

(1) **STATEMENT OF CONFORMITY**

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 94/9/EC**

(3) Statement of Conformity:



QS 14 ATEX 2111 X

(4) Equipment: **Explosion-proof lamp**

(5) Manufacturer: **Zhejiang Mingchuang Optoelectronic Technology Co., LTD.**

(6) Address: **No.269 Shifeng Road, Jinhua, Zhejiang, China, 321000**

(7) This equipment and protective system and any acceptable variation thereto are specified in the schedule to this declaration and documents therein referred to.

(8) QS Zürich AG declares that this equipment and 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 of Directive 94/9/EC.

The examination and test results are recorded in confidential **Test Report B12-397-WT**

(9) Compliance with the essential health and safety requirements has been assured by compliance with

IEC 60079-0:2007

IEC 60079-1:2007

(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 of this statement of conformity.

(11) This statement of conformity relates only to the design and construction of this specified equipment and protective system in accordance with directive 94/9/EC. Further requirements of this directive apply to the manufacture and supply of this equipment or protective system.

(12) The marking of the equipment or protective system shall include the following:

 II 2G d IIC T6 Gb
-20°C < Ta < +40°C

QS Zürich AG

Zürich, 2nd October 2014


L. Beljean
Manager of the Certification Body



(13)

SCHEDULE

(14)

STATEMENT OF CONFORMITY QS 14 ATEX 2111 X

(15) **Description of Equipment or Protective System:**

LED Explosion-proof Lamp consists of enclosures with glass cover and terminal cover using led particles as lighting source and designed for IIC Group. The enclosure is made of casting aluminum alloy (ZL102) and the glass is tempered glass cemented to the enclosure. There are three explosion-proof chambers separated by epoxy resin sealing. The lamp is available for an ambient temperature range -20°C to +40°C.

The electrical wiring and fusing is not part of this examination.

(16) **Type / Versions:**

MF..- .

10..150: 10W..150W

AC 100 – 240V

IP65

(17) **Test Report:**

B12-397-WT

(18) **Special conditions:**

Repairs of the flameproof joints may only be made by the manufacturer or on behalf of the manufacturer and on his own responsibility. Repair in compliance with the values in tables of IEC 60079-1 is not accepted.

The external and internal earth connection facility shall be connected reliably.

The cable entry hole has to be connected by means of suitable cable entry device with type of protection at least of Ex d IIC Gb. The cable entry device is approved in accordance with IEC60079-0 and IEC60079-1, and which is covered by a separate conformity certificate.

Fasteners related with flameproof joints shall have at least the 8.8 class.

When installation, use and maintenance, observe following standards IEC 60079-10, IEC60079-14, IEC60079-17 and IEC 60079-19.

(19) **Supplementary information:**

See instruction manual

(20) **Essential Health and Safety Requirements:**

in compliance with the aforementioned standards

Zürich, 2nd October 2014

L. Beljean

Manager of the Certification Body