# BANA

Linear Inground Wallwasher

IP67 IK09



## Product Description

The BANA Wallwasher comes with multiple wattage options of 30W, 36W, 40W, and 48W, delivering a warm color temperature of 3000K. Built with a durable black extruded aluminum 6063 body and stainless steel hardware, it offers a robust IP67 protection rating and an IK09 impact resistance. The luminaire operates on DC24V power, includes DMX and DALI dimmable options, and provides customizable beam angles of 8, 15, 30, or 45 degrees. With a rated life of 30,000 hours and high-grade clear or frosted tempered glass, it maintains reliable performance in temperatures ranging from -20°C to 50°C. Designed for flexibility, this fixture is suitable for commercial buildings, residential villas, office complexes, and landscape parks.

## Lamp

| | |
|---|---|
| Light Source | : LED |
| CRI | : >80 |
| Rated Life | : 30,000 HRs |
| Wattage | : 30W I 36W I 40W I 48W |
| Beam Angle | : $8^0$I$15^0$I**$30^0$**I$45^0$ |
| CCT | : 2700K I 3000K I 4000K |

## Body

| | |
|---|---|
| Color | : Black |
| Housing Material | : Extruded Aluminium 6063 |
| Lens Material | : Clear or frosted tempered Glass |
| Hardware Material | : Stainless steel |
| Gasket Material | : Silicone |
| Surface Finish | : Anodized Oxidation |

| | |
|---|---|
| Length | : 300mm I 500mm I 1000mm |
| Width | : 53 mm |
| Height | : 112 mm |

## Electric

| | |
|---|---|
| Voltage | : DC24V |
| Luminaire Efficacy | : 80-85 lm/W |

## Other

| | |
|---|---|
| Protection | : IP67 |
| IK rating | : IK09 |
| Dimmable Option | : DMX DALI |
| Operating Temperature | : -$20^0$ C to $50^0$ C |

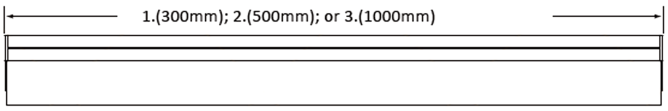
Commercial Buildings | Residential / Villa | Offices / Complex | Landscape / Park

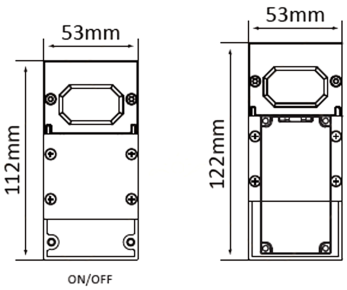
# BANA

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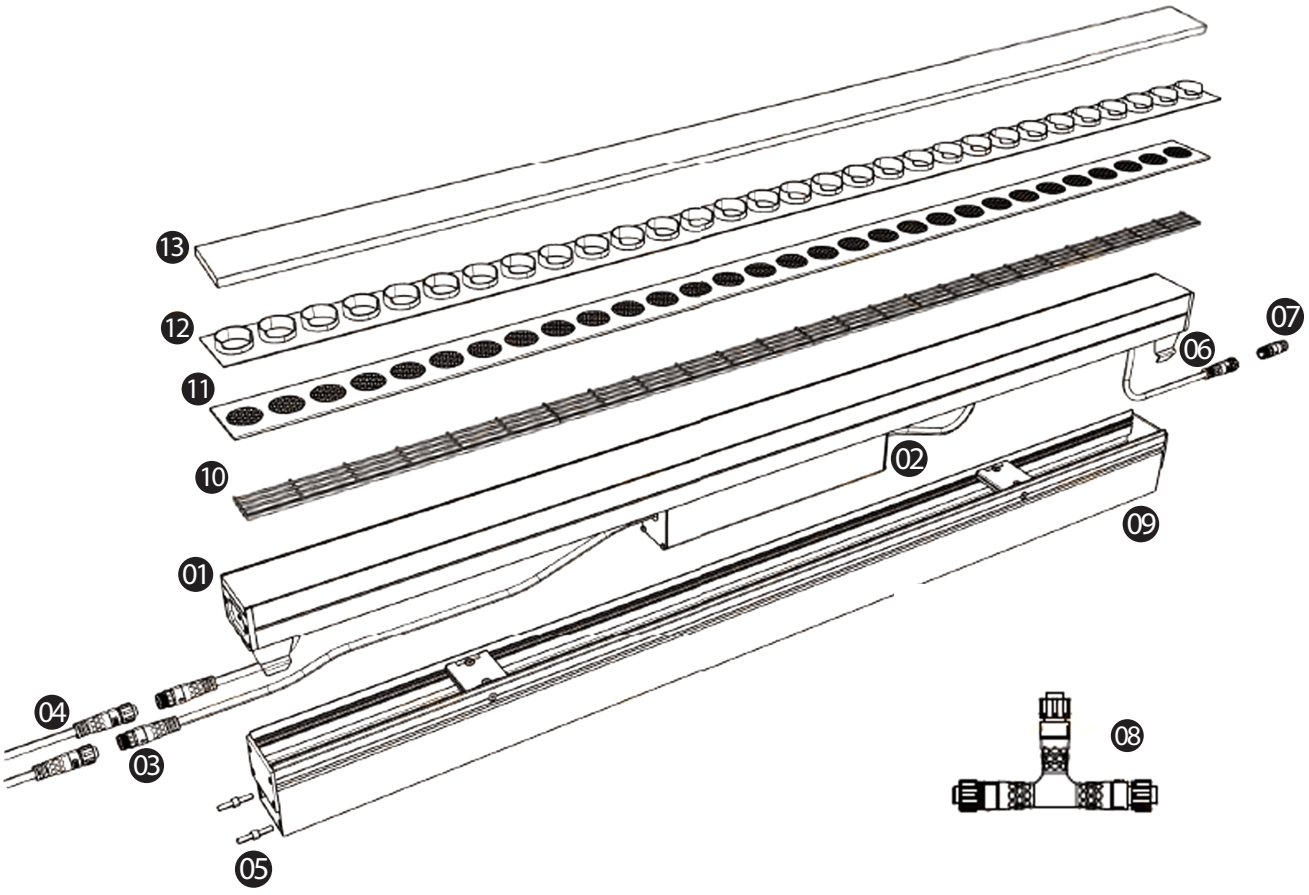
## DIMENSIONS

| | |
|---|---|
| Width | 53mm |
| Height | 112mm |



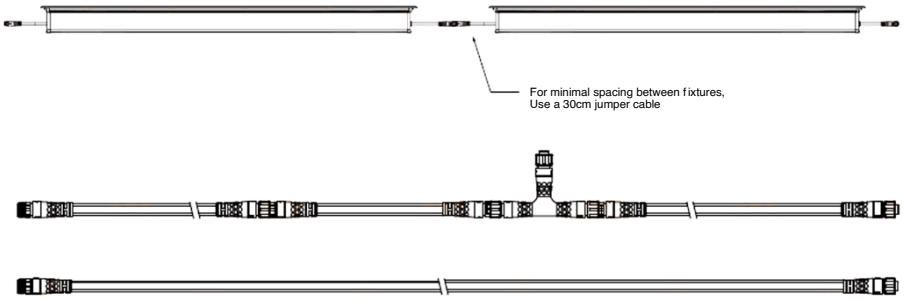




## ACCESORIES




01 Light Body
02 Power
03 Joiner
04 Cables
05 Sleeve Connector
06 Spring Clip
07 Cap Terminal
08 T- Connector
09 Pre embedded sleeve
10 Grill antiglare louvre
11 Honeycomb Louver
12 Antiglare Optical lens
13 Glass

## CABLES & JOINER




LENGTH: 50cm to 100cm (available in 50cm increments) or 100cm;

CABLE COLOR: black or white (connectors are the same color as the specified cable color).
Suitable for dimming/data and non-dimming applications.

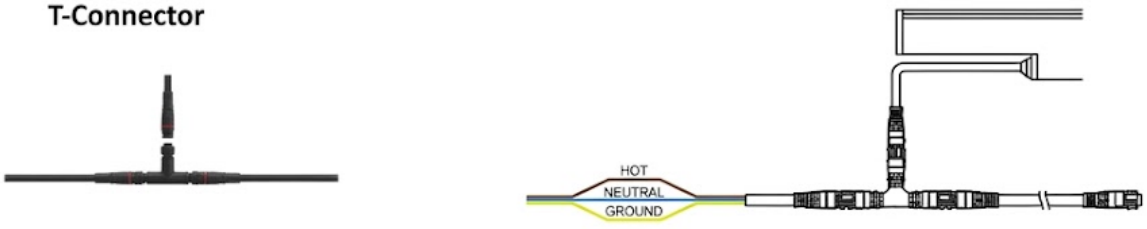
### Connector



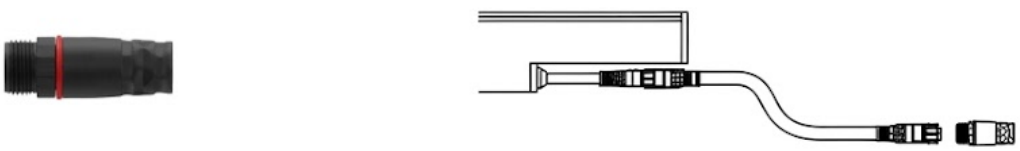
### Power cable



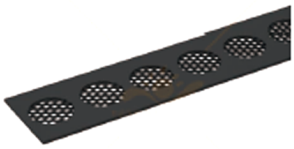
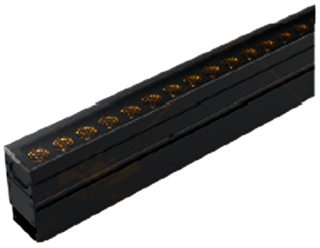
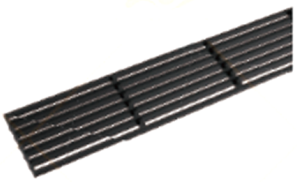
### T-Connector




### Cap terminal



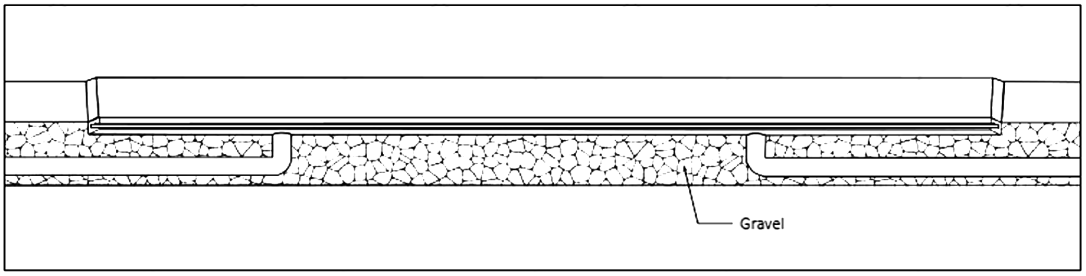
## GLARE OPTIONS

| | |
|---|---|
| Frosted Glass  |  |
| Honeycomb Louver  |  |
| Anti-glare optical lens  |  |
| Grill anti-glare louvre  |  |

# INSTALLATION INFORMATION

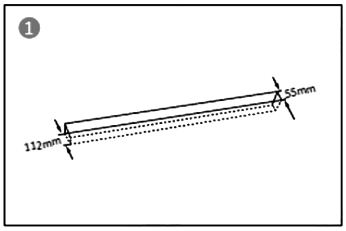
## Mounting Linear Inground Light

### Step 1 Laying Cables and Drainage Setup

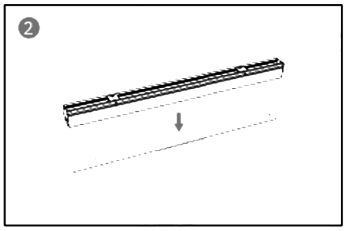



According to the project design requirements, lay electrical cables at the designated light installation positions. Set up a drainage pipe or other drainage facilities to prevent water accumulation around the light fixture.

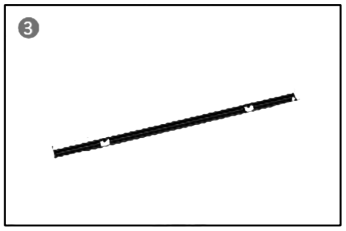
### Step2 Pre-embedded Sleeve Installation




Cut a groove at the designated installation position for the light fixture, based on the size of the light.

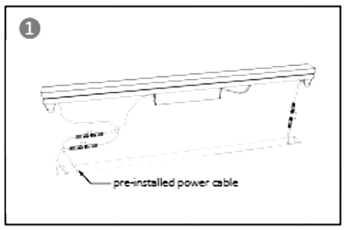



Position the pre-embedded sleeve horizontally into the groove.

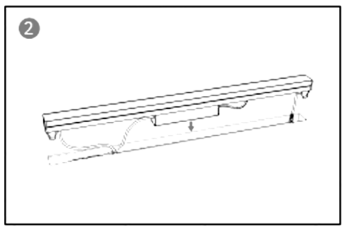



Ensure the sleeve flushed by the concrete or gravel.

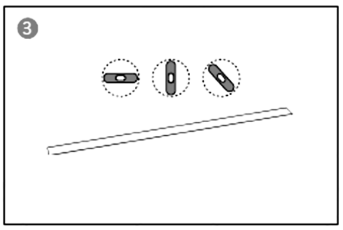
### Step 3 Light Fixture Installation




Connect the light fixture to the pre-installed power cable and wrap the connection with outdoor waterproof tape.

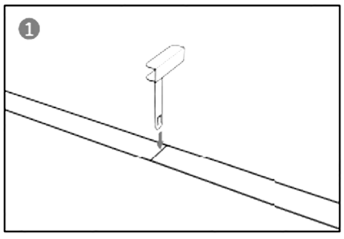


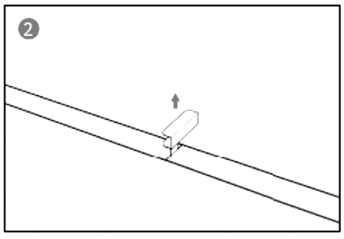

Place the fixture into the pre-embedded sleeve. Press both ends of the fixture until the spring clips lock it into place.

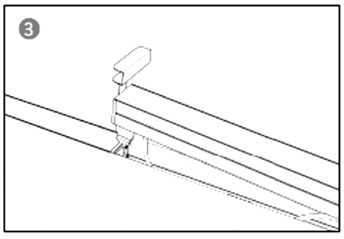



Ensure the fixture is securely fixed and aligned, with the light positioned horizontally.

### Step 4 Removing the Light Fixture



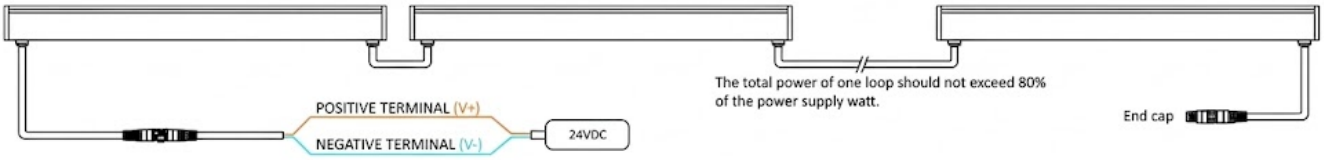




Use the clips (Provided by us), insert it into the gap between the fixtures. and pull out to successfully remove the fixture.

## POWER SUPPLY & ELECTRICAL INSTALLATION (DC)

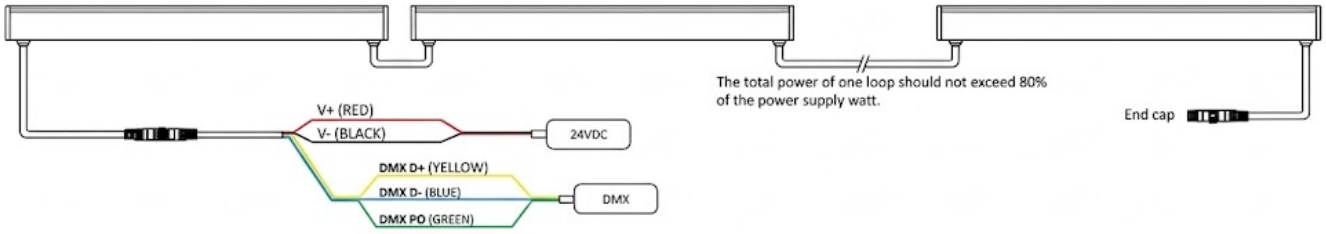
**Single-color Constant Lighting Wiring Diagram (24/DC):**

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

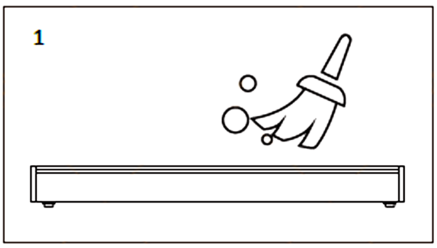



**DMX512 Wiring Diagram (24V/DC):**

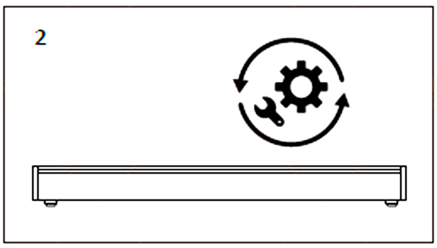
This connects the power line to the light fixture as described. The signal cable (3 wires for DMX, typically ground, data+, data-) is connected from the controller's output to the fixture's DMX input (IN port). Multiple lights can be daisy-chained by connecting the DMX OUT of one fixture to the DMX IN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



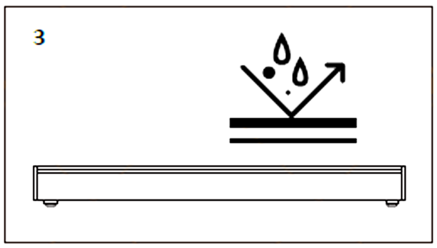

## Maintenance and Care




**Cleaning and Inspection:** Regularly clean dust and debris, check the light housing and wiring




**Replacement of Parts:** If necessary, replace light sources or power supply components with manufacturer-approved parts




**Waterproofing:** Periodically check waterproof joints and seals to ensure proper sealing

