

## Description

The MGBAR EX is an explosion proof IP66 LED luminaire designed for illumination in hazardous areas where an explosive atmosphere persists for a short period.

## Environment

Outdoor/Indoor

## Installation

Surface mounted

## Application

Hazardous zones 2, 22. Industrial areas and facilities with a danger of flammable gas, dust and vapour explosion



5YR

Warranty

IP66

Protection

75,000hrs

Lifetime

IK08

Toughness

## General Data

Voltage	AC220-240V 50-60Hz
Power Factor	>0.95
Light Source	LED
LED Lifetime	75,000hrs/ L80B50
Operating temperature	0°C to 35°C
Marking of explosion protection	II 3G Ex nA T6 Gc; II 3D Ex tD IIIC T85°C IP66 Dc
Explosion Group	Gas: IIC, IIB, IIA Dust: IIIC, IIIB, IIIA
Materials	Opal polycarbonate diffuser, UV stabilised, high impact resistance Light grey polycarbonate body, UV stabilised, high impact resistance, stainless steel diffuser retaining clips. Sheet steel gear tray, white finish ATEX cable gland -2xM20

## Light Data

Lumens per Watt	110-127lm/W
-Light Source	LED
CRI	80
Light Distribution	Direct

## Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGBAR EX LED1X1300 C101 T840 PC/PC OP IC EX	11.6	120	1389	4000	662	96	111	1.3
MGBAR EX LED1X1900 C102 T840 PC/PC OP IC EX	17.2	110	1884	4000	662	96	111	1.3
MGBAR EX LED2X1300 C103 T840 PC/PC OP IC EX	3.2	120	2779	4000	662	96	111	1.8
MGBAR EX LED2X1900 C105 T840 PC/PC OP IC EX	32.4	116	3768	4000	662	96	111	1.8
MGBAR EX LED1X2600 C107 T840 PC/PC OP IC EX	23.2	120	2779	4000	1272	96	111	2.1
MGBAR EX LED1X3800 C108 T840 PC/PC OP IC EX	32.4	116	3768	4000	1272	96	111	2.1
MGBAR EX LED2X2600 C110 T840 PC/PC OP IC EX	43.8	127	5558	4000	1272	146	111	2.8
MGBAR EX LED2X3800 C111 T840 PC/PC OP IC EX	64.8	116	7537	4000	1272	146	111	2.8
MGBAR EX LED1X3200 C113 T840 PC/PC OP IC EX	27.3	127	3437	4000	1572	96	111	2.6
MGBAR EX LED1X4700 C114 T840 PC/PC OP IC EX	40.5	116	4711	4000	1572	96	111	2.6
MGBAR EX LED2X3200 C116 T840 PC/PC OP IC EX	54.7	127	6947	4000	1572	146	111	3.3
MGBAR EX LED2X4700 C117 T840 PC/PC OP IC EX	81	116	9421	4000	1572	146	111	3.3

## Options

OPTION	CODE
Emergency version 3 hours	EM3
5 pole terminal block in the middle of luminaire for easy through wiring	5TB
Through wiring 3x2.5mm <sup>2</sup> with push in terminal blocks	1LIN2.5
Through wiring 5x2.5mm <sup>2</sup> with push in terminal blocks	3LIN2.5