



Special lighting fixtures for buildings, tunnels, bridges, gardens, squares, etc.

**IP67**

IP Rating



IK Rating



Water Depth


 SURFACE MOUNTED  
Mounting Method

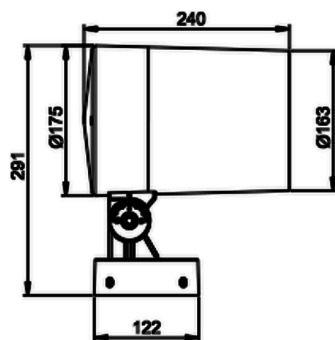
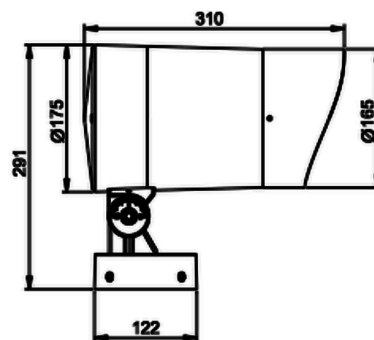
 Class III  
Safety Class


Certification Mark


 RoHS  
Environmental Mark

 RECYCLABLE  
Recyclable Mark

## DIMENSIONS



Unit:mm

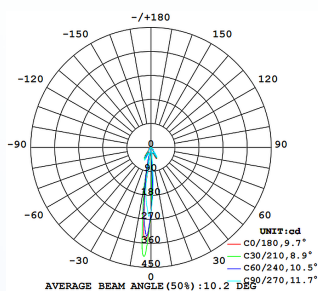
**TECHNICAL DATA**
**TG004F**

| ELECTRICAL   | ELECTRICAL PARAMETERS               |                                    |
|--------------|-------------------------------------|------------------------------------|
|              | Typical Power   Power Consumption   | 72 W / 80 W @RGBW                  |
|              | Input   Current                     | AC90~265V                          |
|              | Control Method   Control            | ON OFF/DMX512 / DALI / 0-10V       |
|              | Cable Order   Wiring                | 1 in (one in)                      |
|              | Security Level   Class              | Class III                          |
| LIGHT SOURCE | LED LIGHT SOURCE PARAMETERS         |                                    |
|              | LED Chip Brand   Brand              | CREE/TX                            |
|              | LED Chip Type   Type                | COB/RJ5050 / TX3535                |
|              | LED Quantity   Qty                  | 1PCS /24 PCS                       |
|              | Colour (CCT)   Colour               | 2200K/2700K/3000K/4000K/6500K/RGBW |
|              | CRI   Rendering                     | Ra ≥ 70/Ra ≥ 80/Ra ≥ 90            |
|              | Typical Light Efficiency   Efficacy | >80 lm/W (3000K) · >30 lm/W (RGBW) |
|              | Lifetime   Life                     | 50,000 H                           |
| STRUCTURE    | STRUCTURAL PARAMETERS               |                                    |
|              | Material   Housing                  | Aluminum                           |
|              | Cover   Glass                       | PMMA, T = 5 mm                     |
|              | Beam Angle   Angle                  | 10°/20°/30°/60°                    |
|              | Product Dimensions   Size           | See DIMENSIONS drawing             |
|              | Weight   Mass                       | 4.2 kg                             |
| ENVIRONMENT  | ENVIRONMENTAL PARAMETERS            |                                    |
|              | Working Temperature   Temp          | -25°C ~ +45°C                      |
|              | Storage Humidity   Humidity         | 0 ~ 90%                            |
|              | IP Code   IP                        | IP67                               |
|              | IK Code   IK                        | IK08                               |

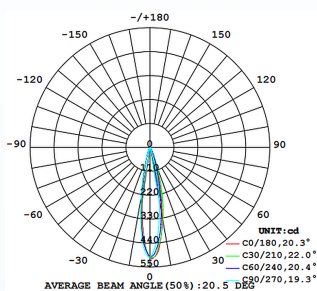
**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

Beam 10° / 20° / 30° / 60°

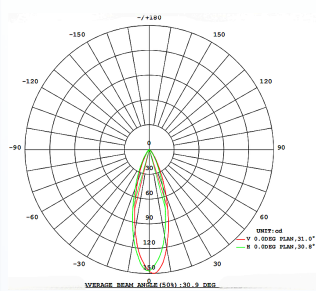
BEAM ANGLE 10°



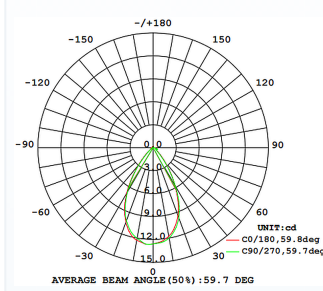
BEAM ANGLE 20°



BEAM ANGLE 30°



BEAM ANGLE 60°



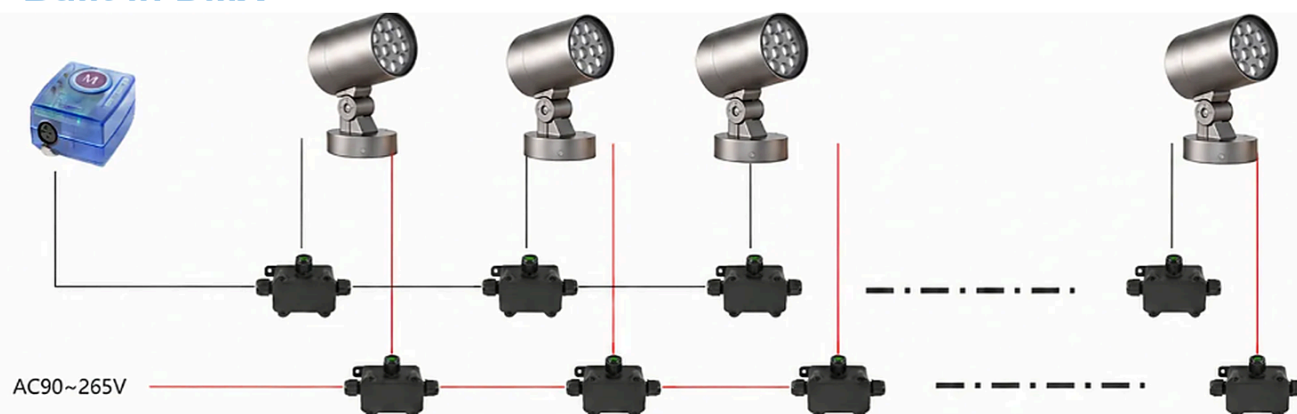
**SYSTEM DIAGRAM**

**WIRING TOPOLOGY**

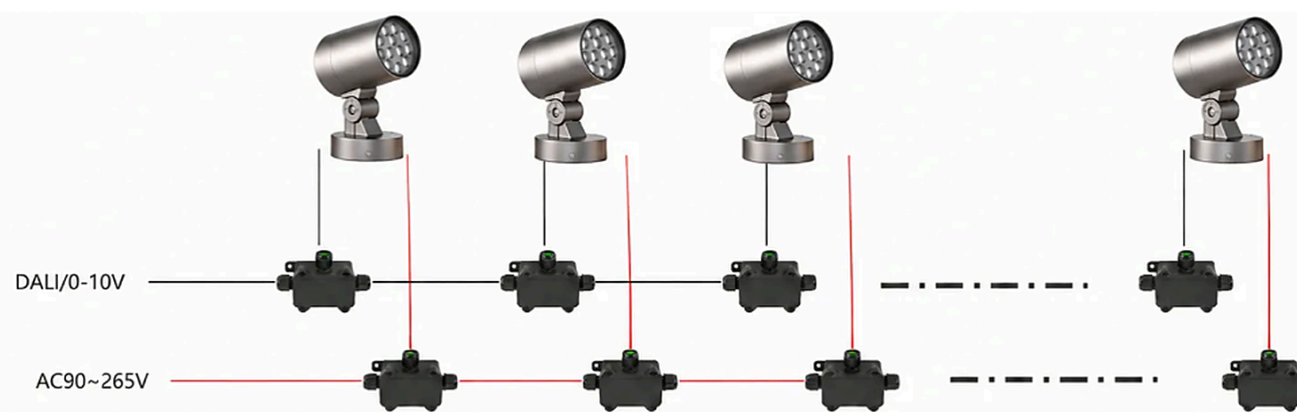
**ON/OFF**



**Built-in DMX**



**DALI 0-10V**



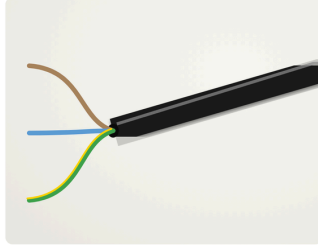
## WIRE COLOUR DEFINITION

TG004F

### WIRING COLOUR / DESIGNATION REFERENCE

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

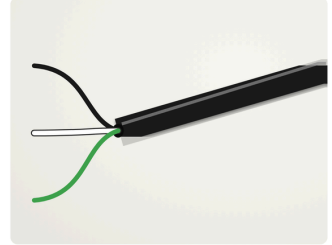
| DESIGNATION  | COLOR         |
|--------------|---------------|
| Line         | Brown         |
| Neutral      | Blue          |
| Ground/Earth | Green/ Yellow |



### WIRING COLOUR / DESIGNATION REFERENCE

#### Non-Dimmable Line Voltage 120/277 Vac - North America

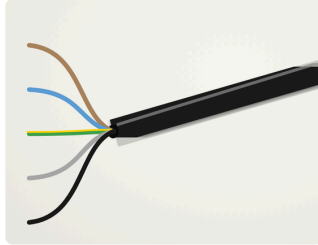
| DESIGNATION  | COLOR |
|--------------|-------|
| Line         | Black |
| Neutral      | White |
| Ground/Earth | Green |



### WIRING COLOUR / DESIGNATION REFERENCE

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

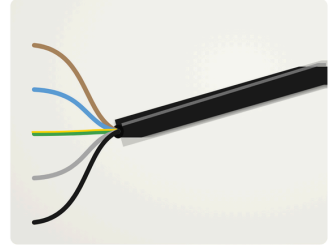
| DESIGNATION  | COLOR         |
|--------------|---------------|
| Line         | Brown         |
| Neutral      | Blue          |
| Ground/Earth | Green/ Yellow |
| DALI+        | Grey          |
| DALI-        | Black         |



### WIRING COLOUR / DESIGNATION REFERENCE

#### 0-10 V Line Voltage 220 to 240 Vac - International

| DESIGNATION  | COLOR         |
|--------------|---------------|
| Line         | Brown         |
| Neutral      | Blue          |
| Ground/Earth | Green/ Yellow |
| 0-10V+       | Grey          |
| 0-10V-       | Black         |



## INSTALLATION & USAGE NOTES

## PRECAUTIONS

### OBSERVE THE FOLLOWING PRECAUTIONS WHEN INSTALLING AND OPERATING THE LUMINAIRE

- Installation and wiring must be carried out by a qualified electrician in accordance with local electrical codes and these instructions.
- Operate the luminaire only on the rated low-voltage DC supply (see Technical Parameters); never connect it directly to mains voltage.
- Do not energise the luminaire out of water for extended periods — dry operation may cause overheating and shorten LED life.
- Inspect cables, seals and glands periodically; damaged sheaths or ageing seals must be replaced immediately by qualified personnel.
- Always isolate the power supply before installation, maintenance or lamp replacement; verify the circuit is de-energised before touching any connector.
- All cable entries, glands and junction boxes must be properly sealed to keep the IP68 rating; use only the supplied or approved waterproof connectors.
- Maintain pool / water-feature water chemistry (pH and chlorine levels) within normal ranges to preserve the SUS316 stainless-steel housing and trims.
- Use only genuine LESAN replacement parts; any unauthorised modification voids the warranty.