


UNIT ASSESSMENT CERTIFICATE

ARTIDOR 24ATEX9999 X

- 1.
- 2.
3. We, Artidor Explosion Safety B.V., Emopad 38, 5663 PB Geldrop, The Netherlands, herewith declare that:
4. Apparatus: Explosion-safe LED spot light
Type: AR-040/xxx
Supply: 12 – 30 V DC
Power: 12 Watt
Quantity: 1 piece
Lot No.: AS249999
5. 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 European directive 2014/34/EU.
6. Compliance with the Essential Health and Safety Requirements for group II, category 3GD equipment has been assured by compliance with the following harmonized standards:
 - EN 60079-0:2018
 - EN 60079-7:2015 / A1:2018
 - EN 60079-31:2014
7. The design and the results of the examination and tests carried out are documented in confidential technical construction file No. AS249999, held at the offices of Artidor Explosion Safety B.V.
8. If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to the specific conditions for use as described in this declaration.
9. The marking of the equipment includes the following:
 **II 3 G Ex ec IIC T4 Gc**
II 3 D Ex tc IIIC T135°C Dc
10. This certificate only relates to the examination and tests according to European directive 2014/34/EU and to the equipment of the above mentioned type, lot number and Ex marking.
11. Production is controlled by the Artidor Quality Assurance system in accordance with ISO 9001:2015 and annex VIII of European directive 2014/34/EU.
12. This certificate does not imply that the apparatus meets all statutory requirements in any particular industry or circumstance.
13. The ambient temperature allowed is -30 °C to +50 °C.

14. Description

The AR-040 Spot light consists of a die cast aluminium housing, stainless steel bracket and has an impact resistant polycarbonate safety glass. The printed circuit board contains the driver electronics and five power leds. The housing is provided with a nickel plated brass cable gland. The housing has an IP67 ingress protection level.

The surface resistance of the polycarbonate safety glass and of the protective cover is higher than 10^9 Ohm. A warning is attached to the outside to draw attention to the risk of electrostatic charge.

The AR-040 can be delivered with LED optics at an angle of 10° (spotlight), 38° (wide-angle light), or a combination of both (work light).

The metallic housing of the spot light is connected to the protective earth (PE) conductor.

15. **Specific conditions for use**

1. To avoid electrostatic charge clean with a damp cloth only. Do not use solvents.
2. Propagating brush discharges must be avoided, please refer to the Installation Manual.

Geldrop, 1 December 2024

M. Moolenaar
Managing Director and EX Authorized Person