



(1) EC-TYPE EXAMINATION CERTIFICATE

(2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate nr **LOM 12ATEX2075 X**

(4) Equipment or protection system Tubular luminaires
Types LEUTEX BZ*_*_*_*_*_*_*_*

(5) Manufacturer BARTEC, S.A.

(6) Address Ctra. L'Hospitalet 66-68 Nave "D"
Polígono Industrial Almeda
08940 Cornellà del Llobregat (Barcelona)
SPAIN

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Laboratorio Oficial J.M. Madariaga (LOM), notified body number 0163 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
The examination and test results are recorded in confidential report nr. **LOM 12.291 TP**


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


-	Standards	EN 60079-0:2009	EN 60079-1:2007	EN 60079-31:2009
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(10) If the sign X is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design and construction of this specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacture and supply of this equipment or protective system. These are not covered by this certificate.

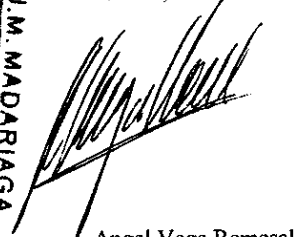
(12) The marking of the equipment or protective system shall include the following:

 II 2GD Ex d IIB T6 Gb / Ex d IIC T6 Gb
Ex t IIIC T85 °C IP67 Db


Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Getafe, 2013-02-18


Angel Vega Remesal
Head of the ATEX area

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Page 1 / 4





LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **SCHEDULE**

(A2) EC-Type Examination Certificate nr: **LOM 12ATEX2075 X**

(A3) Description of equipment or protective system

Flameproof and protection by enclosure tubular luminaires with transparent part made of glass or polycarbonate, and covers made in aluminium castings at the ends.

These luminaires are built in four sizes, depending on the size and type of diffuser:

Enclosure size reference	Material	Thickness (mm)	Length (mm)	Group
E1VC	Glass	5	335	IIC
E2VC		9	600	IIC
E2VB		5	600	IIB
E3VC		9	1210	IIC
E3VB		5	1210	IIB
E4VB		9	1500	IIB
E1PC	Polycarbonate	5	335	IIC
E2PC		5	600	IIC
E3PC		5	1210	IIC
E4PB		5	1500	IIB

Fluorescent luminaires and direct powered from mains at 230 V 50/60Hz

Glass diffuser		
Modell LEUTEX	Enclosure size	Power
BZC-1111-V/EM	E1VC	11 W
BZC-1118-V	E1VC	18 W
BZC-2118-V	E2VC	18 W
BZB-2118-V	E2VB	18 W
BZC-2218-V	E2VC	2x18 W
BZB-2218-V	E2VB	2x18 W
BZC-2155-V	E2VC	55 W
BZB-2155-V	E2VB	55 W
BZC-3136-V	E3VC	36 W
BZB-3136-V	E3VB	36 W
BZC-3236-V	E3VC	2x36 W
BZB-3236-V	E3VB	2x36 W
BZB-4158-V	E4VB	58 W
BZB-4258-V	E4VB	2x58 W

Polycarbonate diffuser		
Modell LEUTEX	Enclosure size	Power
BZC-1111-P	E1PC	11 W
BZC-1118-P	E1PC	18 W
BZC-2118-P	E2PC	18 W
BZC-2218-P	E2PC	2x18 W
BZC-2155-P	E2PC	55 W
BZC-3136-P	E3PC	36 W
BZC-3236-P	E3PC	2x36 W
BZB-4158-P	E4PB	58 W
BZB-4258-P	E4PB	2x58 W

Luminaires with LED tubes and direct powered from mains at 200-240 V 50/60Hz

Glass diffuser		
Modell LEUTEX	Enclosure size	Power
BZBL-2118-V	E2VB	11 W
BZBL-2218-V	E2VB	2x11 W
BZCL-2118-V	E2VC	11 W
BZCL-2218-V	E2VC	2x11 W
BZBL-3136-V	E3VB	21 W
BZBL-3236-V	E3VB	2x21 W
BZCL-3136-V	E3VC	21 W
BZCL-3236-V	E3VC	2x21 W
BZBL-4158-V	E4VB	25,5 W
BZBL-4258-V	E4VB	2x25,5 W

Polycarbonate diffuser		
Modell LEUTEX	Enclosure size	Power
BZCL-2118-P	E2PC	11 W
BZCL-2218-P	E2PC	2x11 W
BZCL-3136-P	E3PC	21 W
BZCL-3236-P	E3PC	2x21 W
BZBL-4158-P	E4PB	25,5 W
BZBL-4258-P	E4PB	2x25,5 W





(A1) SCHEDULE

(A2) EC-Type Examination Certificate nr: LOM 12ATEX2075 X

Emergency luminaires containing NiCd battery and powered from mains at 230 V 50/60 Hz

Glass diffuser			
Modell LEUTEX	Enclosure size	Power	Battery
BZC-8202-V/EM	E1VC	8 W	3,6 V/1,5 Ah
BZC-8352-V/EM	E1VC	8 W	3,6 V/4 Ah
BZC-1602-V/EM	E1VC	11 W	3,6 V/4 Ah
BZC-1902-V/EM	E1VC	11 W	4,8 V/4 Ah
BZC-8203-V/EM	E1VC	8 W	3,6 V/4 Ah
BZC-2118-V/EM	E2VC	18 W	6 V/1,5 Ah
BZB-2118-V/EM	E2VB	18 W	6 V/1,5 Ah
BZC-2218-V/EM	E2VC	2x18 W	6 V/1,5 Ah
BZB-2218-V/EM	E2VB	2x18 W	6 V/1,5 Ah
BZC-2155-V/EM	E2VC	55 W	12 V/1,5 Ah
BZB-2155-V/EM	E2VB	55W	12 V/1,5 Ah
BZC-3136-V/EM	E3VC	36 W	12 V/1,5 Ah
BZB-3136-V/EM	E3VB	36 W	12 V/1,5 Ah
BZC-3236-V/EM	E3VC	2x36 W	12 V/1,5 Ah
BZB-3236-V/EM	E3VB	2x36 W	12 V/1,5 Ah
BZB-4158-V/EM	E4VB	58 W	12 V/1,5 Ah
BZB-4258-V/EM	E4VB	2x58 W	12 V/1,5 Ah
BZC-6152V/EM	E1VC	6 W	3,6 V/1,6 Ah

Polycarbonate diffuser			
Modell LEUTEX	Enclosure size	Power	Battery
BZC-8202-P/EM	E1PC	8 W	3,6 V/1,5 Ah
BZC-8352-P/EM	E1PC	8 W	3,6 V/4 Ah
BZC-1602-P/EM	E1PC	11 W	3,6 V/4 Ah
BZC-1902-P/EM	E1PC	11 W	4,8 V/4 Ah
BZC-8203-P/EM	E1PC	8 W	3,6 V/4 Ah
BZC-2118-P/EM	E2PC	18 W	6 V/1,5 Ah
BZC-2218-P/EM	E2PC	2x18 W	6 V/1,5 Ah
BZC-2155-P/EM	E2PC	55 W	12 V/1,5 Ah
BZC-3136-P/EM	E3PC	36 W	12 V/1,5 Ah
BZC-3236-P/EM	E3PC	2x36 W	12 V/1,5 Ah
BZB-4158-P/EM	E4PB	58 W	12 V/1,5 Ah
BZB-4258-P/EM	E4PB	2x58 W	12 V/1,5 Ah
BZC-6152V/E M	E1PC	6 W	3,6 V/1,6 Ah

(A4) Test report nr. LOM 12.291 TP

(A5) Special conditions for safe use

- Luminaires with transparent glass part may only be used in locations with weak impact risk
- Should be warned of the risk of electrostatic transparent parts of the luminaires
- The emergency lighting containing batteries only can be open when there is no explosive atmosphere present

(A6) Individual test

Each manufactured unit shall be subjected to a static pressure test in accordance with paragraph 15.1.3 of EN 60079-1:2007 according enclosure size:

Enclosure size	E1VC	E2VC	E3VC	E2VB	E3VB	E4VB
	E1PC	E2PC	E3PC	E2PB	E3PB	E4PB
Test pressure (kPa)	890	1020	1020	700	705	615

(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page 1/4 of this certificate





LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) EC-Type Examination Certificate nr: **LOM 12ATEX2075 X**

(A8) Descriptive documents

	<u>Rev.</u>	<u>Date</u>
- Technical dossier	0	2013-02-01
- Drawings nr.:		
101	2	2011-12-05
102	2	2011-12-05
103	1	2008-12-10
104	1	2008-12-10
105	1	2008-12-10
106	1	2008-12-10
107	2	2011-12-05
108	1	2008-12-10
109	1	2008-12-10
110	1	2008-12-10
201	1	2008-12-10
202	1	2008-12-10
203	1	2008-12-10
204	1	2008-12-10
205	1	2008-12-10
206	1	2008-12-10
207	1	2008-12-10
301	1	2008-12-10
302	1	2008-12-10
303	1	2011-11-17
304	1	2011-11-17
401	1	2008-12-10
402	1	2008-12-10
403	1	2008-12-10
404	1	2008-12-10
405	1	2008-12-10
406	1	2008-12-10
407	1	2008-12-10
408	1	2008-12-10
601	1	2011-12-05
602	1	2011-12-05
603	1	2011-12-05
604	1	2011-12-05
606	1	2011-12-05
607	1	2011-12-05
608	1	2011-12-05
00001	0	2012-10-22

