



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: **Baseefa11ATEX0136X**

4 Equipment or Protective System: **Endurance LED Luminaire**

5 Manufacturer: **McGeoch Technology Limited**

6 Address: **86 Lower Tower Street, Birmingham, B19 3PA**

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/ExTR11.0197/00**

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

EN 60079-0: 2009 EN 60079-5: 2007, EN 60079-7: 2007, EN 60079-18: 2009 and 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 :

⊕ II 2GD Ex e mb q IIC T5 Gb Ex tb IIC T100°C Db IP66/68 Ta -20°C to +45°C

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

Baseefa Customer Reference No. **2782**

Project File No. **09/0062**

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**

A handwritten signature in blue ink, appearing to read "R S Sinclair".



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Schedule

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Certificate Number Baseefa11ATEX0136X

15 Description of Equipment or Protective System

The Endurance LED Luminaire consists of a cast aluminium body with flat polycarbonate diffuser containing a powder filled driver circuit and an array of encapsulated LEDs.

The diffuser is secured to the body by a metal frame and torx head screws and ingress protection of IP68 (1m for 2 hours) is ensured by a silicone rubber gasket. The luminaire enclosure is sealed for life and the luminaire includes an integral cable for connection to an electrical supply of 110 – 254V ac or 110V +/-10% dc.

Variation 0.1

The ambient temperature can be increased up to +60°C in which case the marking becomes:

⊕ II 2GD Ex e mb q IIC T4 Gb Ex tb IIIC T135°C Db IP66/68 Ta -20°C to +60°C

Variation 0.2

A certified breather drain may be fitted covered by IBExU05ATEX1132U in which case the IP rating of the luminaire is limited to IP66.

16 Report Number

GB/BAS/ExTR11.0197/00

17 Special Conditions for Safe Use

1. The integral cable must be terminated in a manner suitable for the zone in which it is installed.

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
MT5005/10	1	1	22/8/11	Endurance LED Light
MT5005/10Q	1	1	22/8/11	Endurance 'Q' Enclosure
MT5005/13	1	1	22/8/11	LED PCB Assembly

The above drawings are common to, and held on, IECEx BAS 11.0102X.