

Application

The DMG1 series can be used in petroleum mining, oil refining, the chemical industry, the military industry, and other hazardous environments.

In the event of a power failure, the emergency lights will automatically illuminate.

Specification

Body material : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey)
(optional offshore painting-acrylic polyurethane coating)
Bolts : Stainless steel, SS 304
(optional SS 316)
Sealing (O-ring) : Silicone

Product Features

Luminous efficacy : 110 lm/W
Colour temperature : Standard 5,700 K (daylight)
Colour Rendering Index (Ra) : ≥ 70 (optional Ra ≥ 80)
Chip : Cree 3535
Beam angle : Average 25°

Electrical for Emergency unit

Operation : Non-maintained mode
Battery : Ni-MH, 7.2 V, 2x 2.5 Ah
Recharge time : 16-24 hours,
continuous battery recharge
Emergency starting time : ≤ 0.5 seconds
Emergency duration : 180 minutes (3 hours)

Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex II 2G	Ex II 2D
Symbol of Protection	Ex db IIC T6 Gb	Ex tb IIIC T85°C Db
Certificate	KDB 21 ATEX 0033X IECEx KDB 21.0005X	
Conformity to Standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31	
Ambient Temperature	-20°C to +60°C	
Index of Protection	IP66	
Entry Threads	M20x1.5, M25x1.5, 1/2" NPT or 3/4" NPT at right and left side	
Mounting	Wall mounting	
Connection	L, N and PE ; for 1-4 mm ² cable (Through wiring system with an extra terminal block for cable connection at both ends.)	
Rated Voltage	220-240 V AC ±5%, 50/60 Hz	

Catalogue Number Logic

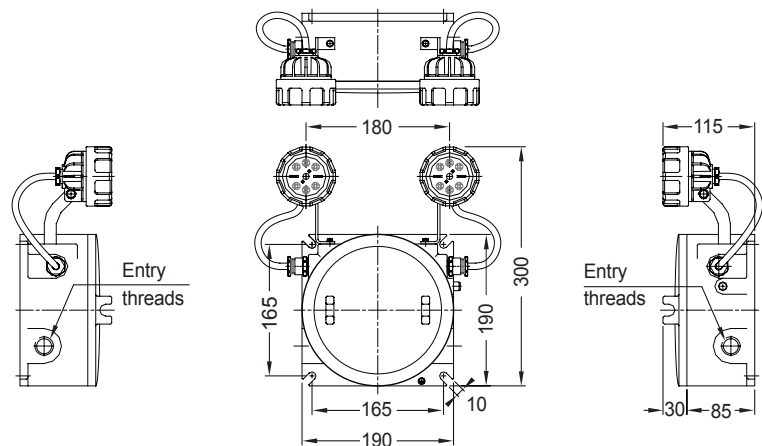
DMG1	-	203	LED	-	□□
Series		Lamp watt	Lamp type		Entry threads
		2x 3 W			
				M1	M20x1.5
				M2	M25x1.5
				N1	1/2" NPT
				N2	3/4" NPT

Ordering Requirements

Cat. No.	Lamp watt	Lumen output	Temp. Class (for zone 1 & 2)		Max. Surface Temp.* (for zone 21 & 22)		Approx. weight (kg)
			Ta 40°C	Ta 60°C	Ta 40°C	Ta 60°C	
DMG1-203LED-□□	2x 3 W	660 lm	T6	T6	T85°C	T85°C	5.5

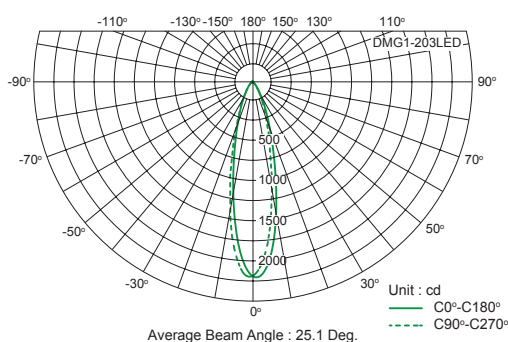
Remark * : The maximum surface temperatures are specified for dust free condition. The dust layer which may cover around the lighting fixture will cause to higher surface temperature.

Dimensions (mm)



Volume 1,816 cm³

Luminous Intensity Distribution Curve



INSPECTION AND MAINTENANCE SCHEDULE (EIT Standard 021004-22)	First installation	Periodic inspection	
		Every months (function)	Every year
Discharge duration	≥ 120 minutes	≥ 30 seconds	≥ 120 minutes