Explosion-safe LED Signal light AR-043

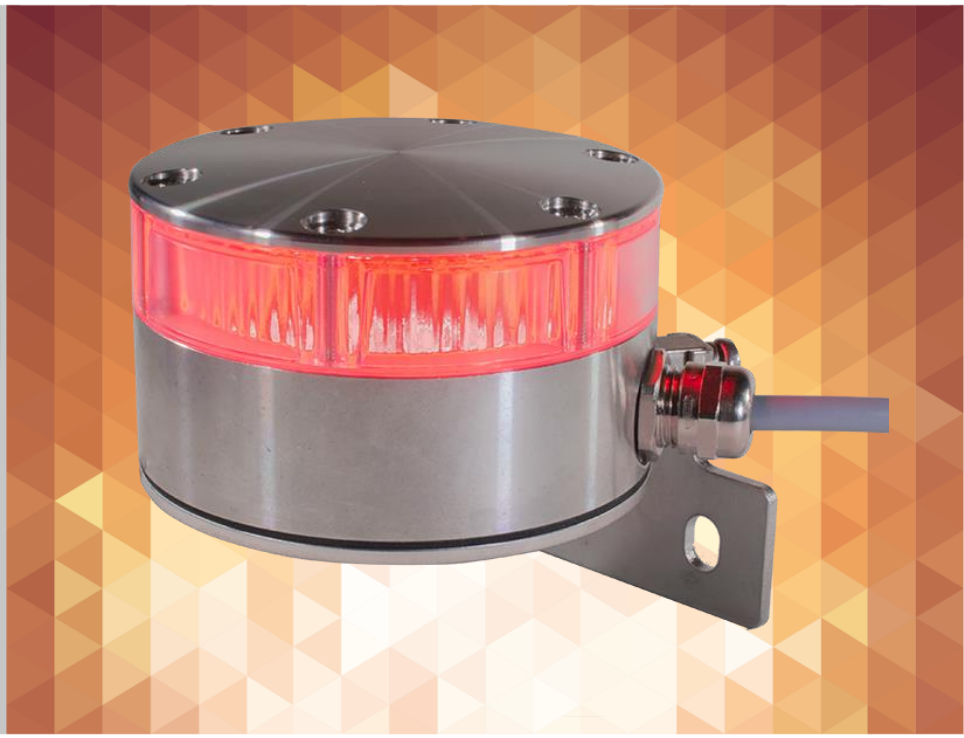
Omnidirectional, with fixed cable

ARTIDOR

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, user selectable
- AISI 316 stainless steel or anodized aluminum housing
- Polycarbonate (PC) impact-resistant window
- Ingress protection level IP65
- 24 VDC, 4 Watt
- Fixed cable, 5 meters

II 3 G Ex mc IIC T4 Gc
II 3 D Ex mc 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 silicon seals and cast electronics ensure that the lamp is completely impervious to water and salt.

ZONE 2/22

The 15 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. 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.

NEN
STANDARDS COMMITTEE MEMBER

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Technical data

Explosion safety:	II 3 G Ex mc IIC T4 Gc, II 3 D Ex mc IIIC T135°C Dc
European directives:	2014/34/EU (ATEX 114), 2014/30/EU (EMC)
Applied standards:	EN 60079-0:2018 and EN 60079-18:2015 / A1:2017
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 polycarbonate window
Ingress protection level:	IP65 according to EN 60529
Supply voltage:	24 VDC ± 10%
Nominal current:	160 mA @ 24 VDC
Connection:	Fixed cable, 4 x 0,75 mm^2, length 5 m
Earth connection:	External, stainless steel, 4 mm^2
Ambient temperature:	-20 °C to +60 °C
Dimensions:	Ø 95 x 60 mm (excl. cable gland)
Mounting:	Stainless steel bracket
Weight:	1.750 gram (stainless steel) / 930 gram (aluminum)

Order code

AR-043 / 0 3 3 - R

Light color
R = Red, 625 nm
Y = Yellow / amber, 610 nm
G = Green, 530 nm

Housing material
1 = Anodized aluminum
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 (at request)

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This document is subject to change without notice.

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