

LEADER LED 100 D15 Ex 5000K

Explosion-proof floodlights



Description

LEADER LED Ex series luminaires designed for all classes of indoor and outdoor explosion-hazardous locations in oil/gas and petrochemical industry according to explosion protection marking.

Installation

Surface-mounted using a mounting bracket with angle adjustment capability.

Design

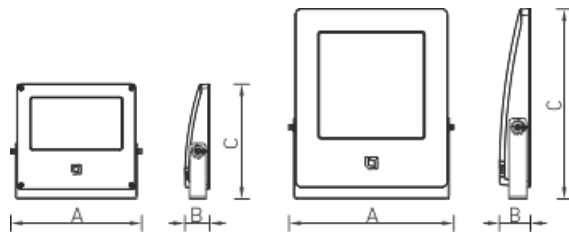
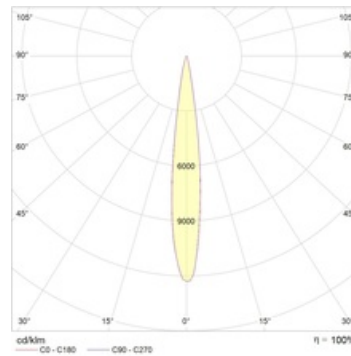
The housing and the universal adjustable mounting fixture are made of die-cast aluminum. A driver is installed inside the housing. Mounting straps, fasteners are made of stainless steel.

Optical part

Complex cluster-type optics with a wide light distribution. Diffuser is made of impact-resistant tempered borosilicate glass.

EX Mark

2Ex nR mb II T6 Gc / Ex tb IIIC Ta 80° C Db – for 30, 50 W luminaire; 2Ex nR mb II T5 Gc / Ex tb IIIC Ta 100° C Db – for 100 W luminaire; 2Ex nR mb II T4 Gc / Ex tb IIIC Ta 130° C Db - for 140 W luminaire.



Dimensional characteristics

A	Length	420 mm
B	Width	480 mm
C	Height	80 mm
D	Length (mounting)	200 mm
	Weight	11.1 kg

Technical features

1	Article no.	1350000560
2	Marking for gas	-
3	Dust marking	-
4	Mine gas coal dust marking	-
5	Light source	LED
6	Luminous flux	12000 lm
7	Power compatibility	105 W
8	Energy efficiency	114 lm/W
9	Color rendering index (CRI)	>70
10	Color temperature	5000 K
11	Power factor (cosFI)	> 0,95
12	Alternating/direct current (AC/DC)	No
13	Dimming	-
14	Rated voltage	230 V
15	Electrical shock protection	I
16	Climate application	CIm App1
17	Ambient temperature	-60 to +55 C
18	Housing color	Grey
19	Fire protection class	I,II,IIa,III
20	Flickering	<5%
21	Ingress protection (IP)	IP66
22	Mechanical shock protection	IK08/5 J
23	Energy efficiency class	A+
24	Inrush current	0,8 A
25	Emergency power supply unit	No
26	Beam angle	D15
27	Warranty	60 months