

# Explosion-safe SpotLED AR-040

For industrial applications and transportation vehicles



## Features

- ATEX certified: suitable for use in zone 2 (gas) and zone 22 (dust) hazardous areas
- Ingress protection level IP67
- Coated aluminum housing
- Available in two different housing colors
- Stainless steel bracket, powder coated
- Light source: 5 PowerLEDs, 3 Watts each
- 780 Lumen
- Various beam angles with different optics
- Rotation angle from -50° to +105°



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



## Description

ARTIDOR's explosion-safe SpotLED combines high-performance and energy-efficiency with state-of-the-art LED technology, making it suitable for a wide range of applications. The robust SpotLED can successfully be applied on construction sites, transport vehicles, forklifts, lathes, or milling machines or for the illumination of facades.

The SpotLED is available with LED optics with an angle of 10° (spotlight), 38° (wide-angle light), or a combination of both (work light). The cable has a standard length of 5 meters. Due to the stainless steel bracket and the large 155° rotation angle, the SpotLED is suitable for mounting against walls or sloping surfaces.

ARTIDOR's SpotLED is certified in accordance with European Directive 2014/34/EU (ATEX 114) for use in hazardous areas and is CE marked.



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### Technical data

Explosion safety:	ATEX II 3 G Ex nA IIC T4 Gc; II 3 D Ex tc IIIC T135°C Dc
Applicable European Directives:	2014/34/EU (ATEX 114) and 2014/30/EU (EMC)
CE conformity:	EN 60079-0:2012 / A11:2013, EN 60079-15:2010, EN 60079-31:2014
Power supply:	12 - 30 VDC
Power consumption:	500 mA @ 24 VDC, 950 mA @ 12 VDC
Light source:	Cree 3 Watt PowerLEDs (5x), 780 Lumen
Beam angles:	10° - 38° (depending on the optics used)
Light color:	Neutral white (~6700 K) and warm white (~3000 K)
Rotation angle:	-50° to +105°
Material:	Die cast aluminum housing and stainless steel bracket coated in the same color Polycarbonate impact-resistant safety glass
Ingress protection level:	IP67 according to EN 60529
Electrical connection:	Fixed cable, length 5 meters (brown = +24 VDC, white = 0 V, green = ground / earth)
Ambient temperature:	-30 °C to +50 °C
Dimensions:	93 x 62 x 82 mm
Weight:	350 grams

### Ordering codes

Type number	Housing color	LED optics	Light color
AR-040/100	Silver gray	5 x 38°	Neutral white
AR-040/110	Silver gray	5 x 10°	Neutral white
AR-040/120*	Silver gray	3 x 10° / 2 x 38°	Neutral white
AR-040/200	Black	5 x 38°	Neutral white
AR-040/210	Black	5 x 10°	Neutral white
AR-040/220	Black	3 x 10° / 2 x 38°	Neutral white
AR-040/400	Silver gray	5 x 38°	Warm white
AR-040/410	Silver gray	5 x 10°	Warm white
AR-040/420	Silver gray	3 x 10° / 2 x 38°	Warm white
AR-040/500	Black	5 x 38°	Warm white
AR-040/510	Black	5 x 10°	Warm white
AR-040/520	Black	3 x 10° / 2 x 38°	Warm white

\* Shown in the image on the front page