



CERTIFICADO DE CONFORMIDADE

Certificate of Conformity

Nº: IEx 15.0299

Emissão / Issue Date: 06/11/2015

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Solicitante / Endereço:

Applicant / Address
Solicitante / Dirección

CHALMIT LIGHTING
388 Hillington Road
Glasgow - G52 4BL - United Kingdom

Produto / Modelo / Marca:

Product / Model / Trademark / Bar Code
Producto / Modelo / Marca / Código de Barras

LED Luminaire
NEXLED
Chalmit

Família de Produto:

Product's Family
Familia de productos

N/A

Número de Série / Lote:

Serial number / Batch number
Número de serie / Número de lote

N/A

Marcação:

Marking
Maricación

Ex de IIC T4 Gb IP66/IP67
Ex e mb IIC T4 Gb IP66/IP67
Ex e ib mb IIC T4 Gb IP66/IP67 (with emergency)
-45 °C ≤ T_{amb} ≤ +55 °C

Normas Aplicáveis:

Applicable Standards
Normas aplicables

ABNT NBR IEC 60079-0:2008 (IEC 60079-0:2007),
ABNT NBR IEC 60079-1:2009 (IEC 60079-1:2007),
ABNT NBR IEC 60079-11:2009 (IEC 60079-11:2006),
ABNT NBR IEC 60079-7:2008 (IEC 60079-7:2006) and
ABNT NBR IEC 60079-18:2007 (IEC 60079-18:2004).

Modelo de Certificação:

Certification Model
Modelo de certificación

Model 5, according to ISO/IEC 17067:2013

Portaria Inmetro Nº / Escopo:

Inmetro Decree n° / Scope
Ordenanza Inmetro / Alcance

179:2010 / Equipamentos Elétricos e Eletrônicos para Atmosferas
Explosivas - Electrical and electronic equipment for use in hazardous
locations

Concessão para:

Concession for
Concesión

Uso do Selo de Identificação da Conformidade sobre o(s) produto(s)
relacionado(s) neste Certificado - Use of the conformity identification label
on the product(s) listed in this certificate

Associação IEx Certificações, that is a Product Certification Body accredited by Cgcre/INMETRO, under the registration OCP 0064, confirms that the product is in conformity with the Standards and Regulation above.

Revisão: **N/A**

Revision / Revisión

Validade: **27/10/2016**

Validity / Validad


Marco A. Bucciarelli Roque
Signatário autorizado
Authorized signatory
Persona autorizada



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Fabricante / Endereço:

*Manufacturer / Address
Fabricante / Dirección*

**CHALMIT LIGHTING
388 Hillington Road
Glasgow - G52 4BL - United Kingdom**

Unidade(s) Fabril(is) / Endereço:

*Production Site / Address
Unidad de Fabricación / Dirección*

**CHALMIT LIGHTING
388 Hillington Road
Glasgow - G52 4BL - United Kingdom**

Representante Legal / Endereço:

*Legal Representative / Address
Representante Legal / Dirección*

**FÁBRICA DE PEÇAS ELÉTRICAS DELMAR LTDA
Rodovia Antonio Romano Schincariol, S/N - Km 113
18279-125 - Tatuí - SP - Brazil
CNPJ: 72.183.759/0001-68**

Product Description:

The NEXLED Luminaire comprises a cast aluminium flat rectangular base and a cover with a glass diffuser. The diffuser is attached to the cover with two screw clips and the cover is attached to the base with four screws. Ingress protection is provided with a silicone rubber gasket between the base and the diffuser.

The internal arrangement comprises up to eight 1 W light emitting diodes mounted onto an aluminium heatsink, an encapsulated electronic control module and terminal strips. For version explosion proof an electronic control module and fuse are installed within a cylindrical enclosure. An emergency version is available with a NiCd rechargeable battery pack. The control gear monitors the temperature of the batteries and reduces the charge to safe levels if the temperature drops below 5 °C. A heater may be wrapped round the battery pack in which case the control gear turns on the heater if the temperature drops below 5 °C.

The luminaire is rated 110 to 250 V ac or dc, 50/60 Hz, 2 W to 8 W depending upon the number of LED's fitted. Optionally the version explosion proof can be provided with 24 V ac or dc.

The enclosure is provided with cable entry holes which must be fitted with "Ex e" approved cable glands, under the Brazilian System of Conformity Assessment (SBAC), which maintain the ingress protection of the enclosure.

Documents:

Title	Number	Revision	Date
Quality assessment Report	RAF 686.F1.M1	0	27 and 28/08/2015
Conformity Assessment Report	RACT-Ex 686.504.15A (79)	0	06/11/2015
Test Report issued by Baseefa	GB/BAS/ExTR09.0086/00	0	04/06/2009
Test Report issued by Baseefa	11(C)0977	0	15/12/2011

The approved documents are listed in the Conformity Assessment Report RACT-Ex 686.504.15A (79).

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MAB Rogue

Associação IEx Certificações (CNPJ: 12.845.838/0001-65)
Alameda Tocantins, 75 sala 609 Barueri SP ZIP Code 06455-020 Brazil
Tel +55 11 4195-0705 contato@iexcert.com.br



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Observations:

- a) All products provided to Brazilian market shall be in conformity with product description and schedule documents approved in this certification process;
- b) Only the units commercialized during the validity of this Certificate are covered by this certification;
- c) This Certificate is valid only for products identical to the assessed products. Any modification in the project, as well, use of different components and/or materials specified in the schedule drawings/documents without IEx authorization, will invalidate this Certificate;
- d) The validity of this certificate depend on carrying out the surveillance audits and treating of possible non-conformances in according with the Associação IEX guidelines and according with the Inmetro's Product Conformity Assessment Requirements – RAC # : 179/2010 – Electrical and Electronic Equipment for Explosive Atmospheres.

To check the current validity of this certificate, please, access the Inmetro's database for certified products and services

- e) The Conformity Identification Label must be placed on the outside surface of the equipment in an easily visible place.
- f) This authorization is linked to a contract and to the address mentioned above;
- g) The products shall be installed according to the applicable standard for explosive atmospheres installations (ABNT NBR IEC 60079-14)
- h) This certification refers only and exclusively to the conformity assessment requirements for electrical equipment for explosive atmospheres, not covering any other regulation applicable to the product;
- i) The activities of installation, inspection, maintenance, repair, revision and recuperation of equipment are the responsibility of the end users and shall be performed according to the applicable technical standards requirements and according to manufacturer recommendations.
- j) The warning Label must be placed on the outside surface of the equipment in an easily visible place, with the following information:

- Warning - Do not open when energized.

Revision history:

Revision	Date	Description
0	06/11/2015	Initial issue.

Quotation: 14.0.686.504.15

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