

## POLARIS MH70B Ex

Explosion-proof luminaires for gas-discharge lamps



### Description

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

### Installation

Universal mounting bracket with angle adjustment capability. Pipe mounting.

### Design

Copper-free aluminium alloy housing. The holder, control gear and terminals for power supply are mounted inside the housing. Mounting straps, fasteners are made of stainless steel.

### Optical part

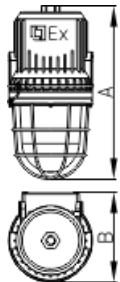
Diffuser is made of impact-resistant tempered borosilicate glass with stainless steel grid. Optionally, it can be supplied with external reflector.

### EX Mark

1 Ex d IIC T4 Gb/Ex tb IIIC Ta130°C Db

### Characteristics

Explosion-proof protection according "flameproof enclosure "d", "dust ignition "t". Zones: gas explosion protection – 1, 2; dust explosion protection – 21, 22. Terminal: spring terminals, 3x1,5~4 mm<sup>2</sup> (L+N+PE). Earthing: internal and external, M5.



## Dimensional characteristics

A	Length	412 mm
B	Width	214 mm
C	Height	197 mm
D	Length (mounting)	460 mm
E	Width (mounting)	60 mm
	Weight	11.7 kg

## Technical features

1	Article no.	4595000110
2	Marking for gas	1 Ex d IIC T4 Gb
3	Dust marking	Ex tb IIIC T130 C Db
4	Mine gas coal dust marking	-
5	Light source	MHL
6	Socle	E27
7	Number of Lamps	1
8	Luminous flux	5200 lm
9	Power compatibility	70 W
10	Ballast	ECG
11	Dimming	-
12	Power factor (cosFI)	> 0,98
13	Alternating/direct current (AC/DC)	No
14	Rated voltage	230 V
15	Electrical shock protection	I
16	Climate application	Clim App1
17	Ambient temperature	-60 to +55 C
18	Housing color	Grey
19	Fire protection class	Ila
20	Flickering	<15%
21	Ingress protection (IP)	IP66
22	Mechanical shock protection	IK08/7 J
23	Energy efficiency class	B...A+
24	Emergency power supply unit	No
25	Beam angle	-
26	Warranty	18 months