

KIRA Leuchten ATEX Ex LED Tube Luminaires Zone 1, 21, 2, 22

Kira Leuchten GmbH type KE-LED-EX-4006-O ATEX LED TUBE LUMINAIRE ATEX TUBE LIGHT / MACHINE LIGHT | 230V - 110V - 42V - 24V - 12V

The explosion-proof LED light KE-LED-EX 4006, known as a tube light and machine light, presents itself as an ideal lighting solution for safe use in machines, vehicles and systems of all kinds where the highest standards in terms of explosion protection are required. With its special design, it not only meets strict safety requirements, but also offers optimal and bright illumination of work areas, making it an indispensable tool in demanding environments.

Safe light for machines, vehicles and systems:

The EX lamp relies on six integrated POWER LED modules that ensure outstanding lighting quality. These state-of-the-art modules are designed to ensure bright and even illumination that meets the safety requirements of machines, vehicles and equipment in vulnerable areas. This not only ensures safety in the workplace, but also increases the efficiency of work processes.

Easy construction:

The mounting brackets included in the scope of delivery enable uncomplicated installation, which is both time-saving and user-friendly. This practical solution ensures rapid integration of the luminaire into a wide range of applications without compromising on safety.

Five voltage variants :

The explosion-proof LED luminaire is not only a reliable light source, but also an investment in the safety and efficiency of work environments. Its explosion-proof design makes it particularly suitable for use in demanding industrial environments where explosion protection is paramount (EX Zone 1, 2, 21 & 22). The availability of five voltage variants opens up a wide range of application possibilities in different scenarios

Optional colour choice:

Upon request, we can equip the luminaire with a colored cover in green, yellow, red, or blue. This instantly transforms the tube light into an explosion-proof signal or warning light – ideal for marking hazardous areas, visualizing processes, or clearly highlighting specific work zones.

Typical applications:

- Chemical and petrochemical plants – clear signaling in potentially explosive production areas
- Oil and gas industry – robust warning lights for production facilities or refineries
- Food and pharmaceutical industry – visual marking of sensitive production areas
- Warehouse and logistics in hazardous areas – organization and safety through color markings

EX Signal Light:



Colour variants optionally available.

Overall, the explosion-proof LED light KE-LED-EX 4006 presents itself as a technologically advanced solution that not only meets the highest safety standards, but also contributes to improving working conditions. With its optimal lighting design, easy installation and focus on explosion protection, this luminaire is a first-class choice for all applications where safety and efficiency are paramount. **KIRA MADE IN GERMANY.**

Technical specifications:

Nominal voltage: 230-110-42-24-12V
Current: 0,05 up to 0,29 A
IP Protection Class: IP68 50m / 5h
Impact Resistance: IK10
Protection Class: Class II/III
Weight: Approx. 1,65 kg
Tamb: -20°C - +50°C
Number of LED's: 6
Lifetime LED: >50,000h
Power: Depend on voltage
Real lumen: Depend on voltage
Light colour: 6,500K
Colour rendering: >70
Diffuser: OPTIONAL
Protective tube: Polycarbonate IK10
End Caps : Aluminium, black anodized
Cable: 10 mtr H07BQ-F 2x1,5 mm²
Plug: OPTIONAL
Mounting brackets: Included

ATEX Identification:

II 2 G Ex eb mb op is IIC T4 Gb(Gas)
 II 2 D Ex tb op is IIIC T105°C Db (Dust)
Tool group: II
Category: 2G / 2D
Approvals: ATEX Zone 1, 21, 2, 22
ATEX Number: TÜV 18 ATEX 8184



Dimensions:



a - b - c - d - e - f - g - h (in mm)

35 - 265 - 125 - 45 - 25 - 43 - 40 - 470



Article numbers Ex-4006:



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Article No.	Description	Voltage	Colour	Wattage	Lumen	Current
89KRL146104	KE-LED-EX-4006 with 5m cable H07BQ-F 2x1,5 mm ² w/o plug	220/240Vac	6,500K	7,0 W	520 lm	0,05 A
89KRL146100	KE-LED-EX-4006 with 10m cable H07BQ-F 2x1,5 mm ² w/o plug	220/240Vac	6,500K	7,0 W	520 lm	0,05 A
89KRL146101	KE-LED-EX-4006 with 15m cable H07BQ-F 2x1,5 mm ² w/o plug	220/240Vac	6,500K	7,0 W	520 lm	0,05 A
89KRL146102	KE-LED-EX-4006 with 20m cable H07BQ-F 2x1,5 mm ² w/o plug	220/240Vac	6,500K	7,0 W	520 lm	0,05 A

Article No.	Description	Voltage	Colour	Wattage	Lumen	Current
89KRL146111	KE-LED-EX-4006 with 5m cable H07BQ-F 2x1,5 mm ² w/o plug	110Vac/dc	6,500K	6,4 W	460 lm	0,05 A
89KRL146110	KE-LED-EX-4006 with 10m cable H07BQ-F 2x1,5 mm ² w/o plug	110Vac/dc	6,500K	6,4 W	460 lm	0,05 A
89KRL146112	KE-LED-EX-4006 with 15m cable H07BQ-F 2x1,5 mm ² w/o plug	110Vac/dc	6,500K	6,4 W	460 lm	0,05 A
89KRL146113	KE-LED-EX-4006 with 20m cable H07BQ-F 2x1,5 mm ² w/o plug	110Vac/dc	6,500K	6,4 W	460 lm	0,05 A

Article No.	Description	Voltage	Colour	Wattage	Lumen	Current
89KRL146121	KE-LED-EX-4006 with 5m cable H07BQ-F 2x1,5 mm ² w/o plug	42Vac/dc	6,500K	5,5 W	400 lm	0,11 A
89KRL146120	KE-LED-EX-4006 with 10m cable H07BQ-F 2x1,5 mm ² w/o plug	42Vac/dc	6,500K	5,5 W	400 lm	0,11 A
89KRL146122	KE-LED-EX-4006 with 15m cable H07BQ-F 2x1,5 mm ² w/o plug	42Vac/dc	6,500K	5,5 W	400 lm	0,11 A
89KRL146123	KE-LED-EX-4006 with 20m cable H07BQ-F 2x1,5 mm ² w/o plug	42Vac/dc	6,500K	5,5 W	400 lm	0,11 A

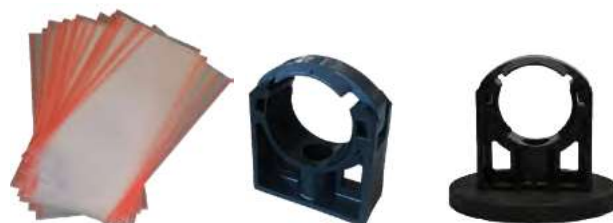
Article No.	Description	Voltage	Colour	Wattage	Lumen	Current
89KRL146129	KE-LED-EX-4006 with 5m cable H07BQ-F 2x1,5 mm ² w/o plug	24Vac/dc	6,500K	5,3 W	520 lm	0,18 A
89KRL146130	KE-LED-EX-4006 with 10m cable H07BQ-F 2x1,5 mm ² w/o plug	24Vac/dc	6,500K	5,3 W	520 lm	0,18 A
89KRL146132	KE-LED-EX-4006 with 15m cable H07BQ-F 2x1,5 mm ² w/o plug	24Vac/dc	6,500K	5,3 W	520 lm	0,18 A
89KRL146134	KE-LED-EX-4006 with 20m cable H07BQ-F 2x1,5 mm ² w/o plug	24Vac/dc	6,500K	5,3 W	520 lm	0,18 A

Article No.	Description	Voltage	Colour	Wattage	Lumen	Current
89KRL146141	KE-LED-EX-4006 with 5m cable H07BQ-F 2x1,5 mm ² w/o plug	12Vac/dc	6,500K	4,2 W	370 lm	0,29 A
89KRL146140	KE-LED-EX-4006 with 10m cable H07BQ-F 2x1,5 mm ² w/o plug	12Vac/dc	6,500K	4,2 W	370 lm	0,29 A
89KRL146143	KE-LED-EX-4006 with 15m cable H07BQ-F 2x1,5 mm ² w/o plug	12Vac/dc	6,500K	4,2 W	370 lm	0,29 A
89KRL146144	KE-LED-EX-4006 with 20m cable H07BQ-F 2x1,5 mm ² w/o plug	12Vac/dc	6,500K	4,2 W	370 lm	0,29 A

Special requests can be fulfilled - provided they are covered by the EX Certificate.

Accessories:

Article No.	Description
89KRL291249	Protective foil, antistatic SFO-EX 4006
89KRL290432	Mounting bracket (1 pcs) BFK D40 EX
89KRL291275	Magnetic bracket (1 pcs) KM 40-EX-KL



IP68 Protection - 50m / 5h.

Protection Class:

230V - 110V - 42V are Class II

24V - 12V are Class III

Kira can offer a large range of Safety Transformers and ATEX EX Transformers. Contact our product specialists for more info.