

### ATEX Category 3 Certificate

Equipment intended for use in potentially explosive atmospheres

Certificate Number: BME-PI-Z2-LED-19

Equipment: Pioneer Temporary Light

Manufacturer: BME Nitech Limited

Address: Unit 2A Nevis Business Park  
Balgownie Road  
Aberdeen  
AB22 8NT

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

BME Nitech Ltd certifies that this equipment or protective system has been found to comply with the essential health and safety requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the directive 2014/34/EU.

The examination and test results are recorded in confidential report no RETS(A)1605/A/1, RETS(A)1605/A/2 and BME-PI-Z2-LED-RPT-19.

Compliance with the essential health and safety requirements has been assured by compliance with:

BS EN 60079-0:2018, BS EN 60079-7:2015, BS EN 60079-11:2012, BS EN 60079-18:2015,  
BS EN 60079-28:2014 and BS EN 60079-31:2014

The equipment is subject to special conditions of use of which are defined in the schedule of this certificate.

Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the ATEX Directive 2014/34/EU.

The marking of the equipment shall include the following:

⊕ II 3 G D Ex ec ic mc IIC T4 Ex tc IP65 T81C

On behalf of BME Nitech Ltd:

Signed: 

Print: CALUM DAVIDSON

Date: 1<sup>st</sup> March 2019

**ATEX Category 3 Schedule**

Certificate Number: BME-GU-Z2-LED-19

**Equipment Description:**

The Pioneer temporary light is a fixed installation mains powered floodlight. It consists of a light-head enclosure fed into by a braided cable through a cable gland. Within the light-head enclosure there is a 2-part control module. The first part accepts the mains power supply and transforms this down to 12V with fitted temperature controls to switch off the supply in the event of over-voltage. The second part limits the outputs for the 16x 1W LEDs with incorporated transient crowbar protection. Additional bracket options are provided to permit attachments via scaffold clip, magnet, wall mount or floor stand. The light-head can also be provided with another cable gland attachment to permit the linkage of the lights on request. The light is transmitted through an injection moulded polycarbonate lens. The light is provided with a suitably rated EX male plug to connect tot the mains supply. The overall dimensions for the unit are 314mm x 177mm x 275mm at the full extent of the attached bracket. The apparatus has been tested for ingress protection and meets the requirements of IP65. It has been certified for use in Zone II (2) for gas environments and Zone 22 for dust environments. For use within an ambient temperature of -20°C to +40°C.

**Drawings:**

Number	Revision	Sheet	Date	Title
EX009	3	1 of 1	1 <sup>st</sup> March 2019	Lens
EX013	0	1 of 1	1 <sup>st</sup> March 2019	Lens Gasket
EX008	3	1 of 1	1 <sup>st</sup> March 2019	Light-Head
EX012	2	1 of 1	1 <sup>st</sup> March 2019	Light-Head Gasket
EX016	0	1 of 1	1 <sup>st</sup> March 2019	Zone II Pioneer LED Label
ARCV71	1	2 of 2	1 <sup>st</sup> March 2019	Control Module Circuit Diagram
ARCV46	3	1 of 1	1 <sup>st</sup> March 2019	Control Module Encapsulation Diagram (Driver)
ARCV56	2	1 of 1	1 <sup>st</sup> March 2019	Control Module Encapsulation Diagram (Mains in)

**Special Conditions of Certification**

- Use only with the power leads supplied.
- Do not open when energised.
- Do not open when an explosive atmosphere is present.
- Clean only with an anti-static damp cloth