

## Application

The DMG series can be used in petroleum mining, oil refining, chemical industry, military industry and other dangerous environment.

In case of power failure 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, SUS 304  
(optional SUS 316)
- Sealing (O-ring) : Silicone

## LED System

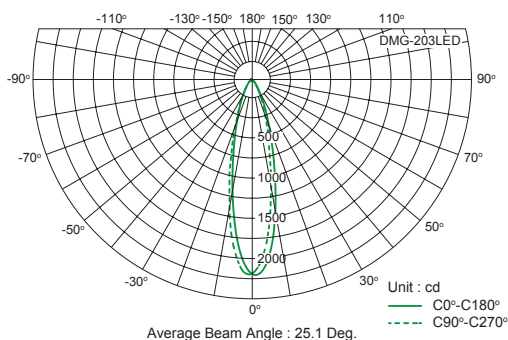
- Luminous efficient : 100 lm/W
- Colour temperature : Standard 5700 K (daylight)
- Color Rendering Index (Ra) : ≥ 70  
(optional Ra ≥ 80)
- Chip : Cree 3535
- Beam angle : Average 25°

## Electrical for Emergency unit

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



## Luminous Intensity Distribution Curve



## Technical Data

<b>Hazardous Area</b>	<b>Gas</b>	<b>Dust</b>
<b>Zones</b>	<b>1 &amp; 2</b>	<b>21 &amp; 22</b>
<b>Equipment Group/Category</b>	<b>Ex II 2G</b>	<b>Ex II 2D</b>
<b>Symbol of Protection</b>	<b>Ex db IIB T6 Gb</b>	<b>Ex tb IIIC T85°C Db</b>
<b>Certificate No.</b>	<b>TÜV CY 17 ATEX 0205815X</b>	
<b>Conformity to standards</b>	EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-31:2014, EN 60598-1:2015	
<b>Ambient Temperature</b>	0°C to +55°C	
<b>Index of Protection</b>	IP66	
<b>Entries</b>	M20x1.5, M25x1.5, 1/2" NPT or 3/4" NPT at right and left side	
<b>Mounting</b>	Wall mounting	
<b>Connection</b>	L, N and PE ; for 1-4mm. <sup>2</sup> cable (Through wiring system with an extra terminal block for cable connection at both ends.)	
<b>Rated Voltage</b>	220V.ac ±5% 50Hz.	

## Catalogue Number Logic

<b>DMG - 203 LED - □□</b>			
Series	Lamp Watt	Lamp Type	Entries
203	2x 3W.		M1 M20x1.5
204	2x 4W.		M2 M25x1.5
			N1 1/2" NPT
			N2 3/4" NPT

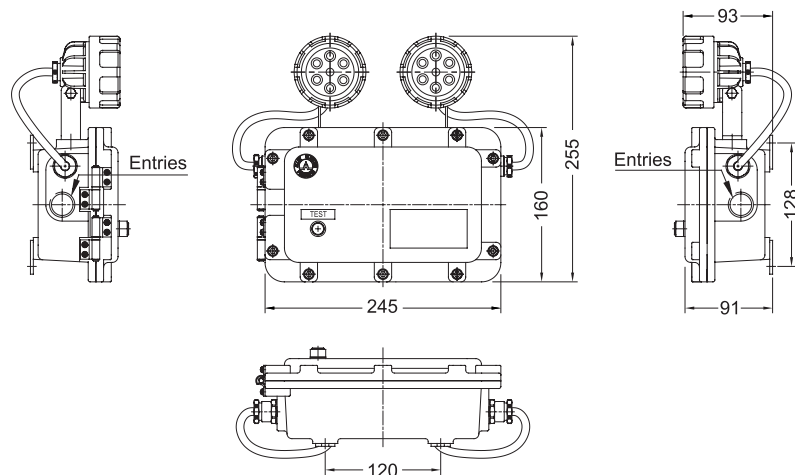


## Ordering Requirements

Cat. No.	Lamp Watt	Lumen Output	Temp. Class (for zone 1 & 2)		Max. Surface Temp.* (for zone 21 & 22)		Approx. Weight (kgs.)
			Ta 40°C	Ta 55°C	Ta 40°C	Ta 55°C	
DMG-203LED-□□	2x 3W.	600 lm	T6	T6	T85°C	T85°C	10.09
DMG-204LED-□□	2x 4W.	700 lm	T6	T6	T85°C	T85°C	10.09

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.

## Dimension



INSPECTION AND MAINTENANCE SCHEDULE (EIT Standard 021004-22)	Routine Test		
	First installation	Every months (function)	Every year
Discharge Duration	≥ 120 minutes	≥ 30 secondes	≥ 120 minutes