



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: **Baseefa11ATEX0039**

4 Equipment or Protective System: **Evolution Junior Floodlight**

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, 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. **GB/BAS/ExTR11.0038/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN60079-0: 2009 EN60079-1: 2007 EN60079-7: 2007 EN 60079-31: 2009

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 GD Ex d e IIB Ta -50°C to +°C Gb Ex tb IIIC T*** Ta -50°C to +**°C Db IP66/67**

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



Baseefa Customer Reference No. **0068**

Project File No. **10/0210**

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

Baseefa

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R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number Baseefa11ATEX0039

15 Description of Equipment or Protective System

The Evolution Junior Floodlight comprises a sand cast or die cast aluminium alloy rectangular lamp housing with an integral increased safety terminal enclosure at one end and a threaded cover at the other. A potted lampholder, containing an ignitor, passes through the wall of the terminal enclosure into the lamp enclosure. Re-lamping is by withdrawal of the lampholder. Cables are passed from the terminal enclosure into the lamp holder and the lamp enclosure via line bushings to Baseefa04ATEX0317U or PTB 97ATEX1047U. The lamp enclosure contains a 70W SON/T or a 70W HQI-E lamp, a ballast located behind the lamp reflector and a capacitor located behind the threaded cover. Alternatively the control gear may be located remotely. The terminal enclosure houses terminals to SIRA01ATEX3249U and is provided with stopping plugs to BAS06ATEX0118U.

Cemented into a recess in the lamp housing is a glass window, which is retained by a rectangular frame, secured by screws, the heads of which are potted to prevent removal.

The floodlight may be manufactured from alternative materials of brass or gunmetal, and may be provided with various light shields and a window cover guard.

The floodlight may be provided without the threaded cover, the ballast, the capacitor and the bushing into the lamp enclosure, when fitted with double ended tungsten halogen lamps of 150, 200, 250 or 300W. A secondary glass may be clamped in contact with the cover glass for these fittings.

The floodlight is rated up to 277V a.c. 300W, and the temperature classification, dust marking and the ambient temperature range for the various lamps are indicated below.

| Lamp | Maximum Wattage | Secondary Glass Fitted | Temperature Classification | Dust Marking | Ambient Temperature Range |
|------------------|-----------------|------------------------|----------------------------|----------------|---------------------------|
| Tungsten Halogen | 300 | Yes | T2 | T255°C | -50°C to +40°C |
| | | No | T2 | T225°C | -50°C to +50°C |
| | 250 | Yes | T2 | T225°C | -50°C to +40°C |
| | | No | T3 | T190°C | -50°C to +20°C |
| | 200 | Yes | T2 | T225°C | -50°C to +50°C |
| | | No | T3 | T190°C | -50°C to +40°C |
| | | Yes | T3 | T190°C | -50°C to +25°C |
| | 150 | No | T3 | T170°C | -50°C to +55°C |
| Yes | | T3 | T190°C | -50°C to +55°C | |
| SON-T | 70 | - | T3 | T135°C | -50°C to +55°C |
| | | - | T4 | T120°C | -50°C to +40°C |
| HQI-E | 70 | - | T3 | T135°C | -50°C to +55°C |
| | | - | T4 | T120°C | -50°C to +40°C |

Cable entry holes are provided as specified on the certified drawings for the accommodation of suitable cable entry devices, with or without the interposition of a suitable thread adapter. Unused entries are to be fitted with suitable certified stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component) under an EC-Type Examination Certificate to Directive 94/9/EC.



When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR11.0038/00

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 |
|--------|----------|-------|----------|---------------------------------------|
| D1902 | 1-4 inc. | 04 | 08.03.10 | General Assembly Evolution Junior IIB |

These drawings are common to and held with IECEx BAS11.0020