,98; U-OUT: 400 V; Prated: 110 W; ta: -25...+50 °C; tc: 75 °C

R-LED 150/700 DALI SLIM:

220-240 V; 0/50-60 Hz; Iout/Vout: 350 mA / 257...350 V or 700 mA / 128...214 V; λ 0,98; U-OUT: 400 V; Prated: 150 W; ta: -25...+50 °C; tc: 80 °C

R-LED 42/350 DALI SLIM:

220-240 V; 0/50-60 Hz; Iout/Vout: 120 mA / 80...220 V or 350 mA / 50...120 V; λ 0,98; U-OUT: 250 V; Prated: 42 W; ta: -25...+50 °C; tc: 75 °C

R-LED 80/350 DALI SLIM:

220-240 V; 0/50-60 Hz; Iout/Vout: 150 mA / 150...350 V or 350 mA / 64...228 V; U-OUT 400 V; Prated 80 W; λ 0,98; tc +75 °C; ta -25...+50 °C; EL-marked

Following limitations apply

As shown in the Test Report(s) No(s):

-
289530-1A, 289530-1A Amendment-1, 289530-1A Amendment-2, 289530-1B, 289530-1B Amendment-1

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Manufacturing site(s)

1. Helvar Oy Ab
Yrittäjätie 23
FI-03600 Karkkila
Finland

2. Delta Electronics (Wuhu) Ltd.
No.138, Jihua North Road
Longshan Street, Economic Technical Development Area
Wuhu, 241009, Anhui
China

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