



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 Number: **Baseefa04ATEX0245**

4 Equipment or Protective System: **A NEXLED Luminaire**

5 Manufacturer: **Chalmit Lighting**

6 Address: **388 Hillington Road, Glasgow, G52 4BL**

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 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the 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. **04(C)0393**

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

**EN 60079-0: 2004      EN 60079-7: 2003      EN 60079-1: 2004      EN 50281-1-1: 1998**

except in respect of those requirements listed at item 18 of the Schedule.

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 the specified equipment or protective system. 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 :

**Ex II 2 G Ex de IIC T4 (T<sub>amb</sub> = - 45°C to + 55°C)**  
**Ex II 2 D T100°C**

This certificate may only be reproduced in its entirety, without any change, schedule included.


Baseefa (2001) Ltd. Customer Reference No. **0068**

Project File No. **04/0393**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa (2001) Ltd.**

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**R S SINCLAIR**  
DIRECTOR  
On behalf of  
Baseefa (2001) Ltd.



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## Schedule

14

Certificate Number Baseefa04ATEX0245

### 15 Description of Equipment or Protective System

A 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 1W light emitting diodes mounted onto an aluminium heatsink or two LED's without a heatsink, an electronic control module and fuse within a cylindrical flameproof enclosure, and terminal strips.

The luminaire is rated up to 254V a.c 2W to 8W depending upon the number of LED's fitted.

The enclosure is provided with cable entry holes which must be fitted with ATEX EEx e approved cable glands which maintain the ingress protection of the enclosure. Unused entries must be fitted with ATEX EEx e approved stopping plugs.

### 16 Report Number

Baseefa certification report 04(C)0393

### 17 Special Conditions for Safe Use

None

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
D2658	1	-	08.09.04	NEXLED Zone 1 - General Assembly
D2658	2	-	08.09.04	NEXLED Zone 1 - Wiring Details
D2658	3	-	08.09.04	NEXLED Zone 1 - LED and Driver Details