

## Explosion Proof G Series

### LED Low Bay and Spot Light



### Materials

- ★ Housing: Copper free aluminum
- ★ Diffuser: Tempered glass
- ★ Bolts: Stainless steel
- ★ Mounting Bracket: Stainless steel

### Basic Data

| Product number | Wattage | CCT        | Voltage Options                     | Lumens | Warranty | CRI | Emergency Time(Optional) |
|----------------|---------|------------|-------------------------------------|--------|----------|-----|--------------------------|
| EX-10W GYZDA   | 10      | 2200-7000K | AC 100-277V(by driver)<br>DC 12-48V | 1400   | 5 years  | 80  | 3 hours                  |
| EX-20W GYZDA   | 20      |            |                                     | 2800   |          |     |                          |
| EX-30W GYZDA   | 30      |            |                                     | 4200   |          |     |                          |
| EX-40W GYZDA   | 40      |            |                                     | 5600   |          |     |                          |
| EX-50W GYZDA   | 50      |            |                                     | 7000   |          |     |                          |

"G"=Product code. "Y"=D or N:Dimmable or non-dimmable "Z"=CCT, from 2200-7000K. "D"=Beam angle, D40 for 40°, D60 for 60°, D90 for 90°, D120 for 120°.

### Explosion Protection

|                                   |                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Marking UL844<br>(North American) | Class I, Division 1, Groups C, D<br>Class I, Division 2, Groups A, B, C, D<br>Class II, Division 1, Groups E, F, G<br>Class II, Division 2, Groups F, G<br>Class III |
| Marine Marking                    | UL1598, UL1598A<br>ABS                                                                                                                                               |
| Other Rating                      | IP 66<br>IK 10                                                                                                                                                       |

### Applications

#### Oil and Gas industry

- ★ All petroleum production and refining
- ★ Petroleum loading and transportation
- ★ Petroleum storage and retail
- ★ LNG industry
- ★ All mining operations and service

#### Chemical industry

- ★ All types of painting facilities
- ★ Chemical production and storage

#### Ocean, marine and aerospace field

- ★ Ocean platform operation facilities and structure
- ★ Aerospace clean room and production
- ★ Ocean vessel operations

#### Metal treatment

- ★ Steel and aluminum factories
- ★ Pumping stations in any environment
- ★ Metal smelting, foundry and manufacturing

#### Food and alcohol industry

- ★ Flour and fine particle production and storage
- ★ Food and distilling production
- ★ Alcohol industry

#### Other high humidity, dust, high temperature,vapor location

## Key Features

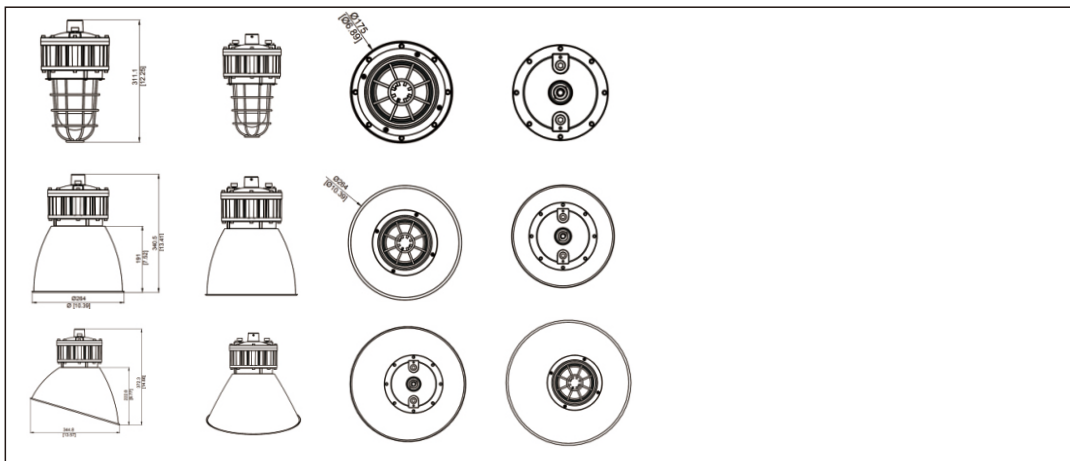
- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- Three connection cable entry points.
- Replaceable LED board and drivers.
- Integrated junction box for driver with emergency back up.
- Dimmable and battery back up function available.
- Marine rating powder coated appearance treatment.

## Value-Added Features

- 10kv surge protection.
- Up to ten years limited warranty option.
- Emergency Battery back up(Optional).
- Various installation ways for different applications.
- Glass lens or Glass with polycarbonate lens to make wider beam angle.
- Customized motion sensor(Optional).
- Advanced smart system: WIFI & BLUE-TOOTH(Optional).
- Working Temperature:  $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$ .

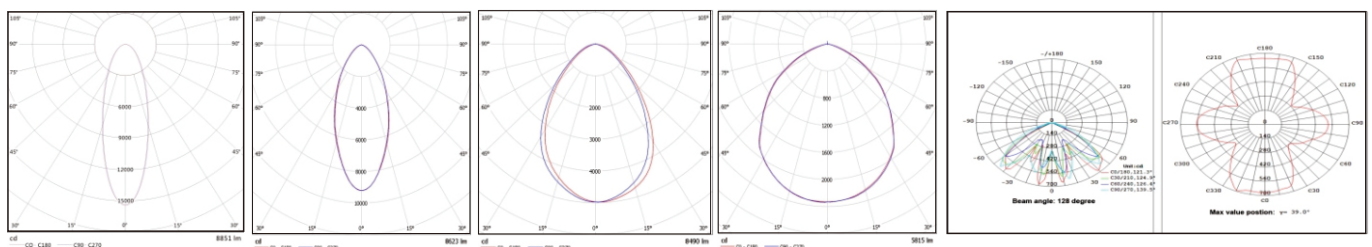
## Mechanical Structure

Unit: mm or inch

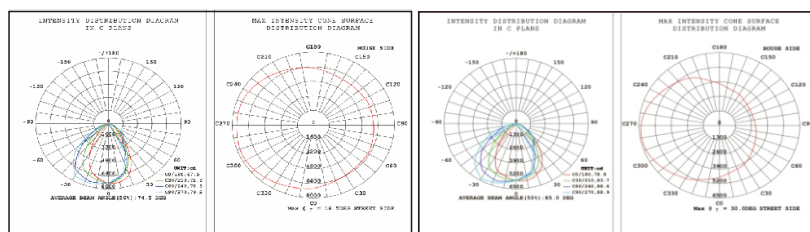


This structure type with bracket, flat glass and optical lens to generate  $40^{\circ}$ ,  $60^{\circ}$ ,  $90^{\circ}$  and  $120^{\circ}$  light distribution.

## Lighting Distribution



Spherical Glass Lens



Spherical Glass Lens with Lampshade

Spherical Glass Lens with Cutted Lampshade