

TITAN 12 LED Ex 5000K

Explosion-proof Led-based luminaires



Description

TITAN LED EX is intended for usage in hazardous areas of all classes of indoor and outdoor installations of oil, gas and petrochemical industry according to explosion protection marking.

Installation

Mounting using M6.

Design

Coper-free aluminium alloy housing. The Led-module, driver and spring connector for power supply are mounted inside the housing. Mounting straps, fasteners are made of stainless steel. Led-module is separated and makes "m" type explosion-proof enclosure (encapsulation). Spring connector is making "e" type explosion-proof enclosure (increased safety). For through wiring modification housing is attached to a junction box with a mounting strap making "e" type explosion-proof enclosure (increased safety).

Optical part

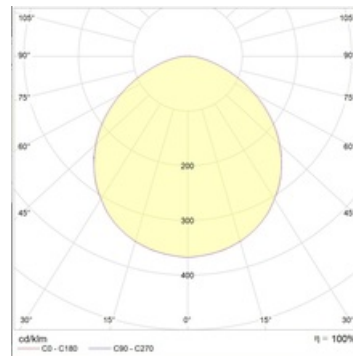
Transparent or opal diffuser is made of impact-resistant polycarbonate. Led source: SMD.

EX Mark

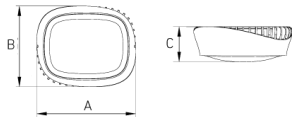
1 Ex e mb II T6 Gb X/Ex tb IIIC Ta 80° Db X

Characteristics

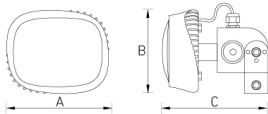
Zones: gas explosion protection – 1, 2; dust explosion protection – 21, 22. Terminal (base version): 3x1,5~2,5 mm² (L+N+PE). Terminal (through wiring modification): 4x1,5~4 mm² (L+N+PE). Earthing: internal and external (through wiring modification) , M4 (base version) and M5 (through wiring modification). CRI: 80. Color temperature: 5000 K.



TITAN LED Ex



TITAN LED Ex JB



Dimensional characteristics

A	Length	155 mm
B	Width	130 mm
C	Height	55 mm
D	Length (mounting)	66 mm
	Weight	0.7 kg

Technical features

1	Article no.	1670000250
2	Marking for gas	1 Ex e mb II T6 Gb X
3	Dust marking	Ex tb IIIC T80 C Db X
4	Mine gas coal dust marking	-
5	Light source	LED
6	Luminous flux	1150 lm
7	Power compatibility	12 W
8	Energy efficiency	96 lm/W
9	Color rendering index (CRI)	>80
10	Color temperature	5000 K
11	Power factor (cosFI)	> 0,99
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	Metallic
19	Fire protection class	-
20	Flickering	100%
21	Ingress protection (IP)	IP66
22	Mechanical shock protection	IK08/7 J
23	Energy efficiency class	A+
24	Inrush current	-
25	Emergency power supply unit	No
26	Beam angle	D120
27	Warranty	60 months