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Ex-Tank inspection luminaire KFL

(Zone 1, 2, 21, 22)

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The compact luminaire for the process industry

The robust and compact explosion-protected KFL tank inspection light fitting is used in all sectors of the process industry for the illumination of boiler interiors, tanks and agitators. The light features special mounting feet which can be attached to different inspection windows of sizes DN 40 to DN 80 in accordance with DIN 28120. The housing is made of copper-free aluminium and has a lens made of impact-resistant borosilicate glass. The aluminium collar has a PTFE coating (Teflon) and is sealed with a Viton seal.

Multifunctional use

In addition to the use for illuminating boilers, this tank inspection light fitting can be used in combination with a special handle as a maintenance and repair light. High-voltage halogen reflector lamps as well as high-power LED lamps can be used. The extremely robust design of this fitting, the resistance to chemicals and UV and the high degree of protection IP 66 allow the use of this light fitting even under extremely harsh conditions.



Features

- Compact design
- Ready to connect for 230 V AC
- With 50 W halogen reflector lamp or 7 W high-power LED lamp
- High luminous efficacy
- Generously dimensioned terminal compartment
- Mounting onto inspection windows according to DIN 28120
- High degree of protection IP67

Ordering details



Type	Content	Lamp / Illuminant	Weight	Cable gland/ thread	Screw plug	Order No.
KFL						
KFL 50	-20 °C up to +55 °C	230 V 50 W (incl.)	3 kg	2 x M25, metal thread	1 x M25	NOR 000 005 140 010
KFL 50	-50 °C up to +55 °C	230 V 50 W (incl.)	3 kg	2 x M25, metal thread	1 x M25	NOR 000 005 140 900
KFL 7 LED	-20 °C up to +55 °C	LED Lamp (incl.)	3 kg	2 x M25, metal thread	1 x M25	NOR 000 005 140 011
KFL 7 LED	-50 °C up to +55 °C	LED Lamp LED (incl.)	3 kg	2 x M25, metal thread	1 x M25	NOR 000 005 140 906

Accessories



Type	Content	Application	Order unit	Order No.
Lamp	Halogen reflector lamp 230 V/50 W, socket GZ 10	KFL 50	1	NOR 000 000 514 529
Lamp	Halogen reflector lamp 12 V/50 W, socket BA 15d	KFL 50 TIM	1	on request
LED-lamp	LED Lamp 5,5 W socket GU 10	KFL 7 LED	1	NOR 000 000 514 531
AT	Transport grip	KFL..	1	NOR 000 005 140 809
PAD	Antiglare shield	KFL..	1	NOR 000 005 140 700
PI	Mounting legs bended	KFL..	1	NOR 000 005 140 776

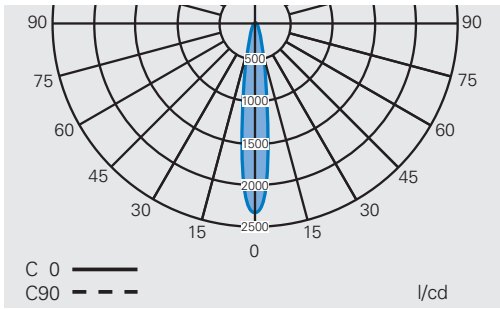
Scope of delivery without lamp, if not stated otherwise.
Metal cable glands see catalogue part 2: 2.3.12 ff

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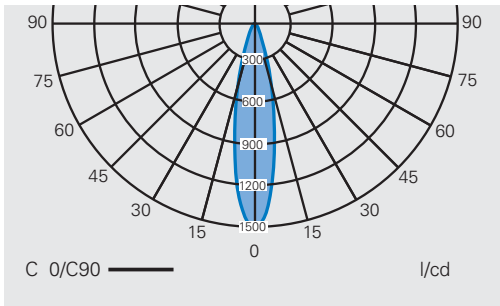
Dimension drawing / Polar curve

KFL

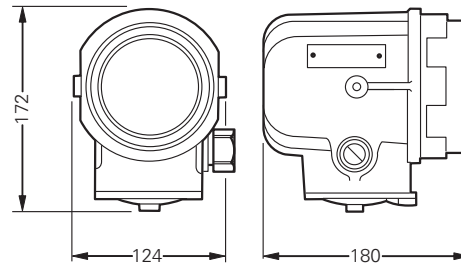
Polar curve KFL 50



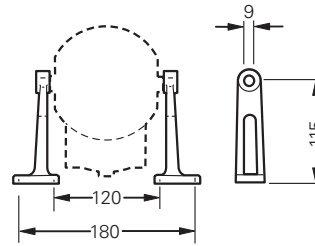
Polar curve KFL 50 / 7 LED



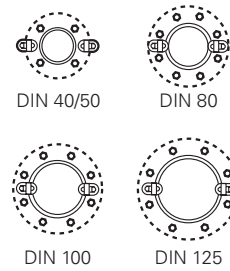
KFL 50 / 7 LED



Light fixing facility PR



Allowed tank windows, nominal width



Dimensions in mm



Technical data

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	KFL 50	KFL 7 LED
EC-Type Examination Certificate	LOM 02 ATEX 2035	LOM 02 ATEX 2035
IECEX Certificate of Conformity	IECEX BK1 07.0009	I
Marking accd. to 94/9/EC	⊕ II 2 G Ex de IIC T3 ⊕ II 2 D Ex tD A21 IP67 T140 °C	⊕ II 2 G Ex de IIC T6 ⊕ II 2 D Ex tD A21 IP67 T80 °C
Marking accd. to IECEx	Ex de IIC T3 Ex tD A21 IP67 T140 °C	
Permissible ambient temperature	-20 °C up to +55 °C, -50 °C up to +55 °C option	-20 °C up to +55 °C, -50 °C up to +55 °C option
Rated voltage	230 V	100- 240 V
Frequency	50 - 60 Hz	50 - 60 Hz
Protection class	I	I
Lamp name	50 W high-voltage type Sylvania, others on request ¹⁾	5,5 W LED GU 10 ¹⁾
Lamp cap	Ba15d accord. IEC 60061	GU10 accord. IEC 60061
Rated luminous flux f the luminaire		375 lm
Dimensions (L x W x H)	180 x 124 x 172 mm	180 x 124 x 172 mm
Connecting terminals	2 x 2.5 mm ² , PE internal and external 6.0 mm ²	2 x 2.5 mm ² , PE internal and external 6.0 mm ²
Enclosure colour	Grey	Grey
Enclosure material	Light alloy with powder coating	Light alloy with powder coating
Weight	3 kg	3 kg
Cable glands / gland plates / enclosure drilling	1 x M25 x 1.5 thread, 1 x M25 Ex-e screw plug	1 x M25 x 1.5 thread, 1 x M25 Ex-e screw plug
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Toughened glass	Toughened glass

¹⁾ Scope of delivery