

AENOR

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LICENCE

to use the European Mark



Licence Nr. ENEC/000981

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 ballast for tubular fluorescent lamps

Trade name(s):

ELT

Complying with the following European Standards:

EN 60929:2011; EN 61347-1:2015;
EN 61347-2-3:2011

Date: 2017-12-01

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	BALASTO ELECTRÓNICO PARA LÁMPARAS FLUORESCENTES TUBULARES
r1) N° Certificado / Certificate n°	ENEC/000981
r2) Fecha Certificado / Date of the Certificate	2017-12-01
r3) N° de Informe de ensayo / Test report n°	201403130071, 201403130069, 2017090611B1
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 60929:2011; UNE-EN 61347-1:2016; UNE-EN 61347-2-3:2012
r7) Referencia de la Norma Europea European Standard	EN 60929:2011; EN 61347-1:2015; EN 61347-2-3:2011
r8) Referencia / Reference	Ver Anexo I <i>refer to Annex I</i>
r9) Marca comercial / Trade Mark	ELT
r10) Tensión y frecuencia asignadas Rated voltage and frequency	Ver Anexo I <i>refer to Annex I</i>
r11) Tipo de lámparas y potencias asignadas Lamps type and rated power	Ver Anexo I <i>refer to Annex I</i>
r12) Temp. envolvente asignada (tc) y ambiental Rated case temperature (tc) and ambient	tc = 75 °C; ta: -20 ... +50 °C
r13) Clasificación del balasto Classification of the ballast	Ver Anexo I <i>refer to Annex I</i>
r14) Características generales General features	Ver Anexo I <i>refer to Annex I</i>
Fecha de caducidad: 2020-01-02 Date of expiry	Este certificado anula y sustituye al 007/000981, de fecha 2014-07-22. This certificate supersedes certificate 007/000981, dated 2014-07-22.

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CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/000981
ANNEX I TO CERTIFICATE ENEC/000981

REFERENCIA <i>Reference</i>	TENSIÓN Y FRECUENCIA ASIGNADAS <i>Rated voltage and frequency</i>	TIPO DE LÁMPARAS Y POTENCIAS ASIGNADAS <i>Lamps type and rated power</i>	CLASIFICACIÓN DEL BALASTO <i>Classification of the ballast</i>	CARACTERÍSTICAS GENERALES <i>General features</i>
BE 213-TC-4-UN-C2	110-240 V; 50/60 Hz and DC	Fluorescent; 2 x 13 W max.	Independent, class II: with terminals cover-cap	150 ... 320 mA; PF: >0,9; pre-heat starting
BE 213-TC-4-UN	110-240 V; 50/60 Hz and DC	Fluorescent; 2 x 13 W max.	To build-in: without terminals cover-cap	150 ... 320 mA; PF: >0,9; pre-heat starting
BE 213-TC-5-C2	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 13 W max.	Independent, class II: with terminals cover-cap	40 ... 130 mA; PF: 0,97; pre-heat starting
BE 213-TC-5	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 13 W max.	To build-in: without terminals cover-cap	40 ... 130 mA; PF: 0,97; pre-heat starting
BE 218-TC-4-UN-C2	110-240 V; 50/60 Hz and DC	Fluorescent; 2 x 18 W max.	Independent, class II: with terminals cover-cap	210 ... 400 mA; PF: >0,9; pre-heat starting
BE 218-TC-4-UN	110-240 V; 50/60 Hz and DC	Fluorescent; 2 x 18 W max.	To build-in: without terminals cover-cap	210 ... 400 mA; PF: >0,9; pre-heat starting
BE 218-TC-5-C2	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 18 W max.	Independent, class II: with terminals cover-cap	90 ... 170 mA; PF: 0,97; pre-heat starting
BE 218-TC-5	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 18 W max.	To build-in: without terminals cover-cap	90 ... 170 mA; PF: 0,97; pre-heat starting
BE 226-TC-4-UN-C2	110-240 V; 50/60 Hz and DC	Fluorescent; 2 x 26 W max.	Independent, class II: with terminals cover-cap	250 ... 550 mA; PF: >0,9; pre-heat starting
BE 226-TC-4-UN	110-240 V; 50/60 Hz and DC	Fluorescent; 2 x 26 W max.	To build-in: without terminals cover-cap	250 ... 550 mA; PF: >0,9; pre-heat starting
BE 226-TC-5-C2	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 26 W max.	Independent, class II: with terminals cover-cap	80 ... 230 mA; PF: 0,97; pre-heat starting
BE 226-TC-5	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 26 W max.	To build-in: without terminals cover-cap	80 ... 230 mA; PF: 0,97; pre-heat starting
BE 242-TC-5-C2	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 42 W max.	Independent, class II: with terminals cover-cap	90 ... 415 mA; PF: 0,97; pre-heat starting
BE 242-TC-5	220-240 V; 50/60 Hz and DC	Fluorescent; 2 x 42 W max.	To build-in: without terminals cover-cap	90 ... 415 mA; PF: 0,97; pre-heat starting