



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx NEM 14.0007X Issue No: 0 Certificate history:  
Issue No. 0 (2014-02-13)

Status: **Current** Page 1 of 4

Date of Issue: **2014-02-13**

Applicant: **Moflash Signalling Ltd**  
Unit 18 Klaxon Industrial Estate, Tyseley, Birmingham B11 2HA  
**United Kingdom**

Electrical Apparatus: **Explosion-Proof Alarm Beacon & Light**  
*Optional accessory:*

Type of Protection: **Ex d**

Marking: Ex d IIC T4(Tamb=-40°C~+70°C)T5(Tamb=-40°C~+60°C)T6 (Tamb= -40°C~+55°C)Gb.  
Ex tb IIIC T135°C T4(Tamb=-40°C~+70°C)T100°C(Tamb=-40°C~+60°C) T85°C (Tamb= -40°C~+55°C)  
IP66.

*Approved for issue on behalf of the IECEx  
Certification Body:*

Asle Kaastad

*Position:*

Certification manager

*Signature:  
(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**NEMKO**  
Gaustadelleen 30  
Oslo N-0314  
Norway





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Manufacturer: **Moflash Signalling Ltd**  
Unit 18 Klaxon Industrial Estate, Tyseley, Birmingham B11 2HA  
United Kingdom

Additional Manufacturing  
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2008</b> Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

[CN/CQM/ExTR13.0038/00](#)      [NO/NEM/ExTR14.0008/00](#)

#### Quality Assessment Report:

[GB/SIR/QAR14.0001/00](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

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.

### Electrical Ratings

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

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

### CONDITIONS OF CERTIFICATION: YES as shown below:

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.



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## **EQUIPMENT (continued):**

### **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