

## [1] EC-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC

[3] EC-Type Examination Certificate Number: Nemko 13 ATEX 1561X Issue 0

[4] Equipment or Protective System: Beacon Light – BC 125/150

[5] Applicant/ Manufacturer: Ex- Tech SAS

[6] Address: ZE Bandiat Tardoire,  
16110 St.Projet,  
France

[7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC 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 no. 244819

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN 60079-0:2012 (IEC 60079-0:2011) , EN 60079-1:2007 (IEC 60079-1:2007) and  
EN 60079-31:2009 (IEC 60079-31:2008)

[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, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC.  
Further requirements of the Directive apply to the manufacturing process 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 IIC T4~T6 Gb.  
Ex tb IIIC T135°C~T85°C IP66

Oslo, 2013-10-28

Asle Kaastad  
Certification Manager, Ex-products

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[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No. Nemko 13 ATEX 1561X Issue 0

[15] Description of Equipment or Protective System

This certificate covers Beacon light of with enclosures made of two different materials. BC-125 is stainless steel and BC-150 is GRP. The product is made up of; Main body and front-cover, connected together by a spigot joint. A glass dome is installed in the front-cover by using a cemented joint.

Inside the enclosures it's installed different PCB, terminals and light sources.

Type Designation

BC Series – 125/ 150.

Technical Data

Voltage ≤48 VDC, 100~240VAC (50/60Hz), ≤25W

Product	Ambient temperature	Marking
BC 125 / 150	Tamb=-40°C~+70°C	Ex d IIC T4 Gb. Ex tb IIIC T135°C IP66
	Tamb=-40°C~+60°C	Ex d IIC T5 Gb. Ex tb IIIC T100°C IP66
	Tamb=-40°C~+55°C	Ex d IIC T6 Gb. Ex tb IIIC T85°C IP66

[16] Report No. 244819

Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
General Drawing BC 125	55060100000	1.01	13.03.05	1
Dispense Drawing BC 125	55060100001	1.01	13.03.05	1
Part List BC 125	55060100002	1.01	13.03.05	1
Top Cover BC 125	55060110102	1.01	13.03.05	1
Main box BC 125	55060110101	1.01	13.03.05	1
Glass cover	55060170107	1.01	13.03.05	1
General Drawing BC 150	55060200000	1.01	13.03.05	1
Dispense Drawing BC 150	55060200001	1.01	13.03.05	1
Part List BC 150	55060200002	1.01	13.03.05	1
Top Cover BC 150	55060250102	1.01	13.03.05	1
Main box BC 150	55060250101	1.01	13.03.05	1
Alternative lid screw for 150 serious	55060250401	1.01	13.08.25	1
Alternative lid screw for 150 serious	55060250402	1.01	13.08.25	1
Name plate Alarm Beacon & Status Light Ex d	55060010501	1.02	13.10.10	1

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**Certificate History and Associated Nemko Reports**

Issue	Date	Report	Description
0	2013-10-28	244819	Prime Certificate released

**Routine Test**

A routine pressure test according to EN 60079-1 clause 16 shall be carried out on all enclosures with the following pressures:

BC 125- 1.2MPa

BC 150- 1.2MPa

**[17] Specific Condition for Use**

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN/IEC 60079-1.

**[18] Essential Health and Safety Requirements**

Not applicable

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