

Explosion-safe LED Signal light AR-047

Omnidirectional, with fixed cable



Features

- ATEX certified
- Suitable for use in gas and dust environments, Zone 2 and 22
- 15 LEDs
- Light color red, yellow / amber or green
- Continuous lighting or blinking
- AISI 316 stainless steel or anodized aluminum housing
- PMMA impact-resistant window
- Ingress protection level IP65
- 24 VDC, 4 Watt
- Fixed cable, 5 meters



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



Description

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

The 15 latest generation LEDs ensure a clearly perceptible visual signal. Dependent on the execution, the light will burn continuously or it blinks at a frequency of 1 Hertz. The signal light can be ordered either with a radial cable connection or with a connection on the back of the lamp. 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. For application under less demanding conditions there is also a version available with an anodized aluminum housing and top plate.

The Artidor LED signal light is explosion-safe and certified in accordance with European Directive 2014/34/EU (ATEX 114) and is CE marked.



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Technical data

Explosion safety:	II 3 G Ex ec IIC T4 Gc, II 3 D Ex tc IIIC T135°C Dc
European directives:	2014/34/EU (ATEX 114), 2014/30/EU (EMC)
Applied standards:	EN 60079-0:2018, EN 60079-7:2015 / A1:2018 and EN 60079-31:2014
Light color:	Red (625 nm), yellow / amber (610 nm) or green (530 nm)
Luminance:	Red: 4.250 Cd/m ² , yellow / amber: 6.350 Cd/m ² and green: 8.300 Cd/m ²
Material:	AISI 316 stainless steel or anodized aluminum housing, 20 mm impact-resistant window (PMMA)
Ingress protection level:	IP65 according to EN 60529
Supply voltage:	24 VDC ± 10%
Nominal current:	160 mA @ 24 VDC
Connection:	Fixed cable, 3 x 1 mm ² or 4 x 1 mm ² , length 5 m
Earth connection:	External, stainless steel, 4 mm ²
Ambient temperature:	-20 °C to +60 °C
Dimensions:	Ø 95 x 52 mm (excl. cable gland)
Assembly:	M5 tapped holes (3x) on an 81 mm pitch circle diameter
Weight:	1.395 gram (stainless steel) / 575 gram (aluminum)



Order code

AR-047 / 0 2 3 - R

