Ex-Tank inspection luminaire KFL

(Zone 1, 2, 21, 22)

4

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 stands which can be attached to different inspection windows of sizes DN 40 to DN 200 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.

High-power LED lamps can be used. In addition to that, versions are also available in low voltage applictations.

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.





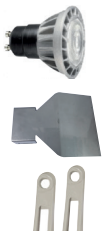
Features

- Compact design
- Ready to connect for 230 V AC and low voltage 12/24 V AC/DC
- For up high-power LED lamp up to 10 W
- High luminous efficacy
- Generously dimensioned terminal compartment
- Mounting onto inspection windows according to DIN 28120
- High degree of protection IP66



Ordering details

Type	Content	Lamp / Illuminant	Weight	Cable gland/ thread	Threaded plug	Order No.
KFL						
KFL 7 LED	incl. lamp	GU10 lamp socket 8 W 230 V LED (incl.)	3 kg	2 x M25, metal thread	1 x M25	**NOR 000 005 140 906**
KFL 7 LED	without lamp	GU5.3 lamp socket (without lamp) for LED lamps up to 10 W 12/24 V	3 kg	2 x M25, metal thread	1 x M25	**NOR 000 005 140 031**



Accessories

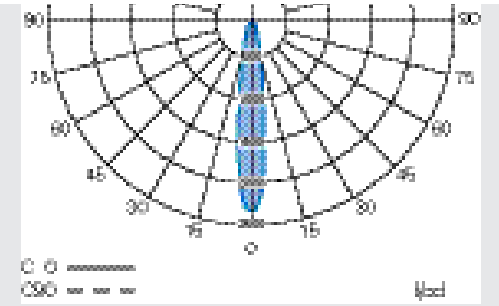
Type	Content	Application	Order unit	Order No.
LED lamp	LED lamp 8 W Socket GU 10	KFL 7 LED	1	**NOR 000 000 514 531**
PAD	Antiglare shield	KFL..	1	**NOR 000 005 140 700**
PI	Mounting stands bended	KFL..	1	**NOR 000 005 140 776**

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

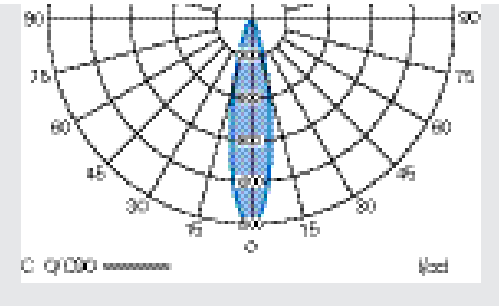
Dimension drawing / Polar curve

KFL

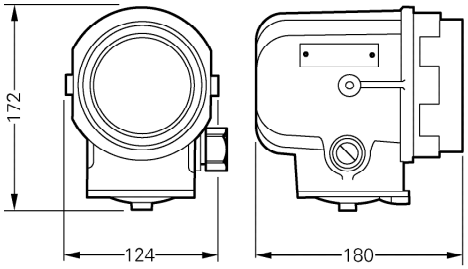
Polar curve KFL 50 IM



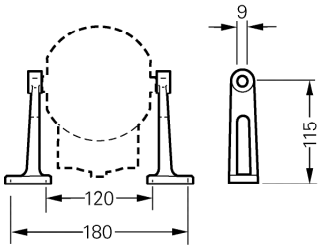
Polar curve KFL 50 IM / 7 LED



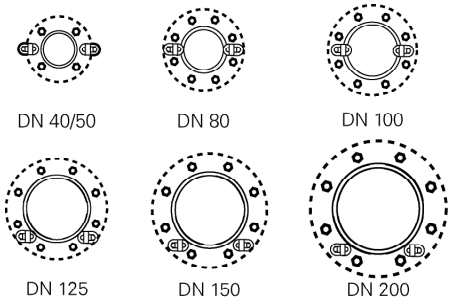
KFL 50 IM / 7 LED



Light fixing facility PI



Allowed tank windows, nominal width



Dimensions in mm





Technical data

	KFL 7 LED / KFL 7 LED low voltage	Portable KFL 7 LED
EC-Type Examination Certificate	LOM 02 ATEX 2035	LOM 02 ATEX 2035
Marking accd. to 2014/34/EU	Ex II 2 G Ex d e IIC T6 Gb Ex II 2 D Ex tb IIIC T85 °C Db	Ex II 2 G Ex d e IIC T6 Gb Ex II 2 D Ex tb IIIC T85 °C Db
Permissible ambient temperature	-50 °C up to +55 °C	-50 °C up to +55 °C
Rated voltage	220 - 240 V AC / 12/24 V DC	220 - 240 V AC / 12/24 V DC
Frequency	0 / 50 - 60 Hz	0 / 50 - 60 Hz
Protection class	I	I
Lamp name	8 W / 10 W LED [1]	8 W / 10 W LED [1]
Lamp cap	GU10 / GU5.3 accord IEC 60061 [1]	GU10 / GU5.3 accord IEC 60061 [1]
Rated luminous flux of the luminaire (typical, ± 10 %)	depends on lamp	depends on lamp
Dimensions (L x W x H)	180 x 124 x 172 mm	230 x 158 x 310 mm
Connecting terminals	2 x 2.5 mm², PE internal and external 6.0 mm²	2 x 2.5 mm², PE internal and external 6.0 mm²
Enclosure colour	Grey	Grey
Enclosure material	Light alloy with powder coating	Light alloy with powder coating
Weight	3 kg	6 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