



1 **TYPE EXAMINATION CERTIFICATE**

2 **Equipment Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 Type Examination Certificate Number: **Baseefa04ATEX0244**  
4 Equipment: **A NEXLED Luminaire**  
5 Manufacturer: **Chalmit Lighting**  
6 Address: **388 Hillington Road, Glasgow, G52 4BL**

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

8 Baseefa (2001) Ltd. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment of Category 3 intended for use in potentially explosive atmospheres given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential Report No. **04(C)0305**

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

**EN 60079-15: 2003 EN 500281-1-1: 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 is subject to special conditions for safe use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following :

**⊕ II 3G Ex nAC II T6 (T<sub>amb</sub> = - 45°C to + 40°C) or T5 (T<sub>amb</sub> = - 45°C to + 55°C)**

**⊕ II 3D 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. **04/0305**

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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*M Powney*  
**M POWNEY**  
PP **R S SINCLAIR**  
**DIRECTOR**  
On behalf of  
Baseefa (2001) Ltd.



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## Schedule

14

Certificate Number Baseefa04ATEX0244

### 15 Description of Equipment

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 within an encapsulated 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 cable glands which maintain the ingress protection of the enclosure. Unused entries must be fitted with stopping plugs.

### 16 Report Number

Baseefa certification report 04(C)0305

### 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
D2657	1	-	30.08.04	NEXLED Zone 2 - General Assembly
D2657	2	-	30.08.04	NEXLED Zone 2 - Wiring Details
D2657	3	-	30.08.04	NEXLED Zone 2 - LED & Driver Details