

# Lighting: Emergency Light, DMG Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



## 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)
- Lid screws : Stainless steel, SUS 304
- Sealing ring : Silicone

## LED System

- Luminous efficient : 100 lm/W
- Colour temperature : 5700 K (cool white)
- Color Rendering Index (Ra) : >70
- Chip : CREE
- Beam angle : Average 25°

## Electrical for Emergency unit

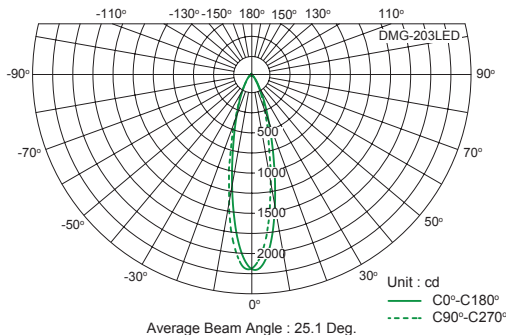
- Operation : Non-maintained mode
- Battery : Ni-MH, 7.2V. 2.25Ah.  
(Min. 2000 charging cycles or min. 2 years in nominal operating conditions)
- Recharge time : 16-24 hours from fully discharge
- Emergency duration : 120Min. (2-Hours)

## Option (specify)

- Body : Offshore painting (Acrylic polyurethane coating)
- Lid screws : Stainless steel, SUS 316
- 3-hours emergency duration (please specify)
- Battery : Ni-MH, 7.2V. 4.5Ah.
- Color Rendering Index (Ra) : >80



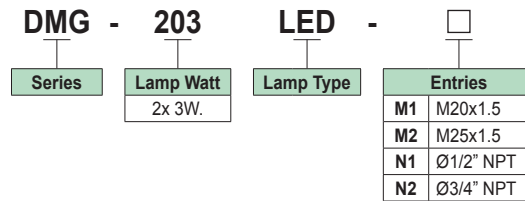
## Luminous Intensity Distribution Curve



## 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 IP66</b>
<b>Certificate</b>	<b>TÜV CY 17 ATEX 0205815 X</b>	
<b>Conformity to standards</b>	EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014, EN 60529 ed 2.2:2013, 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, Ø1/2" NPT or Ø3/4" NPT at right and left side	
<b>Mounting</b>	Wall mounting	
<b>Connection</b>	L, N and E ; 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

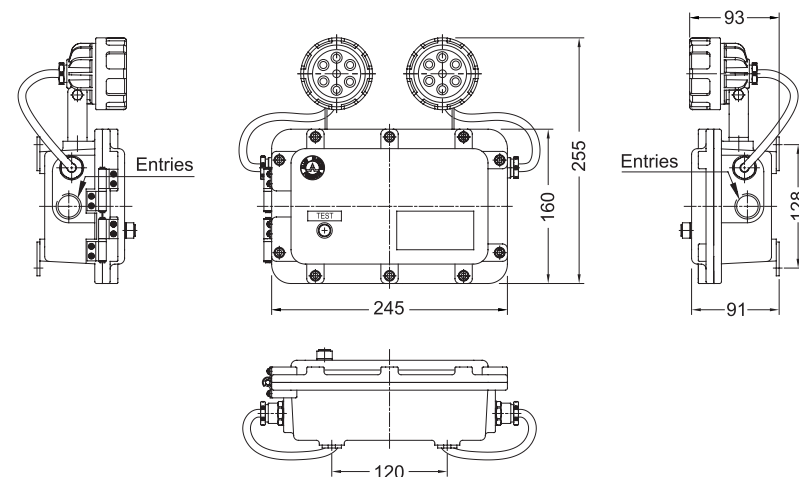


## Ordering Requirements

Cat. No.	Lamp Watt	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.	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



## Maintaining

Routine Test	Discharge Duration
Every 3 months	≥ 60 minutes
Every year	≥ 90 minutes