

UNIT ASSESSMENT CERTIFICATE

Issued by a competent body in explosion safety

ARTIDOR 23ATEX9999

We, Artidor Explosion Safety B.V., Emopad 38, 5663 PB Geldrop, The Netherlands, herewith declare that:

Apparatus: Explosion-safe LED warning light
Type: AR-048
Supply: 24 V DC
Power: 4 Watt
Quantity: 1 piece
Lot No.: AS239999

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 directive 2014/34/EU.

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 60079-18:2015 / A1:2017

The design and the results of the examination and tests carried out are documented in confidential technical construction file No. AS239999, held at the offices of Artidor Explosion Safety B.V.

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to the special conditions for safe use as described in this declaration.

The marking of the equipment includes the following:



II 3 G Ex mc IIC T4 Gc
II 3 D Ex mc IIIC T135°C Dc

This certificate only relates to the examination and tests according to directive 2014/34/EU and to the equipment of the above mentioned type, lot number and Ex code.

Production is controlled by the Artidor Quality Assurance system in accordance with ISO 9001:2015 and annex VIII of directive 2014/34/EU.

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-048 LED warning light consists of a stainless steel or anodized aluminium housing and a 5 mm thick impact resistant polycarbonate lens. The light is sealed by a silicone O-ring and the printed circuit board containing the 15 leds and electronics are moulded using a special polyurethane. Protection method against ignition Ex mc "moulding" has been applied. The housing is provided with an Ex e cable gland and a fixed 5 meter long cable.

The AR-048 can be delivered with red, yellow or green leds.

Geldrop, 1 January 2023

M. Moolenaar
Managing Director and EX Authorized Person