



Ref. Certif. No.

ES1784-M1

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

CB TEST CERTIFICATE

Product

ELECTRONIC CONTROL GEAR FOR LED MODULES

Name and address of the applicant

ESPECIALIDADES LUMINOTÉCNICAS, S.A.U.
PI MALPICA, CL E, 11
50016 ZARAGOZA (Spain)

Name and address of the manufacturer

ESPECIALIDADES LUMINOTÉCNICAS, S.A.U.
PI MALPICA, CL E NAVE 11
50016 ZARAGOZA (Spain)

Name and address of the factory

SAME AS ABOVE

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

Additional Information on page 2

Ratings and principal characteristics

See Annex

Trademark (if any)

ELT

Customer's Testing Facility (CTF) Stage used

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Model / Type Ref.

See Annex

Additional information (if necessary may also be reported on page 2)

Additional Information on page 2

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

IEC 61347-1:2015
IEC 61347-2-13:2014 + AMD1:2016
IEC 62384:2006 + AMD1:2009

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

201402130048-M4-A1, 201402130049-M4, 2018010012B1-2, 2018010012B1-1

This CB Test Certificate is issued by the National Certification Body

AENOR INTERNACIONAL S.A.U.
CI Génova, 6
ES-28004 MADRID (SPAIN)

Date: 2018-03-08


Signature: Rafael GARCÍA MEIRO
Chief Executive Officer

ANNEX TO CB CERTIFICATE N° ES1784-M1

CERTIFIED REFERENCES AND THEIR MAIN RATINGS

Product: ELECTRONIC CONTROL GEAR FOR LED MODULES

Trade Mark: ELT

Reference	Voltage and frequency supply	Total power and power factor	Voltage or current stabilized output	Additional data
DLC 150 / 500- D -DALI	220-240 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 85 °C; DALI dimming
DLC 150 / 600- D -DALI	220-240 V~; 0 ... 50/60 Hz	49 W; PF: 0,98	Stabilized current: 600 mA, at 72 V max.	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 85 °C; DALI dimming
DLC 150 / 650- D -DALI	220-240 V~; 0 ... 50/60 Hz	52 W; PF: 0,98	Stabilized current: 650 mA, at 72 V max.	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 85 °C; DALI dimming
DLC 150 / 700- D -DALI	220-240 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 85 °C; DALI dimming
DLC 190 / 600- D -DALI	220-240 V~; 0 ... 50/60 Hz	83 W; PF: 0,98	Stabilized current: 600 mA, at 129 V max.	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 85 °C; DALI dimming
DLC 190 / 650- D -DALI	220-240 V~; 0 ... 50/60 Hz	92 W; PF: 0,98	Stabilized current: 650 mA, at 129 V max.	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 85 °C; DALI dimming
DLC 190 / 700- D -DALI	220-240 V~; 0 ... 50/60 Hz	105 W; PF: 0,98	Stabilized current: 700 mA, at 129 V max.	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 85 °C; DALI dimming
LC 142 / 700 - D	220-240 V~; 0 ... 50/60 Hz	47 W; PF: 0,98	Stabilized current: 700 mA, at 60 V max.	Short-circuits withstand; class I; terminals connection
LC 148 / 1050-D	220-240 V~; 0 ... 50/60 Hz	52 W; PF: 0,98	Stabilized current: 1050 mA, at 46 V max.	Short-circuits withstand; class I; terminals connection
LC 148 / 1050-D-UN	110-277 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 1050 mA, at 46 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 350-D	220-240 V~; 0 ... 50/60 Hz	55 W; PF: 0,98	Stabilized current: 350 mA, at 143 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 350-D-UN	110-277 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 350 mA, at 143 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 500-D	220-240 V~; 0 ... 50/60 Hz	55,5 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 500-D-UN	110-277 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 600 - D	220-240 V~; 0 ... 50/60 Hz	49 W; PF: 0,98	Stabilized current: 600 mA, at 72 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 650 - D	220-240 V~; 0 ... 50/60 Hz	53 W; PF: 0,98	Stabilized current: 650 mA, at 72 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 700-D	220-240 V~; 0 ... 50/60 Hz	55 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	Short-circuits withstand; class I; terminals connection
LC 150 / 700-D-UN	110-277 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	Short-circuits withstand; class I; terminals connection
LC 190 / 600 - D	220-240 V~; 0 ... 50/60 Hz	83 W; PF: 0,98	Stabilized current: 600 mA, at 129 V max.	Short-circuits withstand; class I; terminals connection
LC 190 / 650 - D	220-240 V~; 0 ... 50/60 Hz	92 W; PF: 0,98	Stabilized current: 650 mA, at 129 V max.	Short-circuits withstand; class I; terminals connection
LC 190 / 700-D	220-240 V~; 0 ... 50/60 Hz	98,5 W; PF: 0,98	Stabilized current: 700 mA, at 129 V max.	Short-circuits withstand; class I; terminals connection
LCM 48/900...1050-D	220-240 V~; 0 ... 50/60 Hz	56 W; PF: 0,98	Stabilized current: 900/950/1050 mA; maximum output power: 23,4 -48 W	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 90 °C
LCM 50/250...350-D	220-240 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 250/300/350 mA; maximum output power: 16,5 -50 W	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 90 °C
LCM 50/400...500-D	220-240 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 400/450/500 mA; maximum output power: 18,4 -50 W	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 90 °C

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CERTIFIED REFERENCES AND THEIR MAIN RATINGS

Reference	Voltage and frequency supply	Total power and power factor	Voltage or current stabilized output	Additional data
LCM 50/600...700-D	220-240 V~; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 600/650/700 mA; maximum output power: 22,8 -50 W	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 90 °C
LCM 90/600...700-D	220-240 V~; 0 ... 50/60 Hz	103 W; PF: 0,98	Stabilized current: 600/650/700 mA; maximum output power: 36 -90 W	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 90 °C

Tc maximum 75 °C
Classification To build-in
Suitable for supply voltage dimmer No