

INTRODUCTION

Housing: Die-casted Aluminum Housing, Tempered Glass Diffuser.

Electrical: Pre-wired with 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".

Location: CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP67.



- 1) Basic safety precautions should always be followed: **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
- 2) 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.
- 3) FOLLOW ANY SPECIFIC INSTRUCTIONS ON LUMINAIRE LABELS.
- 4) Before starting of installation please read this INSTRUCTION carefully and keeps it well.
- 5) Do not mount near heaters or hot surfaces.
- 6) Should be mounted in locations where it will not be readily subject to tampering by unauthorized personnel.
- 7) The use of accessory equipment is not recommended by the manufacturer as it may cause an unsafe condition.
- 8) Do not use this equipment for other than its intended purpose.
- 9) If there is any broken, please should not use it.
- 10) **WARNING:** LEDs are high quality electrical components. Please avoid touching them directly during installation.

Tools Required:

Screwdriver
Drilling Machine
Hex Key
Wrench

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

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

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

"PC": The column 'PC' in this chart indicates the number of conductor of Flexible Cords.

"(S)" in Column "PC": Dimming Signal Cords.

IP67
IK08



NO.	ITEM	LED	INPUT	D	T	PC
1.	GTE6602A-MCA-12W-3000K-CDP	9W, 3000K	DC24V, Max 14W	PWM	61°C	2C
2.	GTE6602A-MCA-12W-TW-CDP	3C@9W, TW	DC24V, Max 14W	PWM	61°C	3C
3.	GTE6602A-MCA-12W-RGB-CDP	4C@9W, RGBW	DC24V, Max 14W	PWM	61°C	4C
4.	GTE6602A-MCA-12W-RGBW-CDP	4C@9W, RGBW	DC24V, Max 14W	PWM	61°C	5C
5.	GTE6602A-MCA-12W-RGBTW-CDP	5C@9W, RGBTW	DC24V, Max 14W	PWM	61°C	6C
6.	GTE6602A-MCA-12W-3000K-CDX	9W, 3000K	DC24V, Max 15W	DMX512	63°C	2C+3S
7.	GTE6602A-MCA-12W-TW-CDX	3C@9W, TW	DC24V, Max 15W	DMX512	63°C	2C+3S
8.	GTE6602A-MCA-12W-RGBTW-CDX	5C@9W, RGBTW	DC24V, Max 15W	DMX512	63°C	2C+3S
9.	GTE6602A-MCA-12W-RGBW-CDX	4C@9W, RGBW	DC24V, Max 15W	DMX512	63°C	2C+3S
10.	GTE6602A-MCA-12W-RGBTW-CDX	5C@9W, RGBTW	DC24V, Max 15W	DMX512	63°C	2C+3S

Construction:

C1. Put the power cable at the installation position.

(C1.1) 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".

(C1.2) MIN 60°C SUPPLY CONDUCTORS.

C2. Connect the power cables to JBOX. (Fig5)

NOTE1: Follow the signs to identify the wires on the luminaire.

NOTE2: Make power cable connections inside MIN IP65 waterproof JBOX (supplied by others). (Fig6)

(C2.1) INPUT DC24V POWER for Single Color LED: (Fig2)

"Voltage" Positive Wire (V+): RED Wire

"Voltage" Negative Wire (V-): BLACK Wire

(C2.2) INPUT DC24V POWER for TW Color LED: (Fig2)

"Voltage" Positive Wire (V+): RED Wire

"Warm White LED" Negative (WW-): YELLOW Wire

"Cool White LED" Negative (CW-): WHITE Wire

(C2.3) INPUT DC24V POWER for RGB(+) and RGBW(+) and RGBTW: (Fig2)

"Voltage" Positive Wire (V+): BLACK Wire

"Red LED" Negative Wire (R-): RED Wire

"Green LED" Negative Wire (G-): GREEN Wire

"Blue LED" Negative Wire (B-): BLUE Wire

"Warm White LED" Negative (WW-): YELLOW Wire

"Cool White LED" Negative (CW-): WHITE Wire

(C2.4) INPUT DC24V POWER and DMX512 Signal: (Fig2)

"Voltage" Positive Wire (V+): BROWN WIRE or RED WIRE

"Voltage" Negative Wire (V-): BLUE WIRE or BLACK WIRE

DMX512 Dimming Signal:

"Dimming" Control Signal Positive Wire (D+): PURPLE WIRE

"Dimming" Control Signal Negative Wire (D-): BLACK WIRE

"Dimming" Control Signal Grounding Wire (G): YELLOW/GREEN WIRE

[FFS] Fixed on Solid Surface by Expansion Bolts.

(FFS1) Drill two Ø8x75mm holes at the mounting place according the drawing (Fig1).

(FFS2) Insert M6x80mm expansion bolt into the drilling holes. (Fig1 or Fig2).

(FFS3) Fix the Fixing Bracket on the backside of led module. (Fig3)

Notes1: This fixing bracket can be splicing for two modules. (Fig3)

Notes2: For splicing of two modules, need to fix the screws at front too. (Fig4)

Notes3: For splicing of two modules, need to connect the connectors. (Fig6)

(FFS4) Connect the power cable into the JBOX. (Fig7) (Refereed to **C2**)

(FFS5) Fix LED modules onto the expansion bolts by fixing brackets. (Fig1 or Fig2)

[FBS] Fixed by Spike.

(FBS1) Construction: Provide a minimum thickness 10" lawn ground.

Notes: The standard spike length is L256mm which can chose others. (Fig.6)

(FBS2) Insert Spike into the lawn ground. (Fig8)

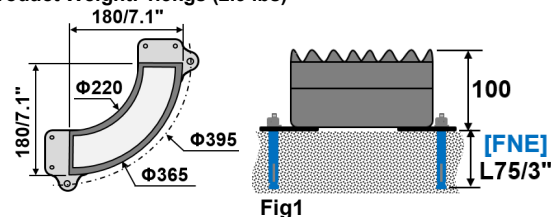
(FBS3) same way referred to (FFS3).

(FBS4) Connect the power cable into the JBOX. (Fig7) (Refereed to **C2**)

(FBS5) Fix LED Modules on the spike by M6 Nut. (Fig8)

DIMENSION for Single LED Module: [UNIT: MM]

Product Weight: 1.3kgs (2.9 lbs)



DIMENSION for Four LED Modules: [UNIT: MM]

Product Weight: 5.2kgs (11.5 lbs)

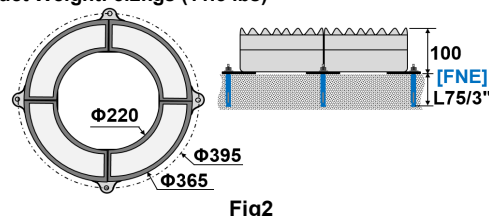


Fig3



Fig4



Fig5

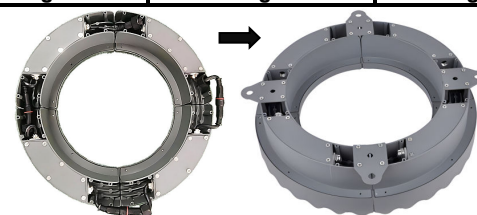


Fig6



Fig7

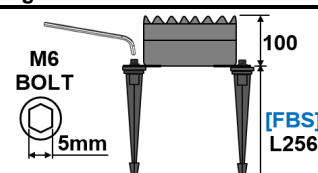


Fig8