

# Explosion-safe LED Signal light AR-047

Suitable for Zone 1 / 21, with fixed cable



ARTIDOR

## Features

- ATEX and IECEx certified
- Suitable for use in gas and dust environments, Zone 1, 2, 21 and 22
- Light color red, yellow / amber or green
- Continuous lighting or blinking, user selectable
- AISI 316 stainless steel housing
- Polycarbonate (PC) impact-resistant window
- Ingress protection level IP65
- 24 - 48 VDC, 4 Watt
- Fixed cable, 5 meters



II 2 G Ex mb IIC T4 Gb  
II 2 D Ex mb IIIC T135°C Db



## Description

Artidor's omnidirectional explosion-safe AR-047 LED signal light is designed for use under the most demanding conditions. The robust stainless steel AISI 316 housing and top plate, the 20 mm thick impact-resistant window, the silicon seals and molded electronics ensure that the lamp is completely impervious to water and salt.

The latest generation LEDs ensure a clearly perceptible visual signal. Dependent on the user's selection, the light will burn continuously or it blinks at a frequency of 1 Hertz. The signal light can be ordered with a radial cable connection or (at request) with a bottom connection. This makes the lamp highly suitable for use as a warning light on control cabinets.

The connection cable has a standard length of 5 meters.

The Artidor AR-047 LED signal light is explosion-safe and certified in accordance with European Directive 2014/34/EU (ATEX 114) and is CE marked. The AR-047 signal light also meets the requirements of the IEC certification system for explosive atmospheres (IECEx).



ZONE 1/21



STANDARDS COMMITTEE MEMBER



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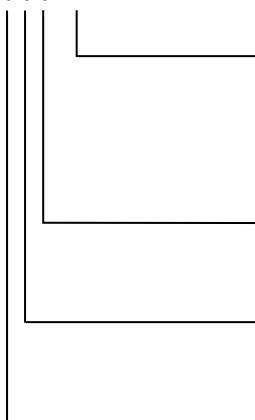
## Technical data

|                           |   |
|---------------------------|---|
| Explosion safety:         | II 2 G Ex mb IIC T4 Gb, II 2 D Ex mb IIIC T135°C Db   |
| European directives:      | 2014/34/EU (ATEX 114), 2014/30/EU (EMC)   |
| Applied standards:        | EN IEC 60079-0:2018 and EN 60079-18:2015 / A1:2017  |
| Certificates:             | DEKRA 23ATEX0068X (ATEX) and IECEx DEK 23.0048X (IECEx)   |
| Light color:              | Red (625 nm), yellow / amber (610 nm) or green (530 nm)   |
| Luminance:                | Red: 4.250 Cd/m <sup>2</sup> , yellow / amber: 6.350 Cd/m <sup>2</sup> and green: 8.300 Cd/m <sup>2</sup> |
| Material:                 | AISI 316 stainless steel housing, 20 mm impact-resistant polycarbonate window                             |
| Ingress protection level: | IP65 according to EN 60529  |
| Supply voltage:           | 24 - 48 VDC ± 10%   |
| Nominal current:          | 160 mA @ 24 VDC   |
| Connection:               | Fixed cable, 4 x 0,5 mm <sup>2</sup> , length 5 m   |
| Earth connection:         | External, stainless steel, 4 mm <sup>2</sup>  |
| Ambient temperature:      | -20 °C to +60 °C  |
| Dimensions:               | Ø 95 x 60 mm (excl. cable gland)  |
| Mounting:                 | Stainless steel bracket   |
| Weight:                   | 1.750 gram  |



## Order code

AR-047 / 0 3 3 - R



### Light color

R = Red, 625 nm

Y = Yellow / amber, 610 nm

G = Green, 530 nm

### Housing material

3 = Stainless steel AISI 316

### Lighting mode

3 = Continuous or blinking, user selectable – 4-wire connection

### Cable position

0 = Radial (default, see picture)

1 = Axial