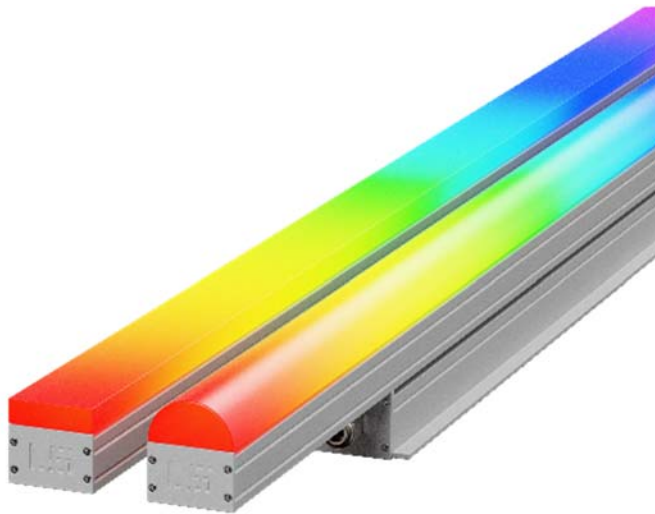


## Maya AC Pixel Bar



# INSTALLATION GUIDE

**Important Note:**

This installation guide is intended for reference purposes only. All installations should comply with local laws, regulations, and site-specific conditions. The recommendations provided are general guidelines and may require adjustments based on the actual site situation. Always consult a qualified professional for final installation decisions.



WARNING:

- This product must be installed according to national and local electrical codes by a qualified individual familiar with the construction, operation, and associated risks.
- Failure to follow the installation instructions may result in serious injury or death.
- Disconnect power before installation or maintenance to avoid electrical shock.
- Ensure the fixture is connected to the correct AC voltage as specified in the product documentation. Do not exceed the rated voltage.
- Do not install if the fixture, parts, or connectors are damaged.
- The fixture is rated IP66 and suitable for outdoor, wet locations.
- Do not submerge the fixture in water or other liquids.
- Avoid direct exposure to concentrated light from the pixel bar as it is designed for visual impact.
- Do not exceed the maximum number of fixtures in any single run. Refer to Table 1 for wiring limitations and power configurations.

**CAUTION:** Unauthorized modifications or repairs will void the warranty.

| MAXIMUM LOAD CAPACITY PER RUN (Table 1)                                           |                                                         |           |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|-----------|
| Series                                                                            | Maya AC Pixel Bar                                       |           |
| Input Voltage Range                                                               | 100-277V, 50/60Hz                                       |           |
| Max Power                                                                         | 10.4W(400mm), 15.6W(600mm), 23.4W(900mm), 31.2W(1200mm) |           |
| Power Factor                                                                      | ≥0.9 (@100V)                                            |           |
| Max. Power Linking<br>400mm (1.3ft)<br>600mm (2ft)<br>900mm (3ft)<br>1200mm (4ft) | US (100V)                                               | EU (220V) |
|                                                                                   | 95 nos.                                                 | 170 nos.  |
|                                                                                   | 65 nos.                                                 | 110 nos.  |
|                                                                                   | 46 nos.                                                 | 64 nos.   |
|                                                                                   | 35 nos.                                                 | 66 nos.   |
| Max run length is for interlink and leading cables (Fixtures not included)        | 30 Meters @US<br>40 Meters @EU                          |           |

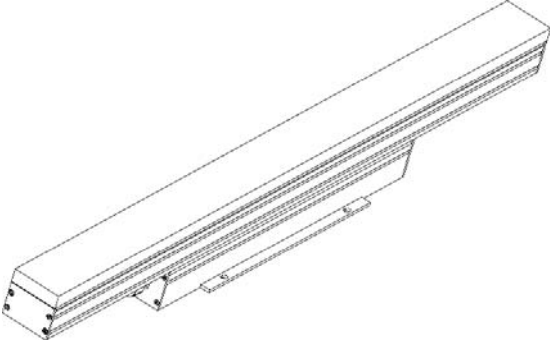
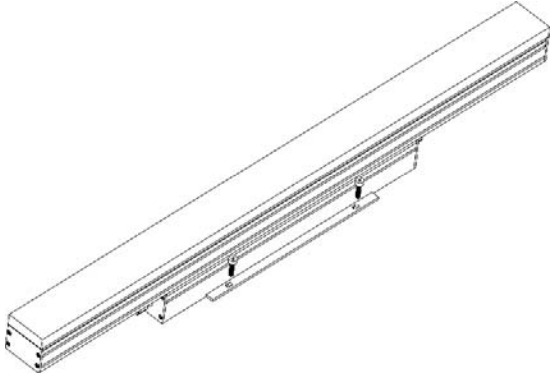
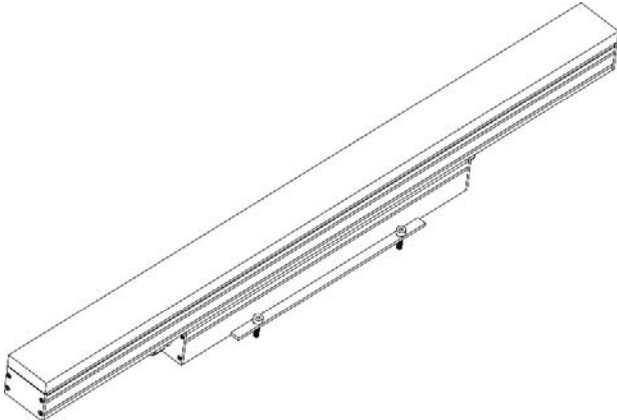
- Remark:
- Please be aware that mounting screws and hex-head bolts are not included with your purchase. Installers will need to supply these items for installation.
  - The actual maximum daisy chain limit may vary based on the gauge of the leading cable and the specific installation conditions. The values provided are recommended guidelines and should be considered as such. Please ensure that all installations comply with local electrical codes and safety standards.

# INSTALLATION INSTRUCTIONS

Maya AC Pixel Bar

**LUMINOSCAPE®**

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| HARDWARE INSTALLATION STEPS - Order with suffix FM                                                                                                                                             |                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>STEP 1) Position the Fixture:</b><br/>Place the fixture in the desired location.</p>                    | <p><b>STEP 2) Secure the Fixture:</b><br/>Ensure the fixture is securely fixed by fastening the screws through the screw holes on the flange located on the side.</p>  |
| <p><b>STEP 3) Fixture Placement Complete:</b><br/>The fixture has been placed at the desired location.</p>  |                                                                                                                                                                                                                                                          |

# INSTALLATION INSTRUCTIONS

Maya AC Pixel Bar

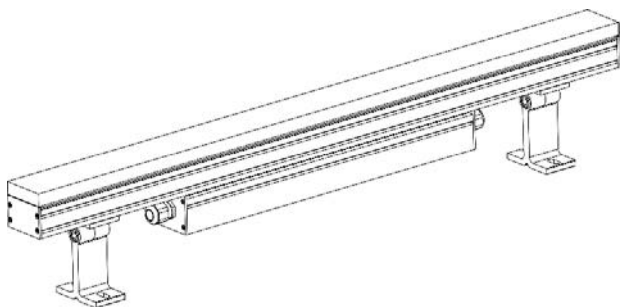
# LUMINOSCAPE®

Architectural Lighting Solutions

## HARDWARE INSTALLATION STEPS (ADJUSTABLE MOUNTING) - Order with suffix MB81, BM101

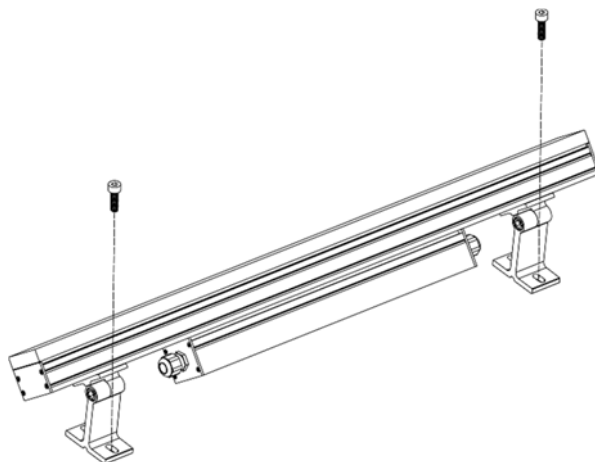
### STEP 1) Position the Fixture:

Place the fixture at the desired location for installation.



### STEP 2) Tilt and secure the Fixture in one side:

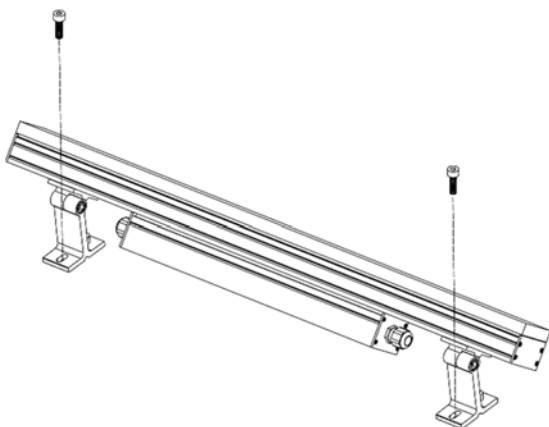
Gently tilt the top of the fixture to one side to expose the mounting brackets.



Use the through-mounting holes on the brackets to attach the fixture to a sturdy surface with suitable fasteners

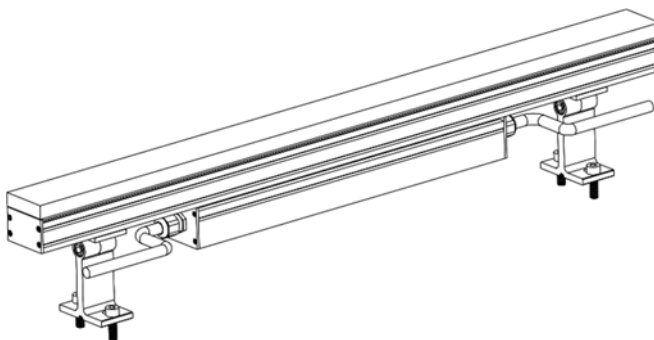
### STEP 3) Tilt and secure the Fixture in another side:

Repeat Step 2 on the other side.

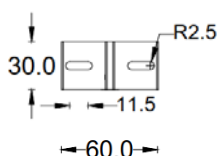


### STEP 4) Adjust the Fixture Angle:

Tilt the fixture back to the desired angle.



### Mounting hole layout:



# INSTALLATION INSTRUCTIONS

Maya AC Pixel Bar

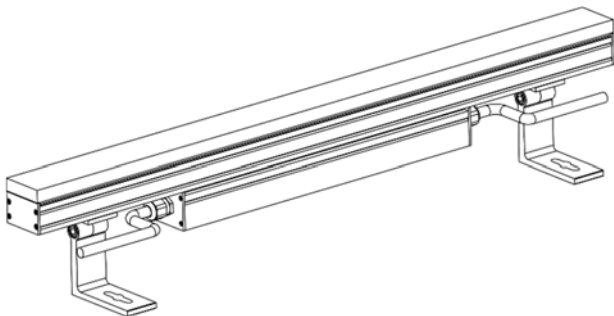
**LUMINOSCAPE®**

*Architectural Lighting Solutions*

## HARDWARE INSTALLATION STEPS (ADJUSTABLE MOUNTING) - Order with suffix MBL

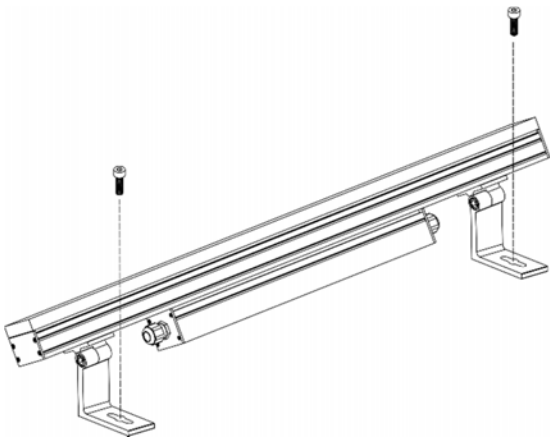
### STEP 1) Position the Fixture:

Place the fixture at the desired location for installation.



### STEP 2) Tilt and secure the Fixture in one side:

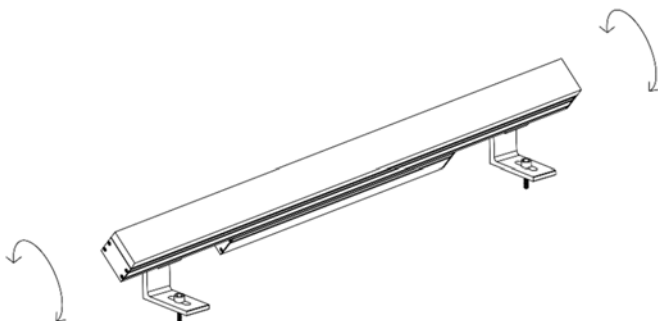
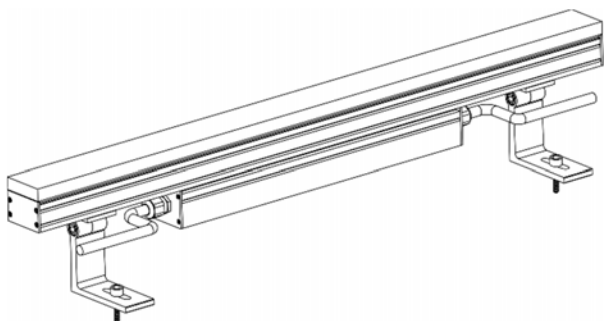
Gently tilt the top of the fixture to one side to expose the mounting brackets.



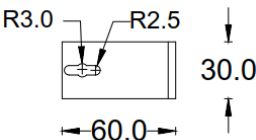
Use the through-mounting holes on the brackets to attach the fixture to a sturdy surface with suitable fasteners

### STEP 3) Adjust the Fixture Angle:

Tilt the fixture to the desired angle.



### Mounting hole layout:



# INSTALLATION INSTRUCTIONS

Maya AC Pixel Bar

LUMINOSCAPE®

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## WARNING (RGBW Combined/ RGBW Discrete/ Tunable White):

- Ensure the **Maya AC Pixel Bar** is earthed, and the AC power supply includes a circuit breaker, ground fault protection, and a disconnect device for servicing or when not in use.
- Before connecting DMX cables, ensure all wiring meets DMX standards to prevent communication issues or damage.
- Disconnect the power supply and DMX signal entirely before any maintenance or troubleshooting.
- Verify that voltage, frequency, and DMX settings match the product label and local mains supply before powering on the fixture.
- Confirm DMX address and control settings are accurate to prevent unintended lighting behavior.
- For DMX networks, ensure proper termination to avoid signal interference or reflections. (DMX Terminator)

Wire Identification Schemes Table:

| Cable                           | Function    | Core(US) | Wire Size | Core(EU)     | Wire Size          |
|---------------------------------|-------------|----------|-----------|--------------|--------------------|
| Power lead in                   | L (live)    | Black    | 16AWG     | Brown        | 1.3mm <sup>2</sup> |
|                                 | N (Neutral) | White    | 16AWG     | Blue         | 1.3mm <sup>2</sup> |
|                                 | GND (Earth) | Green    | 16AWG     | Yellow/Green | 1.3mm <sup>2</sup> |
| Data lead in                    | DMX+        | Purple   | 20AWG     | Purple       | 0.5mm <sup>2</sup> |
|                                 | DMX -       | Pink     | 20AWG     | Grey         | 0.5mm <sup>2</sup> |
|                                 | DMX GND     | Yellow   | 20AWG     | Yellow       | 0.5mm <sup>2</sup> |
| Power and Data<br>Power Combine | L (live)    | Black    | 16AWG     | Brown        | 1.3mm <sup>2</sup> |
|                                 | N (Neutral) | White    | 16AWG     | Blue         | 1.3mm <sup>2</sup> |
|                                 | GND (Earth) | Green    | 16AWG     | Yellow/Green | 1.3mm <sup>2</sup> |
|                                 | DMX+        | Purple   | 22AWG     | Purple       | 0.3mm <sup>2</sup> |
|                                 | DMX -       | Pink     | 22AWG     | Grey         | 0.3mm <sup>2</sup> |
|                                 | DMX GND     | Yellow   | 22AWG     | Yellow       | 0.3mm <sup>2</sup> |

# INSTALLATION INSTRUCTIONS

Maya AC Pixel Bar

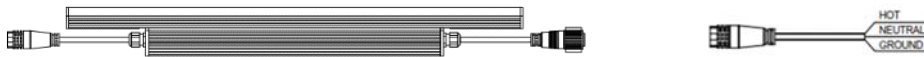
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## CABLE AND CONNECTIONS (Static White)

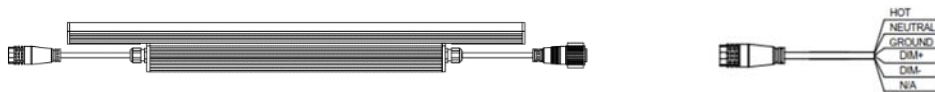
### Typical Wiring Schematic (Static White):

#### Leading wiring (ON/OFF, and TRIAC):

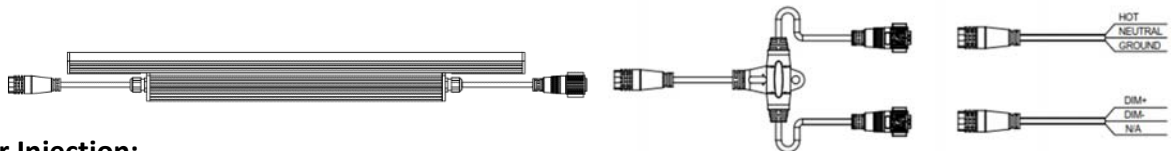


#### Leading wiring (0-10V, and DALI):

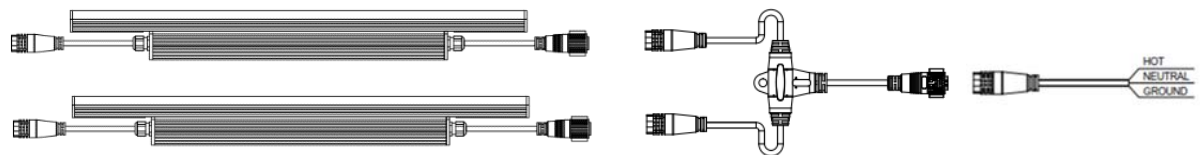
Option one: 6 pin lead in cable:



Option two: Leading T-joint (AC-LEADIN-T336) with power and data leading cables.



#### Power Injection:



#### Interlink Cable:



#### End Cap:



RECOMMENDED INSTALLATION TOOLS AND MATERIALS

| Item   | Description                      | Material                                                        | Recommended Length | Purpose                                                        |
|--------|----------------------------------|-----------------------------------------------------------------|--------------------|----------------------------------------------------------------|
| Screws | Fasteners to secure the fixture. | Color-plated Zinc Carbon Steel 1215 or Stainless Steel 316/316L | 10mm - 20mm        | Secure fixture to surface; ensure suitable fastening strength. |

- Remarks:
1. The items listed above are **recommended** for installation and are not provided by Luminoscape.
  2. Ensure the screws are made from durable materials such as **Color-plated Zinc Carbon Steel 1215** or **Stainless Steel 316/316L** to avoid corrosion and ensure longevity.
  3. The **M6 Hex Key** should match the hex head bolt size for easy adjustment of the fixture rotation.
  4. A **suitable fastener** should be chosen based on the mounting surface to ensure a secure installation.

INSTALLATION COMPLETION CHECKLIST

| Checklist Category             | Task                                                                                                           | Completed (✓) |
|--------------------------------|----------------------------------------------------------------------------------------------------------------|---------------|
| General Preparation            | Verify all components are present and undamaged (fixtures, cables, connectors, etc.).                          |               |
|                                | Confirm the AC power supply matches the voltage and frequency specified on the product label.                  |               |
|                                | Ensure the circuit breaker or fuse, ground fault protection, and power disconnect device are installed.        |               |
| Mounting and Fixture Alignment | Check that all fixtures are securely mounted using appropriate screws and brackets.                            |               |
|                                | Verify alignment and angles are adjusted to achieve the desired lighting effect.                               |               |
| Electrical Connections         | Confirm all power and data cables are securely connected and meet the recommended wiring standards.            |               |
|                                | Verify proper grounding of the fixture for safety and compliance.                                              |               |
|                                | Ensure DMX cables (if applicable) are terminated correctly to prevent signal interference.                     |               |
| Safety and Testing             | Confirm that power is disconnected before performing any adjustments or maintenance.                           |               |
|                                | Test the installation for proper functionality, including DMX addressing and control settings (if applicable). |               |
|                                | Inspect for any exposed wiring, loose connections, or mechanical stress on cables.                             |               |
| Final Inspection               | Ensure setback distances are applied correctly for optimal lighting performance.                               |               |
|                                | Verify that the installation complies with all national and local electrical codes.                            |               |