

## Mars-8W-C Series LED Bulkhead light Rev A

### Product Instruction\_IP65 8W LED Bulkhead Light

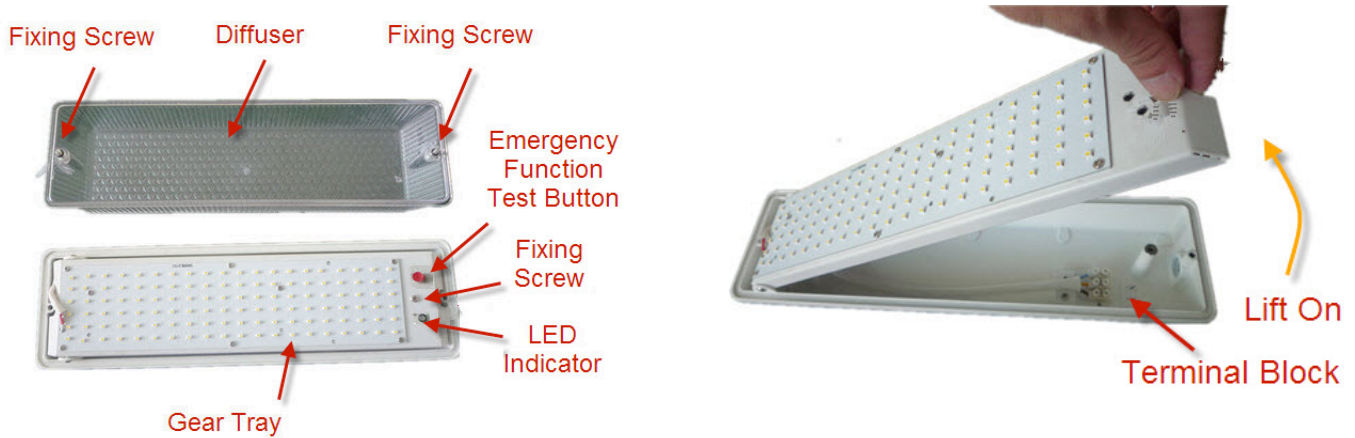


Series No.	Description	Finish
<b>LL-04-8W-C</b>	8W Standard LED Bulkhead	White
<b>LL-04-8W-E</b>	8W LED Bulkhead 3 Hours Emergency	White
<b>LL-04-8W-S</b>	8W LED Microwave Sensor dimmable	White
<b>LL-04-12W-C</b>	12W Standard LED Bulkhead	White
<b>LL-04-12W-E</b>	12W LED Bulkhead 3 Hours Emergency	White
<b>LL-04-12W-S</b>	12W LED Microwave Sensor dimmable	White

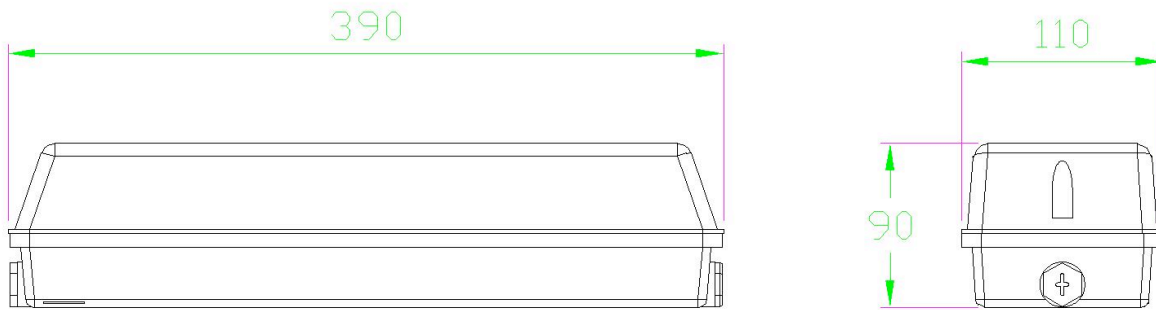
#### Product Features:

- LED lighting source, green and energy saving;
- IP65, available for outdoor use;
- Polycarbonate(PC) diffuser;
- 3 Hours emergency(option available);
- Anti-glare design: against from the dizzy light;
- No UV, no infrared, no other Hazardous Substances;
- No noise, no flicker, resistance from vibration;
- CE&ROHS compliant;.

## Mechanical Structure:



## Product Dimensions (mm):



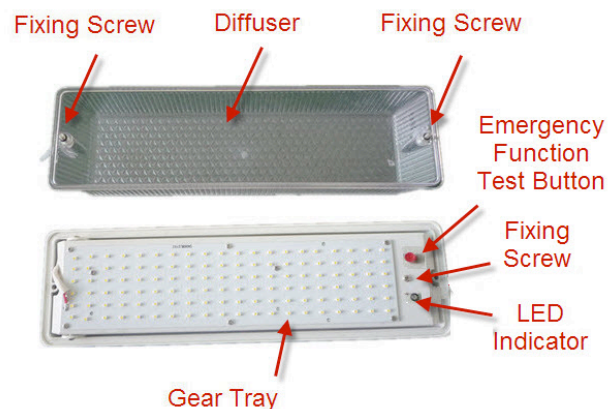
## Electrical parameters:

<b>Input voltage ( 50/60Hz)</b>	AC 100-240V
<b>Power consumption</b>	8W (6-12W available)
<b>PF</b>	>0.9
<b>LED Driver output voltage</b>	DC 36V
<b>LED Driver output current</b>	300mA ±15mA
<b>Light source</b>	Epistar 3528SMD LED 160 PCS
<b>Color Temperature</b>	3000K /4000K /6000K (optional)
<b>CRI</b>	>75
<b>Flux luminous</b>	960Lm for standard version 880Lm for emergency version
<b>Luminous efficacy</b>	120Lm /W for LL-04-8W-C 110Lm /W for LL-04-8W-E

<b>View angle</b>	120°
<b>Housing material</b>	Die-cast aluminum base , PC diffuser
<b>IP Rating</b>	IP 65
<b>Life Span</b>	Up to 50,000 hours
<b>Operation temperature</b>	-20 deg C to 40 deg C
<b>Dimension</b>	390*110*90mm
<b>Package</b>	420*120*115mm
<b>Net Weight</b>	2.2KG(approx)
<b>Emergency:</b>	
<b>Type</b>	Maintained
<b>Battery(High-Temperature)</b>	9.6V 1.6AH Ni-MH rechargeable
<b>Emergency output</b>	30% nominal power
<b>Emergency duration</b>	>3 Hours
<b>Charge time</b>	< 12Hours
<b>LED indication</b>	Red: charging; Green: fully charged; Yellow: battery fault or disconnected
<b>Test button</b>	AC power on: Push and hold the button to enter emergency mode; release button to come back AC power mode

## Installation Instruction:

These instructions should be read in full and retained after Installation for future reference.



**Fig 1**

## SAFETY

- It is recommended that this luminaire is installed by a qualified electrician and installed to the current edition of the IEE wiring regulations.

- Before installation or maintenance is carried out, ensure that the main supply is Switched Off, and adequately isolated.
- Check and ensure the total load of this and any other luminaires on the same circuit does not exceed that of the fuse or main circuit breaker.

## FIXING INSTRUCTIONS

- Remove the diffuser from the base by unscrewing the 2 retaining screws.
- Unscrew the fixing screws on one side of the gear tray (see Fig 2) to lift on the LED gear tray and gain access to the terminal block.



Fig 2

- Drill 2 of four fixing holes on the back of the base, and the one at the rear for cable entry (see Fig 3). Then measure the position of the luminaire and ensure the fitting surface to bear the weight of the luminaire. Drill the marked holes and fit a suitable wall/surface plug.
- Feed the power supply cable through gland and rear hole (for IP65 rating), then fix the luminaire to wall by screwing through the 2 holes.

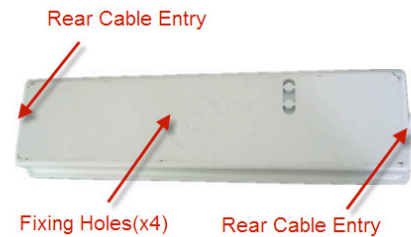


Fig 3

- Connect the cable to the terminal blocks as follow:
- For the GL0804CA versions (see Fig. 4):

**LIVE wire** (Red or Brown) to the terminal marked **L**  
**NEUTRAL wire** (Black or Blue) to the terminal marked **N**  
**EARTH wire** (Green/Yellow) to the terminal marked **E** or  $\oplus$

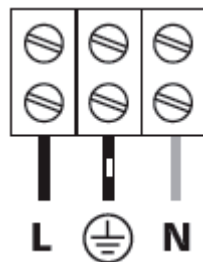


Fig 4

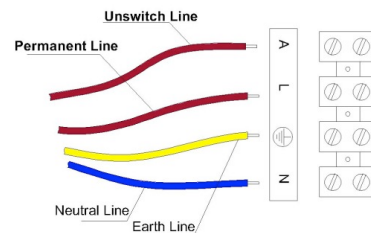


Fig 5

- For the emergency version GL0804EA (see Fig. 5):

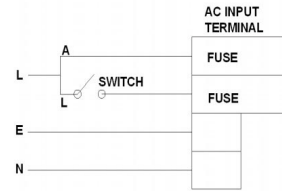
  - 1) If there are **4 wires** from the main supply, including one
  - 2) Emergency Wire, connect the wires in order (see Fig 5):

**Live wire (Permanent Line)** (Red or Brown) to the terminal marked **L**;  
**Neutral wire** (Black or Blue) to the terminal marked **N**;  
**Earth Wire** (Green/Yellow) to the terminal marked **E** or  $\oplus$ .

**Emergency Wire (unswitch wire)** (Red or Brown) to the terminal marked **A**.

(A wire: Live wire for emergency use only. If the supply has no A wire, please adopt L wire instead, but no switch. Check the following Case 2).

- 3) If there are just **3 wires** from the main supply,



**Fig 6**

without Emergency Wire, connect the wires in order (see Fig 6):

**L:** (Red or Brown) **Live wire and Unswitch wire, must be parallel, and the unswitch wire for emergency cannot be switched off;**

**N:** (Black or Blue) **Neutral wire;**

**E:** (Green/Yellow) **Earth Wire.**

- Ensure there are no exposed conductors, loose or trapped cable strand, and re-fit the gear tray.
- Refit the diffuser by screwing in place.
- Now the luminaire is ready for use.

## EMERGENCY VERSION ONLY

• **Emergency function test button**, (see Fig 1) after installation with the mains supply on, push the test button to test emergency function. If the LED brightness is reduced to emergency brightness (30% of full brightness), the function is working.

### • LED Indications:

**Red** indicates the battery is charging;

**Green** indicates the battery is fully charged;

**Yellow** indicates the battery is disconnected or damaged;

## APPLICATIONS:

