

AENOR

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LICENCE

to use the European Mark



Licence Nr. ENEC/000874

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):

Ballast for discharge lamps

Trade name(s):

ELT

Complying with the following European Standards:

EN 60923:2005; EN 60923:2005/A1:2006;
EN 61347-1:2015; EN 61347-2-9:2013

Date: 2017-01-26

Signature:

A handwritten signature in blue ink, appearing to read 'Avelino Brito', written over a circular blue stamp.

Name: Avelino Brito
Position: Chief Executive Officer

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



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|---|--|
| Tipo de producto / Type of Product | BALASTO PARA LÁMPARAS DE DESCARGA |
| r1) N° Certificado / Certificate n° | ENEC/000874 |
| r2) Fecha Certificado / Date of the Certificate | 2017-01-26 |
| r3) N° de Informe de ensayo / Test report n° | 201009130395-A, 201009130395-B, 201009130395-C, 201009130394, 201009130395-E, 201009130395-F, 201009130395-D, 2016120779B1 |
| 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 60923:2006; UNE-EN 60923:2006/A1:2006; UNE-EN 61347-1:2016; UNE-EN 61347-2-9:2013 |
| r7) Referencia de la Norma Europea European Standard | EN 60923:2005; EN 60923:2005/A1:2006; EN 61347-1:2015; EN 61347-2-9:2013 |
| 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 y n° de lámparas y potencias asignadas Lamps type and quantity and rated power | Ver Anexo I <i>refer to Annex I</i> |
| r12) Temperatura asignada del arrollamiento (tw) Rated winding temperature (tw) | 130 °C |
| r13) Calentamiento asignado del arrollamiento Rated winding temperature rise | Ver Anexo I <i>refer to Annex I</i> |
| r14) Clasificación del balasto Classification of the ballast | Ver Anexo I <i>refer to Annex I</i> |
| r15) Características generales General features | Ver Anexo I <i>refer to Annex I</i> |
| Fecha de caducidad: 2022-01-26 Date of expiry | |

Este certificado anula y sustituye al 007/000874, de fecha 2011-02-10.
This certificate supersedes certificate 007/000874, dated 2011-02-10.

Original Electrónico

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.es

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

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CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/000874 ANNEX I TO CERTIFICATE ENEC/000874

| REFERENCIA <i>Reference</i> | TENSIÓN Y FRECUENCIA ASIGNADAS <i>Rated voltage and frequency</i> | TIPO Y NÚMERO DE LÁMPARAS Y POTENCIAS ASIGNADAS <i>Lamps type and quantity and rated power</i> | CALENTAMIENTO ASIGNADO DEL ARROLLAMIENTO <i>Rated winding temperature rise</i> | CLASIFICACIÓN DEL BALASTO <i>Classification of the ballast</i> | CARACTERÍSTICAS GENERALES <i>General features</i> |
|--------------------------------|--|---|---|---|--|
| VMI 40/22-6-SC | 220 V-; 60 Hz | 400 W - MV (60188 IEC) and MH | 75 85 °C | Built-in - without thermal protection | 3.25 3.40 A; power factor: 0.58 0.56 |
| VMI 40/22-6-SC-P | 220 V-; 60 Hz | 400 W - MV (60188 IEC) and MH | 75 85 °C | Built-in - thermal protection without stated temperature | 3.25 3.40 A; power factor: 0.58 0.56 |
| VMI 40/23-SC | 230 V-; 50 Hz | 400 W - MV (60188 IEC) and MH | 75 85 °C | Built-in - without thermal protection | 3.25 3.40 A; power factor: 0.56 0.54 |
| VMI 40/23-SC-P | 230 V-; 50 Hz | 400 W - MV (60188 IEC) and MH | 75 85 °C | Built-in - thermal protection without stated temperature | 3.25 3.40 A; power factor: 0.56 0.54 |
| VMI 40/24-SC | 240 V-; 50 Hz | 400 W - MV (60188 IEC) and MH | 80 95 °C | Built-in - without thermal protection | 3.25 3.40 A; power factor: 0.54 0.52 |
| VMI 40/24-SC-P | 240 V-; 50 Hz | 400 W - MV (60188 IEC) and MH | 80 95 °C | Built-in - thermal protection without stated temperature | 3.25 3.40 A; power factor: 0.54 0.52 |
| VSI 25/3TDI-SC | 230 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Independent - without thermal protection | 3 A; power factor: 0.40 |
| VSI 25/3TDI-SC-P | 230 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Independent - thermal protection without stated temperature | 3 A; power factor: 0.40 |
| VSI 25/3TD-SC | 230 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Built-in - without thermal protection | 3 A; power factor: 0.40 |
| VSI 25/3TD-SC-P | 230 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Built-in - thermal protection without stated temperature | 3 A; power factor: 0.40 |
| VSI 25/3TEI-6-SC | 220 V-; 60 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Independent - without thermal protection | 3 A; power factor: 0.42 |
| VSI 25/3TEI-6-SC-P | 220 V-; 60 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Independent - thermal protection without stated temperature | 3 A; power factor: 0.42 |
| VSI 25/3TE-6-SC | 220 V-; 60 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Built-in - without thermal protection | 3 A; power factor: 0.42 |
| VSI 25/3TE-6-SC-P | 220 V-; 60 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 75 °C | Built-in - thermal protection without stated temperature | 3 A; power factor: 0.42 |
| VSI 25/3TGI-SC | 240 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 80 °C | Independent - without thermal protection | 3 A; power factor: 0.39 |
| VSI 25/3TGI-SC-P | 240 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 80 °C | Independent - thermal protection without stated temperature | 3 A; power factor: 0.39 |
| VSI 25/3TG-SC | 240 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 80 °C | Built-in - without thermal protection | 3 A; power factor: 0.39 |
| VSI 25/3TG-SC-P | 240 V-; 50 Hz | 250 W - HPSV and MH (60662 IEC and 61167 IEC) | 80 °C | Built-in - thermal protection without stated temperature | 3 A; power factor: 0.39 |

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