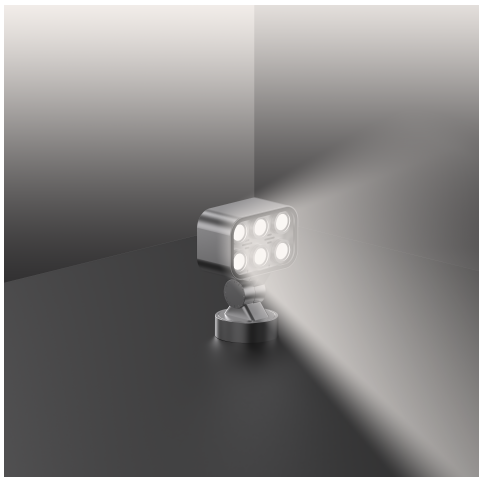


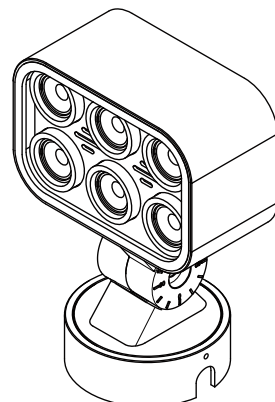
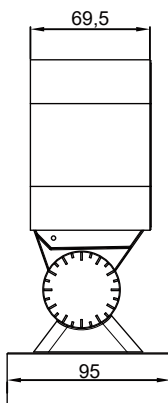
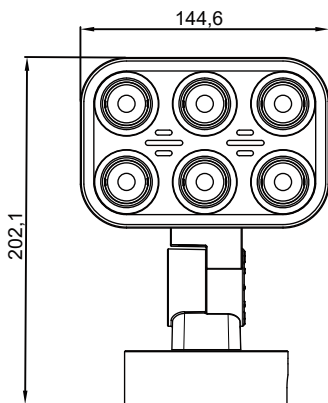
# LED FLOOD LIGHT INSTALLATION AND OPERATION MANUAL



## Lighting Effect Display



## Product Dimensions

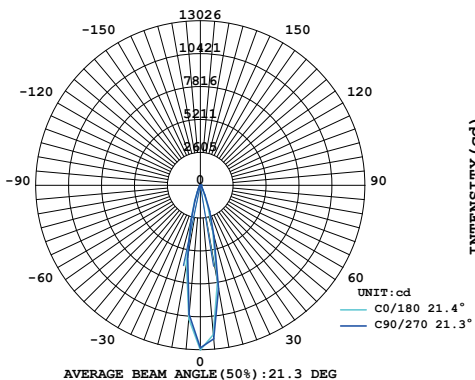


| Light Fitting Specification | RAYTRON-A                                               |
|-----------------------------|---------------------------------------------------------|
| Light Dimension             | 144.6*69.5*202.1MM                                      |
| Light Source Power          | 30W                                                     |
| CCT                         | 2700-6500K/RGB/RGBW                                     |
| CRI                         | > 80                                                    |
| IP Rating                   | IP66                                                    |
| Beam                        | 15/24/36/50°, 10/30/45/60°                              |
| Materials                   | Aluminum Die-casting Housing with Tempered Safety Glass |
| Finishes                    | Aluminum/Black/Optional RAL color                       |

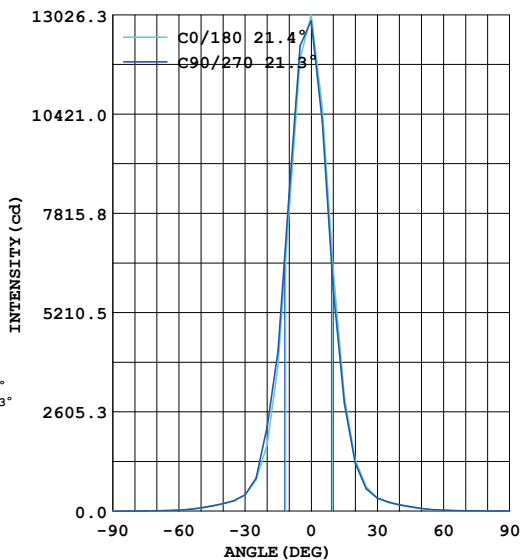


## IES

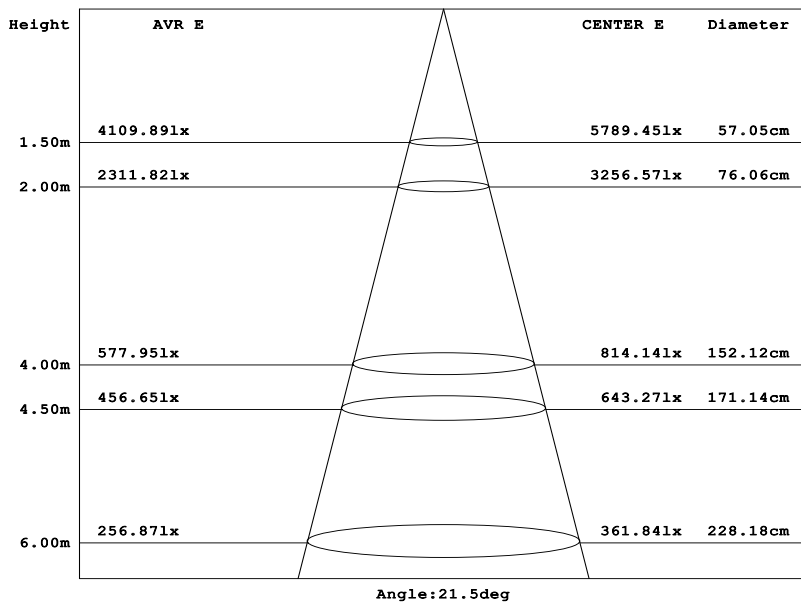
### LUMINOUS INTENSITY DISTRIBUTION



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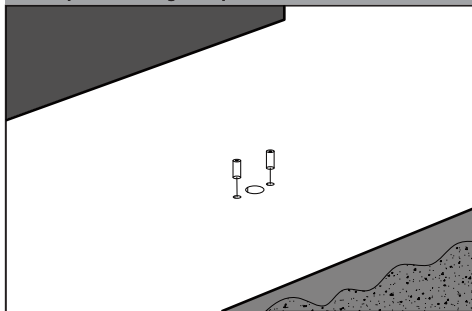


### AEVERAGE AND CENTER E Figure

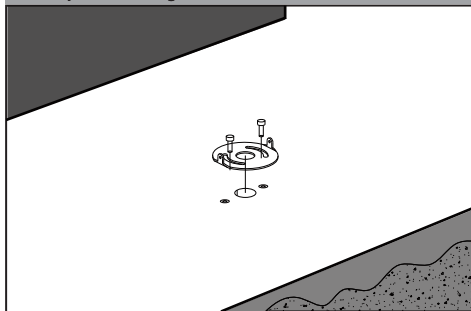


## Installation Instructions

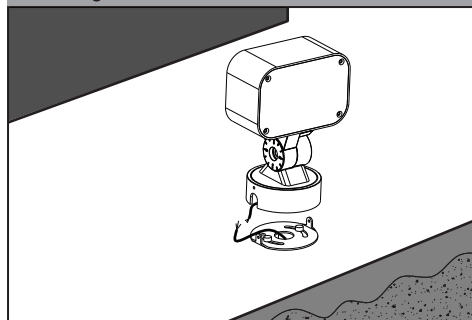
### 1. Expansion Plugs Preparation



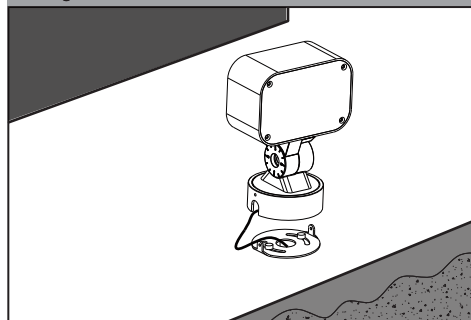
### 2. Expansion Plugs fixation



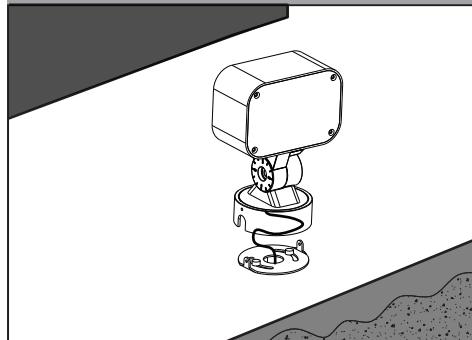
### 3. Wiring connection



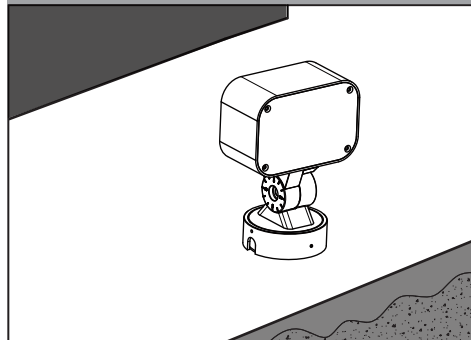
### 4. Tightness confirmation



### 5. Bracket Installation



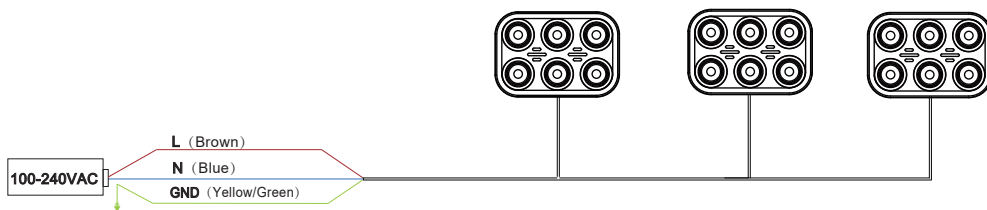
### 6. Installation Done



## Power Supply and Electrical Installation(AC)

### Mono-color Wiring Diagram (220V):

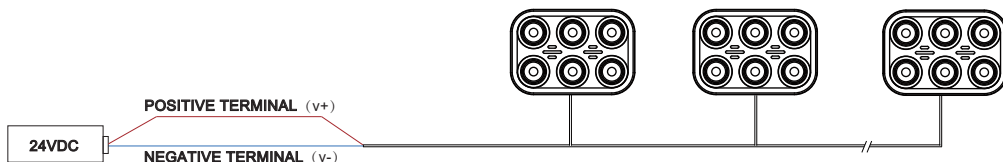
In this setup, the light is plug-and-play, ready for use with direct mains power connection. No additional control is required as it is a constant-on setup.



## Power Supply and Electrical Installation(DC)

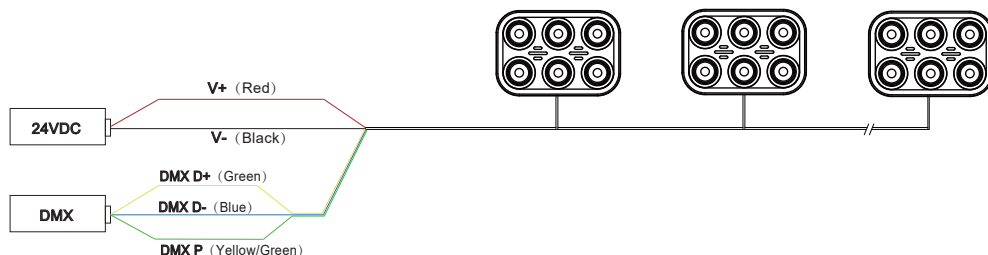
### Mono-color Wiring Diagram (24V/DC):

In this setup, the light connects directly to the power supply. The power of a CC circuit is not more than 80% of the power supply. No additional control is required as it is a constant-on setup.



### DMX512 Wiring Diagram (24V/DC):

This connects the wiring to the light fixture as described. The signal cable (3 wires for DMX, P(coding), DMX+, DMX-) is connected from the controller's output to the fixture's DMX input (IN) port. Multiple lights can be daisy-chained by connecting the DMX OUT one fixture to the DMX IN of the next. Terminate the last fixture in the chain with a DMX terminator (120 ohms) to avoid signal reflection.



## WARNINGS AND REMARKS FOR INSTALLATION AND MAINTENANCE

### Safety Instructions

To reduce risks of death, injury or property damage from fire, electric shock, falling parts, cuts, abrasions and other hazards, please read all warnings and instructions provided with the luminaire (including packaging and fixture labels).

The light source may only be replaced by the manufacturer, its service agent, or a similarly qualified professional.

Always power off before replacement to avoid electric shock.

The manufacturer accepts no liability for damage caused by improper use or installation.

### Installation

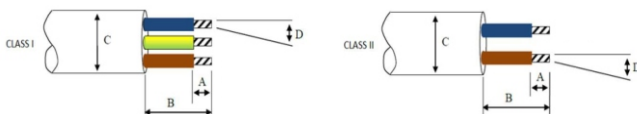
Use high-quality components only. Avoid touching the LED light opening during installation or relamping.

### IMPORTANT

To ensure secure operation, the luminaire housing must be positioned precisely in relation to the mounting plate.

### Cleaning And Maintenance

Clean the luminaire regularly with a clean, lint-free cleaners from dirt. Please do not clean the luminaire with using high-pressure liquids.



|   | Cable Details                               |
|---|---------------------------------------------|
| A | 6÷7 mm                                      |
| A | < 25 mm                                     |
| C | PG11: 5÷10 mm<br>PG13,5: 6÷12 mm (for DALI) |
| D | ≤ 2.5 mmq                                   |

### ATTENTIONS

Do not disassemble any parts.

Ground wire must be grounded (impedance <10Ω).

Wire must strictly per instructions to avoid failure/debug issues.

Do not pull exposed wires (risk of poor contact).

Store at ≤70 °C 10%-85% humidity. Use at -20 °C ~+40 °C.

Installation/maintenance by professionals only.

### WARNING

Confirm lamp parameters before installation.

Use correct wire diameter and series/parallel connection to avoid overheating from excessive current.

Optical radiation complies with IEC62471-2006 "exempt level".

Install/use strictly per instructions; do not modify lamp structure or internal parts.

Protect wires from sharp edges to avoid damage/wear.

Only electrical personnel should install the luminaire configuration device.

Check insulation of wires/components after installation.

Do not use in severely corrosive, water-submerged environments (e.g., acids/alkalis) or cover with thermal insulation pads.

Cut off power before installation to prevent electric shock.

Ensure voltage is within rated range.