



1 **TYPE EXAMINATION CERTIFICATE**

2 **Equipment intended for use in Potentially Explosive Atmospheres**

3 Type Examination Certificate Number : **BAS98ATEX3054**

4 Equipment: **MICRONEX FLOODLIGHT**

5 Manufacturer: **CHALMIT LIGHTING LIMITED**

6 Address: **388 Hillington Road, Glasgow, Scotland, 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 The Electrical Equipment Certification Service 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 N°

97(C)0962 dated 2 June 1998

9 Compliance with the Essential Health and Safety Requirements has been assessed by reference to:


prEN 50021: 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 and construction of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:-

 **II 3 G Ex nR II T3 (T_{amb} -30°C to +40°C)**

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


File No: EECS 0068/03/034

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
Tel: 01298 28000 Fax: 01298 28244



 **I M CLEARE**
DIRECTOR
2 June 1998



Schedule

13

14

TYPE EXAMINATION CERTIFICATE N° BAS98ATEX3054

15

Description of Equipment

16

Report Nos.

The Micronex Floodlight Luminaire is designed for fitting 70W SON/TS or 70W MBI/TS lamps at supply voltages of 200 to 254V, 50 or 60 Hz.

Enclosure

The enclosure comprises a die cast aluminium lid and body with a toughened glass lens fitted to the lid assembly. Internally the enclosure contains bracket mounted control gear, a reflector and RX7s lampholders.

The body is pierced with one or two entry holes for cable glands which may be up to M25. Plain holes and a flat plate with threaded holes may be provided as an alternative. The gland is sealed with a neoprene sealing washer and recessed washer supplied with the luminaire.

The supply conductors are terminated on a Type MK6 component certified terminal strip BASEEFA No. Ex 813095U coded EEx e II, incorporating pressure plates under screw pressure. Alternatively a Hylec terminal block, part No. PA76FV, may be used. If required conductors up to 6 mm² may be looped in to a Weidmuller MK6/6 way supply terminal block with cross connection combs fitted to link terminals.

The luminaire enclosure is classified as restricted breathing and has a degree of protection IP66 and IP67. The luminaire is bracket mounted.

An additional, external, earth facility may be fitted, or alternative means of suspending the luminaire, which do not penetrate the restricted breathing enclosure.

Control gear

The ballast, which includes thermal protectors, is manufactured by Transtar, Parry or Tridonic and is rated at 200 to 254V, 50 Hz and 210 to 254V, 60 Hz which is achieved by single or multi tappings. The ballasts have a T_w 130°C and Δt 55°C. Alternative ballasts may be used provided they have a T_w greater than or equal to 130°C and Δt less than or equal to 55°C, are of similar overall dimensions and are covered by third party assessment.

The ignitor is the Parry PXA 070 or PXA 100, which is covered by BASEEFA Component Approval Ex 97Y4283U coded Ex N II. Alternatively the Tridonic ZRM2 ES/B, Component Approval Ex 94Y4538U coded Ex N II or ZRM6 ES/B ignitor, Component Approval Ex 94Y4537U coded Ex N II may be fitted.

Capacitors which are marked Tc 90°C or Tc 85°C and which comply with EN 61048 and EN 61049 may be fitted.



Schedule

13

14

TYPE EXAMINATION CERTIFICATE N° BAS98ATEX3054

The capacitors and ballast may be omitted from the luminaire and located in a remote control gear box. The gear box may contain any ballast suitable for lamps in accordance with the lamp manufacturer's specification, provided that all ballasts comply with IEC 922 and IEC 923 or BS EN 60922: 1991 and BS EN 60923: 1991 and have third party assessment.

The following cable glands may be fitted to the enclosure:

HAWKE CABLE GLANDS		CMP PRODUCTS		BICC COMPONENTS	
Type	Certificate No	Type	Certificate No	Type	Certificate No
311	Ex 813162U	A2F	Ex 94C1293U	A2F	Ex 87B3022U
321		E1FX		E1W	Ex 87B3431U
352	Ex 813163U	E2FW		E1X	Ex 87B3430U
353		E1FW		RTL	Ex 87B3429U
353T	Ex 813164U	A4e		Ex 87B3413U	
354	Ex 813162U				
VBL321	Ex 813165U				
VBL352					
VBL353					
VBL354					

16 **Report No.**

97(C)0962 dated 2 June 1998

17 **Special Conditions For Safe Use**

None

18 **Essential Health and Safety Requirements**

Essential Health & Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.1	Integrated explosion safety requirements	4.1.0.1
1.0.2	Analysis of possible operating faults and misuse	4.1.0.2
1.0.5	Marking	4.1.0.5
1.0.6	Instructions	4.1.0.6
1.1.1	Materials not to trigger off explosions	4.1.1.1



Schedule

13

14

TYPE EXAMINATION CERTIFICATE N° BAS98ATEX3054

Essential Health & Safety Requirements not covered by Standards listed at (9)

Clause	Subject	Compliance
1.1.2	Constructional materials not to degrade and reduce protection	4.1.1.2
1.2.2	Components for incorporation and replacement	4.1.2.2
1.2.5	Additional means of protection	4.1.2.5
1.2.7	Protection against other hazards	4.1.2.7
1.3.3	Hazards arising from stray electric and leakage currents	4.1.3.3
1.4.1	Safe function in changing external conditions	4.1.4.1
1.4.2	Withstanding attack by stresses or aggressive substances	4.1.4.2
1.6.4	Hazards arising from connections	4.1.6.4

19 DRAWINGS

Number	Sheet	Issue	Date	Description
D1763	1	-	5.3.98	General arrangement
D1763	2	-	12.2.98	Detail views
A6568*	-	0	8.12.97	Cable gland details

*Drawing associated with BAS97ATEX4368 held on file 0068/03/030

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

BASEEFA List Keywords
2FLODLUM



1 **SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary Type Examination Certificate Number: **BAS98ATEX3054/1**

4 Equipment: **Micronex Floodlight Luminaire**

5 Manufacturer: **Chadmit Lighting Limited**

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

7 This supplementary certificate extends Type Examination Certificate No. **BAS98ATEX3054** to apply to equipment designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, which retains responsibility for its original documentation. Baseefa (2001) Ltd. is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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

Baseefa Customer Reference No.0068

Project File No. 04/0268

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.

R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com

Baseefa is a trading name of Baseefa (2001) Ltd
Registered in England No. 4305578 at the above address



13

Schedule

14

Certificate Number BAS98ATEX3054/1

15 **Description of the variation to the Equipment**

Variation 1.1

To add references of individual items to certificate BAS98ATEX3379U.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

None

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
D1763 Sheets 1&2	01	28.01.05	General Arrangement – Micronex Floodlight