

## INSTRUCTION

[ MODEL: GTG8102A-MCA240A2B ]

EDITION: ED2023YA

## INTRODUCTION

**Drive-over in-ground floodlights · STAINLESS STEEL for installation in pre-cored holes**

**Trim Ring:** Heavy gauge, machined stainless steel secured to the inner housing with captive, stainless steel fasteners. Trim is sealed in place using molded, one piece high temperature silicone gasket. Glass is tempered, 0.4" thick machined flush to trim ring.

**Electrical:** 40W LED luminaire, 3 total system watts, -30°C start temperature. Integral DC42V electronic LED driver, DMX512 dimming. LED color temperature is Red, Green, Blue, and White. Inner housing pre-wired with one (1) feet water stopper cable, cable clamp, and waterproof cable gland entry into housing.

**Note:** LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of "GUBO". For the most current technical data, please refer to "GUBO".

**Note:** These luminaires are designed to bear pressure loads up to 3300 lbs. from vehicles with pneumatic tires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction. CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP67.



Basic safety precautions should always be followed: READ AND FOLLOW ALL SAFETY INSTRUCTIONS

Before starting of installation please read this INSTRUCTION carefully and keeps it well.

Should be installed by authorized person.

Do not mount near heaters or hot surfaces.

Should be mounted in locations where it will not be readily subject to tampering by unauthorized personnel.

The use of accessory equipment is not recommended by the manufacturer as it may cause an unsafe condition.

Do not use this equipment for other than its intended purpose.

Servicing of this equipment should be performed by qualified personnel.

If there is any broken, please should not use it.

Proper drainage MUST be provided. Failure to do so may result in over-condensation and void warranty.

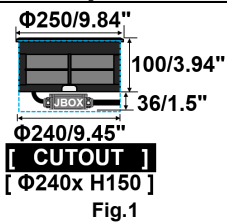
PRODUCT DIMENSION:  
[ UNIT: MM ]

Fig.1

**Tools Required:**  
Small slotted screwdriver  
3mm hex key  
T25 torque driver  
**Weight:** 3.6kgs (7.9 lbs)

IP67, IK10,

## SPECIFICATION SHEET: Specify the item number from the label/mark on the product.

“BL \* \*”: The column 'ITEM' in this chart indicates the beam angle. “BDF” indicates the frosted glass diffuser.

“T”: The column 'T' in this chart indicates the temperature in degrees Celsius which is reached on the center of the glass surface during operation. Surface temperatures are for exterior applications, for interior applications add 10°C to temperatures shown.

“D”: The column 'D' in this chart indicates the dimming type

“C”: The column 'C' in this chart indicates the number of conductor of Flexible Cords.

NO.	ITEM	LED	INPUT	D	T	C
1.	GTG8102A-MCA240A2B-48W-G3000K	40W, 3000K	AC100-277V, 48W	NON	45°C	3C
2.	GTG8102A-MCA240A2B-48W-G4000K	40W, 4000K	AC100-277V, 48W	NON	45°C	3C
3.	GTG8102A-MCA240A2B-48W-G4000K	40W, 4000K	AC100-277V, 48W	NON	45°C	3C
4.	GTG8102A-MCA240A2B-48W-G3000K-CDP	40W, 3000K	DC42V, 48W	PWM	45°C	2C
5.	GTG8102A-MCA240A2B-48W-G4000K-CDP	40W, 4000K	DC42V, 48W	PWM	45°C	2C
7.	GTG8102A-MCA240A2B-48W-RGB-CDP	3C@40W, RGB	DC42V, 48W	PWM	45°C	5C
8.	GTG8102A-MCA240A2B-48W-RGBW-CDP	4C@40W, RGBW	DC42V, 48W	PWM	45°C	5C
9.	GTG8102A-MCA240A2B-48W-RGB-CDX	3C@40W, RGB	DC42V, 48W	DMX512	45°C	5C
10.	GTG8102A-MCA240A2B-48W-RGBW-CDX	4C@40W, RGBW	DC42V, 48W	DMX512	45°C	5C

## Notice to Installer

1. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. FOLLOW ANY SPECIFIC INSTRUCTIONS ON LUMINAIRE LABELS
2. MIN 60°C SUPPLY CONDUCTORS.
3. This luminaires may be damaged if connected to conduit systems containing water - Article 300-5G of National Electric Code requires that "Conduits or raceways through which moisture may contact energized live parts shall be sealed or plugged at either or both ends".
4. A separate wiring box suitable for outdoor locations for power supply must be provided (by others).
5. Proper drainage MUST be provided. Failure to do so may result in over-condensation and void warranty.
6. For proper installation, HOUSING AND FINISHED SURFACE MUST BE INSTALLED SO THAT THE TOP OF THE HOUSING (BOTTOM OF FACEPLATE) SITS FLUSH OR SLIGHTLY ABOVE THE FINISHED SURFACE.
7. For vehicular loads, housing must be anchored to a suitable, load bearing foundation (1-1/2" minimum depth). In all other applications, load bearing foundation should be sufficient to support anticipated load onto fixture.
8. ONLY HAND TOOLS MUST BE USED.

## Installation:

1. Ground Construction requirements: (Fig.2)
  - Provide a minimum thickness 4" Cement ground.
  - Provide at least 6" of material (pea gravel or similar) under fixture and wiring box to prevent build-up of standing water.
2. Cut installation hole and lay power cable. (Fig.2)
  - Note: cutout hole as dimension drawing (minimum opening - 5-7/10"). (Fig.1)
3. Establish location of waterproof wiring box (provide by others). (Fig.2)
4. Make supply wiring and cable connections inside waterproof wiring box:
  - (4.1) INPUT AC100-277V POWER:
    - MAIN VOLTAGE SUPPLY WIRE: BLACK LUMINAIRE WIRE
    - NEUTRAL (COMMON) SUPPLY WIRE: WHITE LUMINAIRE WIRE
    - GREEN GROUND WIRE: GREEN/YELLOW LUMINAIRE WIRE
  - Dimming (if applicable):**
    - DIMMING CONTROL WIRE (+) TO POSITIVE DRIVER DIM CONTROL WIRE
    - DIMMING CONTROL WIRE (-) TO NEGATIVE DRIVER DIM CONTROL WIRE
  - (4.2) INPUT DC42V POWER:
    - POSITIVE DRIVER WIRE (+): RED WIRE
    - NEGATIVE DRIVER WIRE (-): BLACK WIRE
  - (4.3) INPUT DC42V POWER and RGB(+) and RGBW(+):
    - POSITIVE DRIVER WIRE (+): BLACK.
    - RED LED WIRE (-): BROWN WIRE.
    - GREEN LED WIRE (-): GREEN/YELLOW WIRE.
    - BLUE LED WIRE (-): BLUE WIRE.
    - WHITE LED WIRE (-): PURPLE WIRE or WHITE WIRE.
5. Separate the pre-set. Loose two cross screws and remove the pre-set. (Fig.3)
6. Install the pre-set. (Fig.4)
  - The pre-set need be lower 2~3mm than ground surface.
  - Using building structure glue to fix the pre-set.
7. Connect the cables of luminaire to waterproof wiring box. (Fig.5)
8. Install the luminaire to the pre-set. Tighten two cross screws to secure the luminaire firmly. The top edge of housing must be flush with (or slightly above) finished surface.

## Break-Out Section

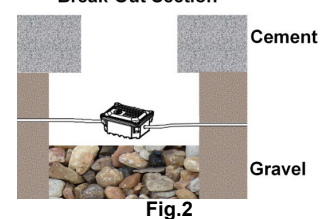


Fig.2

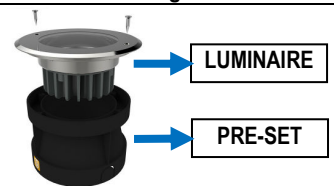


Fig.3

## Break-Out Section

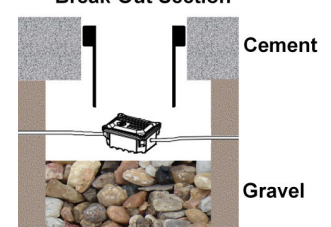


Fig.4

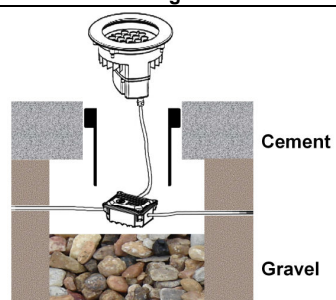


Fig.5