


UNIT ASSESSMENT CERTIFICATE

ARTIDOR 26ATEX9999 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 traffic light
Type: AR-045/xxx
Supply: 24 V DC
Power: 4 Watt
Quantity: 1 piece
Lot No.: AS26999
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 60079-18:2015 / A1:2017
 - 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. AS26999, 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 mc IIC T4 Gc
II 3 D Ex mc 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 -20 °C to +60 °C.

14. Description

The AR-045 LED traffic light consists of a stainless steel housing with up to three LED warning lights. The warning lights consists of a stainless steel housing, an impact resistant polycarbonate lens, a certified cable gland and a printed circuit board containing the leds and control electronics. The light is sealed by an O-ring and meets ingress protection level IP65 according EN 60529.

The electronics and leds are encapsulated and meet the requirements of protection method Ex mc. The traffic light with a single light is provided with a factory sealed 5 meter long cable. The traffic lights with two or three lights is provided with a an ATEX certified increased safe (ec) and dust tight (tc) connection box.

The AR-045 can be delivered with any combination of red, amber or green warning lights.

15. **Specific conditions for use**

1. Propagating brush discharges shall be avoided, refer to the installation manual.
2. To avoid electrostatic charge clean with a damp cloth only. Do not use solvents.
3. The cable must be installed fixedly.

Geldrop, 17 February 2026

F. Hartman
QA Manager and EX Authorized Person