



IP68 protected stainless steel luminaire with CREE LED mixed-colour output, engineered for fountains, pools and water features.



**SUS316 Stainless Steel**  
Housing Material



**IP68**  
IP Rating



**IK10**  
IK Rating



**DALI**  
Control Method



**2200-6500K**  
White CCT Range



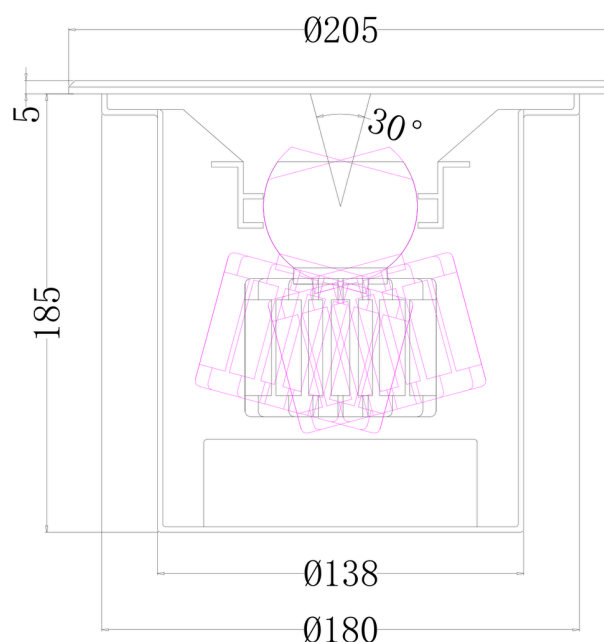
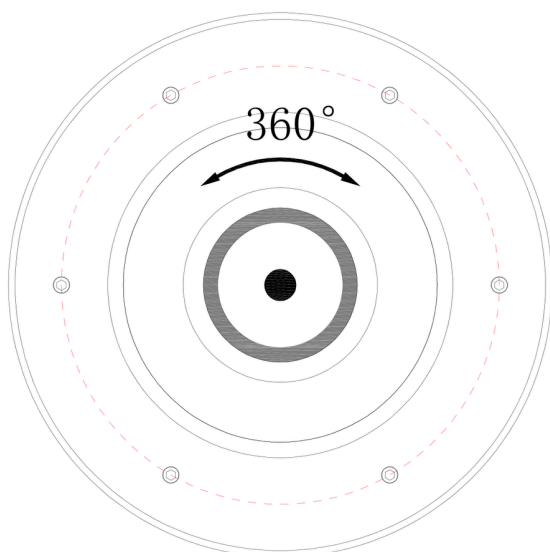
**Class I**  
Safety Class



**Max.15W**  
Max Power

## DIMENSIONS

UNIT : MM



**TECHNICAL DATA**

LX-BG84786

## LX-BG84786 | Underwater Light

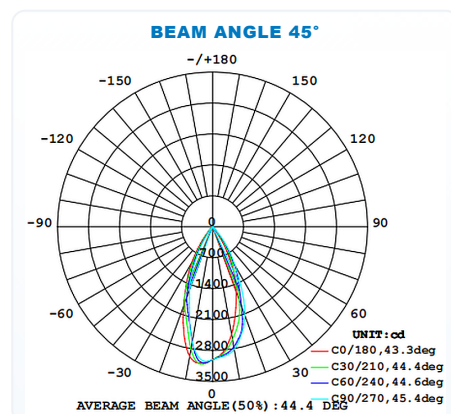
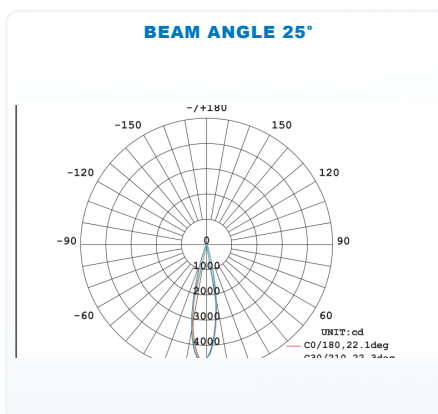
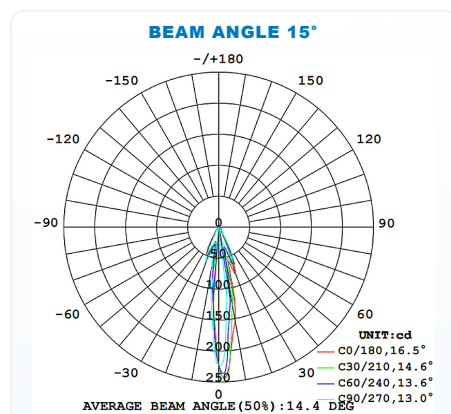
Technical specification for illuminating small or medium fountains, pools and water features.

**IP68**  
PROTECTION

| ELECTRICAL   | ELECTRICAL PARAMETERS               |                                                                          |
|--------------|-------------------------------------|--------------------------------------------------------------------------|
|              | Typical Power   Power Consumption   | Max.15W                                                                  |
|              | Input   Current                     | AC220V                                                                   |
|              | Control Method   Control            | DALI                                                                     |
|              | Cable Order   Wiring                | 1 IN                                                                     |
|              | Security Level   Class              | Class I                                                                  |
| LIGHT SOURCE | LED LIGHT SOURCE PARAMETERS         |                                                                          |
|              | LED Chip Brand   Brand              | CREE                                                                     |
|              | LED Chip Type   Type                | CXA1512                                                                  |
|              | LED Quantity   Qty                  | 1 PCS                                                                    |
|              | Colour (CCT)   Colour               | 2200K-6500K                                                              |
|              | CRI   Rendering                     | Ra ≥ 80                                                                  |
|              | Typical Light Efficiency   Efficacy | >55 lm/W (3000K) · >65 lm/W (4000K) · >90 lm/W (6500K) · >45 lm/W (RGBW) |
|              | Lifetime   Life                     | 50,000 H                                                                 |
| STRUCTURE    | STRUCTURAL PARAMETERS               |                                                                          |
|              | Material   Housing                  | SUS#316                                                                  |
|              | Cover   Glass                       | Super-transparency tempered glass, T = 10 mm                             |
|              | Beam Angle   Angle                  | 15° / 25° / 45°                                                          |
|              | Product Dimensions   Size           | Refer to the dimension                                                   |
|              | Weight   Mass                       | 3.4KG                                                                    |
| ENVIRONMENT  | ENVIRONMENTAL PARAMETERS            |                                                                          |
|              | Working Temperature   Temp          | -25°C ~ +45°C                                                            |
|              | Storage Humidity   Humidity         | 0 ~ 90%                                                                  |
|              | IP Code   IP                        | IP68                                                                     |
|              | IK Code   IK                        | IK10                                                                     |

### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Beam 15° / 25° / 45°



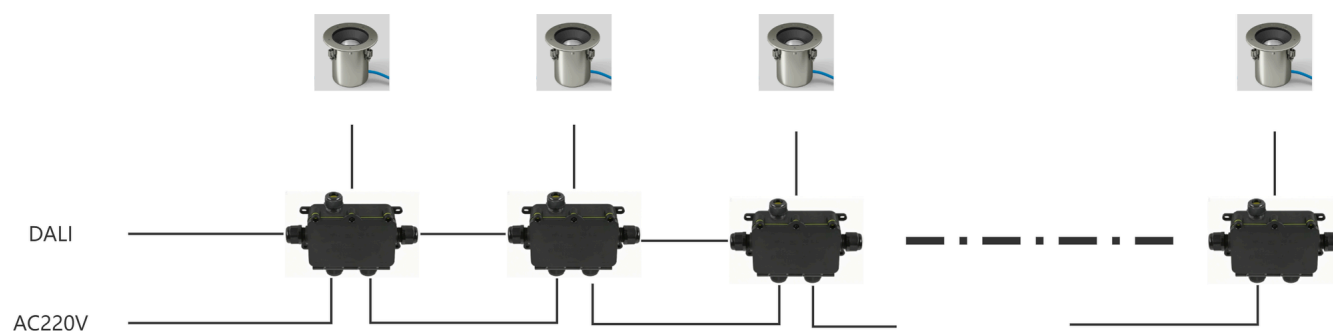
**SYSTEM DIAGRAM**

**WIRING TOPOLOGY**

**ON / OFF**



**DALI**



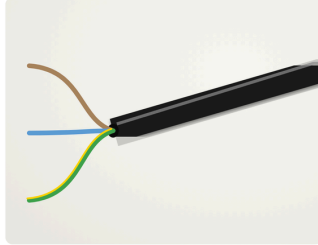
## WIRE COLOUR DEFINITION

LX-BG84786

### WIRING COLOUR / DESIGNATION REFERENCE

#### Non-Dimmable Line Voltage 220 to 240 Vac - International

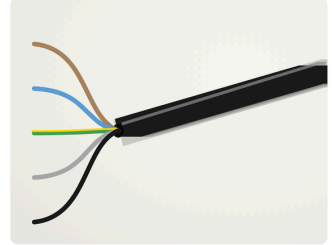
| DESIGNATION  | COLOR         |
|--------------|---------------|
| Line         | Brown         |
| Neutral      | Blue          |
| Ground/Earth | Green/ Yellow |



### WIRING COLOUR / DESIGNATION REFERENCE

#### DALI Line Voltage 220 to 240 Vac - International

| DESIGNATION  | COLOR         |
|--------------|---------------|
| Line         | Brown         |
| Neutral      | Blue          |
| Ground/Earth | Green/ Yellow |
| DALI+        | Grey          |
| DALI-        | Black         |



## CABLE ORDER

**1 IN (one in)** — AC 220 V power and control enter through a single cable entry.

Colour code follows the factory wiring; the DALI control pair must stay matched across the whole run.

## WIRING NOTES

## INSTALLATION

### OBSERVE THE FOLLOWING CONDITIONS WHEN INSTALLING THE LUMINAIRE

- Determine the number of luminaires per circuit according to the calculated circuit load and the maximum allowable voltage drop.
- Signal circuit sizing is governed by the signal type (e.g. DMX512 / 0–10 V / DALI).
- For outdoor water features and swimming pools, the installation must be watertight to at least IP68.
- Power circuit sizing is governed by the total load and voltage drop.
- DMX512 supports a maximum of 512 addresses per bus.