

# TITAN 12 LED OPL 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

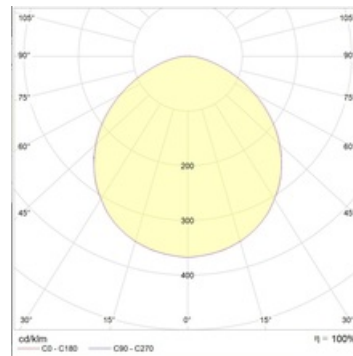
Transparent or opal diffuser is made of impact-resistant polycarbonate. Led source: SMD.

## EX Mark

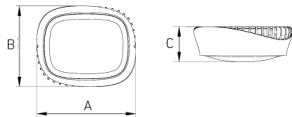
1 Ex e mb II T6 Gb X/Ex tb IIIC Ta 80° Db X

## Characteristics

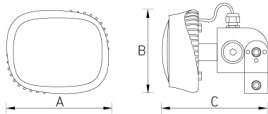
Zones: gas explosion protection – 1, 2; dust explosion protection – 21, 22. Terminal (base version): 3x1,5~2,5 mm<sup>2</sup> (L+N+PE). Terminal (through wiring modification): 4x1,5~4 mm<sup>2</sup> (L+N+PE). Earthing: internal and external (through wiring modification) , M4 (base version) and M5 (through 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.	1670000160
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	1100 lm
7	Power compatibility	12 W
8	Energy efficiency	92 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