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LICENCE

to use the European Mark



Licence Nr. ENEC/000974

Under the conditions given in the following pages of this document, the licence to use the ENEC Mark in conjunction with the suffix 01, as shown above, has been issued to:

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

For the product(s):

Electronic control gear for LED modules

Trade name(s):

ELT

Complying with the following European Standards:

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

Date: 2018-03-08

Signature:

A handwritten signature in blue ink, appearing to read 'Rafael García', written over a horizontal line.

Name: Rafael García

Position: General Manager

This licence 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.

AENOR INTERNACIONAL, S.A.U.
Cl Génova, 6
28004 MADRID (Spain)

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CERTIFICADO ENEC DE PRODUCTO



Tipo de producto / Type of Product	CONTROL ELECTRÓNICO PARA MÓDULOS LED
r1) N° Certificado / Certificate n°	ENEC/000974
r2) Fecha Certificado / Date of the Certificate	2018-03-08
r3) N° de Informe de ensayo / Test report n°	201402130048-M4-A1, 201402130049-M4, 2018010012B1-2, 2018010012B1-1
r4) Nombre y dirección del licenciario Name and address of the licensee	ESPECIALIDADES LUMINOTÉCNICAS, S.A.U. PI MALPICA, CL E, 11 50016 ZARAGOZA (España)
r5) Dirección de la factoría Address of the factory	PI MALPICA, CL E NAVE 11 50016 ZARAGOZA (España)
r6) Referencia de la Norma Española Spanish Standard	UNE-EN 61347-1:2016; UNE-EN 61347-2-13:2015; UNE-EN 61347-2-13:2015/A1:2017; UNE-EN 62384:2007/A1:2010; UNE-EN 62384:2007
r7) Referencia de la Norma Europea European Standard	EN 61347-1:2015; EN 61347-2-13:2014; EN 61347-2-13:2014/A1:2017; EN 62384:2006/A1:2009; EN 62384:2006
r8) Referencia / Reference	Ver Anexo I <i>refer to Annex I</i>
r9) Marca Comercial / Trade Mark	ELT
r10) Tensión y frecuencia de alimentación Voltage and frequency supply	Ver Anexo I <i>refer to Annex I</i>
r11) Potencia total y factor de potencia Total power and power factor	Ver Anexo I <i>refer to Annex I</i>
r12) Tensión o corriente de salida estabilizada Voltage or current stabilized output	Ver Anexo I <i>refer to Annex I</i>
r13) Tc máxima / Tc maximum	75 °C
r14) Clasificación / Classification	To build-in
r15) Apto para regulador de tensión de red Suitable for supply voltage dimmer	No
r16) Datos adicionales / Additional data	Ver Anexo I <i>refer to Annex I</i>
Fecha de caducidad: 2021-06-30 Date of expiry	Este certificado anula y sustituye al 007/000974, de fecha 2016-11-07. This certificate supersedes certificate 007/000974, dated 2016-11-07.

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CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/000974 ANNEX I TO CERTIFICATE ENEC/000974

REFERENCIA <i>Reference</i>	TENSIÓN Y FRECUENCIA DE ALIMENTACIÓN <i>Voltage and frequency supply</i>	POTENCIA TOTAL Y FACTOR DE POTENCIA <i>Total power and power factor</i>	TENSIÓN O CORRIENTE DE SALIDA ESTABILIZADA <i>Voltage or current stabilized output</i>	DATOS ADICIONALES <i>Additional data</i>
DLC 150 / 500-D-DALI	220-240 V-; 0 ... 50/60 Hz	58 W; PF: 0,98	Stabilized current: 500 mA, at 117 V max.	Short-circuits withstand; class I; terminals connection
DLC 150 / 600-D-DALI	220-240 V-; 0 ... 50/60 Hz	49,5 W; PF: 0,98	Stabilized current: 600 mA, at 82 V max.	Short-circuits withstand; class I; terminals connection
DLC 150 / 650-D-DALI	220-240 V-; 0 ... 50/60 Hz	53,5 W; PF: 0,98	Stabilized current: 650 mA, at 82 V max.	Short-circuits withstand; class I; terminals connection
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
DLC 190 / 600-D-DALI	220-240 V-; 0 ... 50/60 Hz	83 W; PF: 0,98	Stabilized current: 600 mA, at 150 V max.	Short-circuits withstand; class I; terminals connection
DLC 190 / 650-D-DALI	220-240 V-; 0 ... 50/60 Hz	92 W; PF: 0,98	Stabilized current: 650 mA, at 150 V max.	Short-circuits withstand; class I; terminals connection
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
LC 142 / 700-D	220-240 V-; 0 ... 50/60 Hz	55 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	53,5 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 / 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	52 W; PF: 0,98	Stabilized current: 650 mA, at 72 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

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CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/000974 ANNEX I TO CERTIFICATE ENEC/000974

REFERENCIA <i>Reference</i>	TENSIÓN Y FRECUENCIA DE ALIMENTACIÓN <i>Voltage and frequency supply</i>	POTENCIA TOTAL Y FACTOR DE POTENCIA <i>Total power and power factor</i>	TENSIÓN O CORRIENTE DE SALIDA ESTABILIZADA <i>Voltage or current stabilized output</i>	DATOS ADICIONALES <i>Additional data</i>
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 150/700-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	86 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	94 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
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

Original Electrónico

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Entidad de certificación de producto acreditada por ENAC con nº 01/C-PR275
Product certification body accredited by ENAC, number 01/C-PR275