IEC IECEE CB SCHEME

Ref. Certif. nº

ES1482-M3

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product Produit	ELECTRONIC CONTROL GEAR FOR LED MODULES
Name and address of the applicant Nom et adresse du demandeur	ESPECIALIDADES LUMINOTÉCNICAS, S.A.U. PI MALPICA, CL E, 11 50016 ZARAGOZA (Spain)
Name and address of the manufacturer Nom et adresse du fabricant	ESPECIALIDADES LUMINOTÉCNICAS, S.A.U. PI MALPICA, CL E NAVE 11 50016 ZARAGOZA (Spain)
Name and address of the factory Nom et adresse de l'usine Note: *when more than one factory, please report on page 2* Note: *lorsque il y plus d'une usine, veuillez utiliser la 2ème page*	SAME AS ABOVE ☐ Additional information on page 2
Ratings and principal characteristics Valeurs nominales et caractéristiques principales	See at the Annex
Trademark (if any) Marque de fabrique (si elle existe)	ELT
Type of Manufacturer's Testing Laboratories used Type de programme du laboratoire d'essais constructeur	---
Model / type ref. Ref. de type	See references on the Annex
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2ème page)	☐ Additional information on page 2
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 61347-1:2007 (2nd Ed.) + A1:2010 + A2:2012 IEC 61347-2-13:2006 (1st Ed.) IEC 62384:2006 (1st Ed.) + A1:2009
As shown in the Test Report ref. nº, which forms part of this Certificate Comme indiqué dans le Rapport d'Essais numéro de référence, qui constitue partie de ce Certificat	201402130048-M1, 201402130049-M1, 201402130050-M1, 201402130051-M1, 201402130050-M2-A1, 201402130051-M2, 2016050304B1

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

ASOCIACIÓN ESPAÑOLA DE NORMALIZACIÓN Y CERTIFICACIÓN (AENOR)
Cl Génova, 6
ES-28004 MADRID (SPAIN)

AENOR Asociación Española de Normalización y Certificación

Date: 2016-05-04

Signature: Avelino BRITO
Chief Executive Officer

ANNEX TO CB CERTIFICATE Nº ES1482-M3

CERTIFIED REFERENCES AND THEIR PRINCIPAL CHARACTERISTICS

Product: ELECTRONIC CONTROL GEAR FOR LED MODULES

Reference	Trade Mark	Voltage and frequency supply	Total power and power factor	Voltage or current stabilized output	Tc maximum	Classification	Suitable for supply voltage dimmer	Additional data
DLC 137/1200-E-C2-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	25-37 W; PF: 0,94	Stabilized current: 1200 mA, at 31 V max.	80 °C	Indenpendent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 137/1200-E-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	25-37 W; PF: 0,94	Stabilized current: 1200 mA, at 31 V max.	80 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/1050-E-C2-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	31-42 W; PF: 0,97	Stabilized current: 1050 mA, at 40 V max.	75 °C	Indenpendent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/1050-E-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	31-42 W; PF: 0,97	Stabilized current: 1050 mA, at 40 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/1400-E-C2-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	31-42 W; PF: 0,96	Stabilized current: 1400 mA, at 30 V max.	80 °C	Indenpendent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/1400-E-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	31-42 W; PF: 0,96	Stabilized current: 1400 mA, at 30 V max.	80 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/350-E-C2-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	24-41 W; PF: 0,96	Stabilized current: 350 mA, at 117 V max.	75 °C	Indenpendent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/350-E-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	24-41 W; PF: 0,96	Stabilized current: 350 mA, at 117 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/500-E-C2-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	24-40 W; PF: 0,96	Stabilized current: 500 mA, at 80 V max.	75 °C	Indenpendent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/500-E-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	24-40 W; PF: 0,96	Stabilized current: 500 mA, at 80 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 142/700-E-C2-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	24-42 W; PF: 0,95	Stabilized current: 700 mA, at 60 V max.	75 °C	Indenpendent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming

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CERTIFIED REFERENCES AND THEIR PRINCIPAL CHARACTERISTICS

Reference	Trade Mark	Voltage and frequency supply	Total power and power factor	Voltage or current stabilized output	Tc maximum	Classification	Suitable for supply voltage dimmer	Additional data
DLC 142/700-E-1 ... 10	ELT	220-240 V~; 0 ... 50/60 Hz	24-42 W; PF: 0,95	Stabilized current: 700 mA, at 60 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; 1-10 V dimming
DLC 150/700-E-1...10 V	ELT	220-240 V~; 0 ... 50/60 Hz	31-50 W; PF: 0,96	Stabilized current: 700 mA, at 72 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; 1-10 V dimming
DLC 150/700-1...10 V-EN-3	ELT	220-240 V~; 0 ... 50/60 Hz	31-50 W; PF: 0,96	Stabilized current: 700 mA, at 72 V max.	75 °C	To build-in	No	Short-circuits withstand; class II; terminals connection; 1-10 V dimming
LC 137/1200-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	15-37 W; PF: 0,97	Stabilized current: 1200 mA, at 31 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C
LC 137/1200-E-C2-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	15-37 W; PF: 0,97	Stabilized current: 1200 mA, at 31 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; fan output
LC 137/1200-E	ELT	220-240 V~; 0 ... 50/60 Hz	15-37 W; PF: 0,97	Stabilized current: 1200 mA, at 31 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C
LC 137/1200-E-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	15-37 W; PF: 0,97	Stabilized current: 1200 mA, at 31 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; fan output
LC 142/1400-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	18-42 W; PF: 0,98	Stabilized current: 1400 mA, at 30 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C
LC 142/1400-E-C2-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	18-42 W; PF: 0,98	Stabilized current: 1400 mA, at 30 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; fan output
LC 142/1400-E	ELT	220-240 V~; 0 ... 50/60 Hz	18-42 W; PF: 0,98	Stabilized current: 1400 mA, at 30 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C
LC 142/1400-E-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	18-42 W; PF: 0,98	Stabilized current: 1400 mA, at 30 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; fan output
LC 148/1050-D	ELT	220-240 V~; 0 ... 50/60 Hz	23-48 W; PF: 0,98	Stabilized current: 1050 mA, at 46 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection
LC 148/1050-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	23-48 W; PF: 0,98	Stabilized current: 1050 mA, at 46 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C

CERTIFIED REFERENCES AND THEIR MAIN RATINGS

Reference	Trade Mark	Voltage and frequency supply	Total power and power factor	Voltage or current stabilized output	Tc maximum	Classification	Suitable for supply voltage dimmer	Additional data
LC 148/1050-E-C2-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-48 W; PF: 0,98	Stabilized current: 1050 mA, at 46 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; fan output
LC 148/1050-E	ELT	220-240 V~; 0 ... 50/60 Hz	23-48 W; PF: 0,98	Stabilized current: 1050 mA, at 46 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C
LC 148/1050-E-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-48 W; PF: 0,98	Stabilized current: 1050 mA, at 46 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/350-D	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 350 mA, at 143 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection
LC 150/350-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 350 mA, at 143 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C
LC 150/350-E-C2-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 350 mA, at 143 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/350-E	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 350 mA, at 143 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C
LC 150/350-E-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 350 mA, at 143 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/500-D	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection
LC 150/500-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C
LC 150/500-E-C2-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/500-E	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C

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CERTIFIED REFERENCES AND THEIR PRINCIPAL CHARACTERISTICS

Reference	Trade Mark	Voltage and frequency supply	Total power and power factor	Voltage or current stabilized output	Tc maximum	Classification	Suitable for supply voltage dimmer	Additional data
LC 150/500-E-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 500 mA, at 100 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/700-D	ELT	220-240 V~; 0 ... 50/60 Hz	24-50 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection
LC 150/700-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	24-50 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C
LC 150/700-E-C2-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	24-50 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/700-E	ELT	220-240 V~; 0 ... 50/60 Hz	24-50 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C
LC 150/700-E-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	24-50 W; PF: 0,98	Stabilized current: 700 mA, at 72 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/900-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 900 mA, at 55 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C
LC 150/900-E-C2-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 900 mA, at 55 V max.	75 °C	Independent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; fan output
LC 150/900-E	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 900 mA, at 55 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C
LC 150/900-E-FAN	ELT	220-240 V~; 0 ... 50/60 Hz	23-50 W; PF: 0,98	Stabilized current: 900 mA, at 55 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; fan output
LC 190/700-D	ELT	220-240 V~; 0 ... 50/60 Hz	40-90 W; PF: 0,98	Stabilized current: 700 mA, at 129 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection
LCM 42/350 ... 1050-E-C2	ELT	220-240 V~; 0 ... 50/60 Hz	42 W; PF: 0,95	Stabilized current: 350-1050 mA, at 72 V max.	75 °C	Indenpendent	No	Short-circuits withstand; class II; terminals connection; thermal protection at tc = 100 °C; multi-current drive
LCM 42/350 ... 1050-E	ELT	220-240 V~; 0 ... 50/60 Hz	42 W; PF: 0,95	Stabilized current: 350-1050 mA, at 72 V max.	75 °C	To build-in	No	Short-circuits withstand; class I; terminals connection; thermal protection at tc = 100 °C; multi-current drive