LUMINOSCAPE®

Architechural Lighting Solutions

Blazeline Max Static White
Blazeline Max Combined Source
Blazeline Max Discrete Source
Blazeline Max Tunable White

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.

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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.
- Do not exceed the rated voltage of the fixture.
- Do not install if the fixture, parts, or connectors are damaged.
- The fixture is rated **IP66** and is suitable for use in outdoor, wet locations.
- Do not submerge in water or other liquids.
- Do not exceed the maximum number of fixtures in any single run. Refer to **Table 1** for details.

CAUTION: Unauthorized modifications or repairs will void the warranty.

MAXIMUM LOAD CAPACITY PER RUN (Table 1)

Series	**Blazeline Max** Static White		**Blazeline Max** Tunable White / **Blazeline Max** Discrete Source/ **Blazeline Max** Combined Source	
Input Voltage Range	100-277V, 50/60Hz		100-277V, 50/60Hz	
Max Power	12W(304mm), 24W(598mm) , 36W(898mm), 48W(1183mm)		12W(304mm), 24W(598mm) , 36W(898mm), 48W(1183mm)	
Power Factor	≧0.9 (@100V)		≧0.9 (@100V)	
Max. Power Linking	US (100V)	EU (220V)	US (100V)	EU (220V)
304mm (1ft)	85 nos.	150 nos.	85 nos.	150 nos.
598mm (2ft)	45 nos.	80 nos.	45 nos.	80 nos.
898mm (3ft)	30 nos.	55 nos.	30 nos.	55 nos.
1183mm (4ft)	22 nos.	41 nos.	22 nos.	41 nos.
Max run length is for interlink and leading cables (Fixtures not included)	20 Meters @US 30 Meters @EU		20 Meters @US 30 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.

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INSTALLATION INSTRUCTIONS

Blazeline Max

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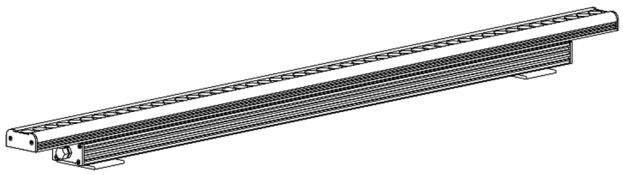
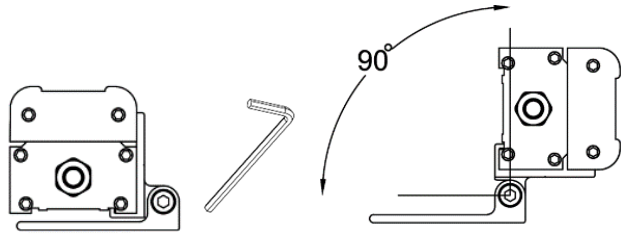
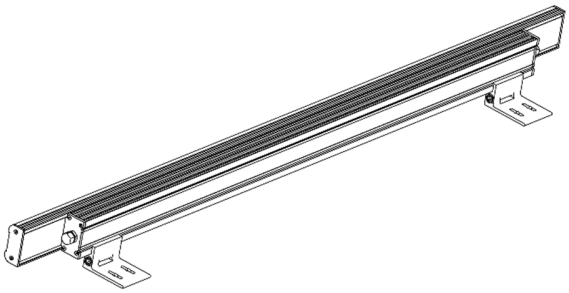
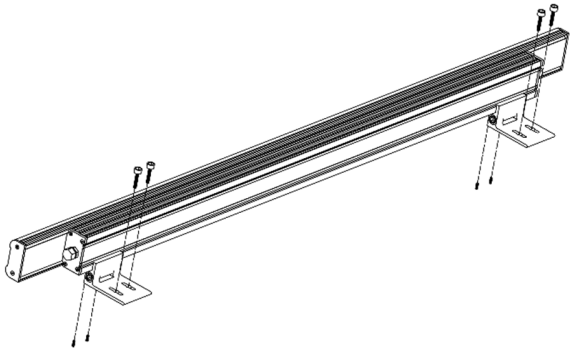
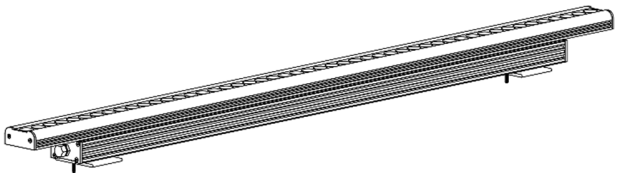
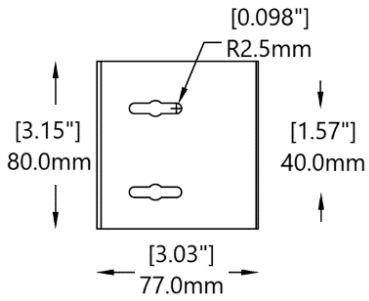
HARDWARE INSTALLATION STEPS (FLIP FLOP MOUNTING) - Order with suffix FF	
STEP 1) Position the Fixture: Place the fixture in the desired location. 	**STEP 2) Access Mounting Brackets:** Loosen the hex-head bolt to rotate the fixture, allowing access to the mounting brackets. 
STEP 3) Tile Fixture Top: Gently tilt the top of the fixture to one side. 	**STEP 4) Secure with Fasteners:** Use the through-mounting holes on the brackets to attach the fixture to a sturdy surface with suitable fasteners. 
STEP 5) Adjust the Fixture Angle: Tilt the fixture back to the desired angle. 	**Mounting hole layout:** 

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INSTALLATION INSTRUCTIONS

Blazeline Max

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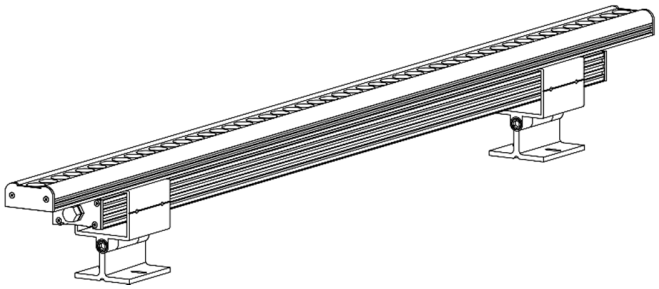
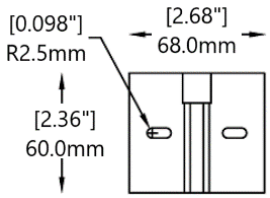
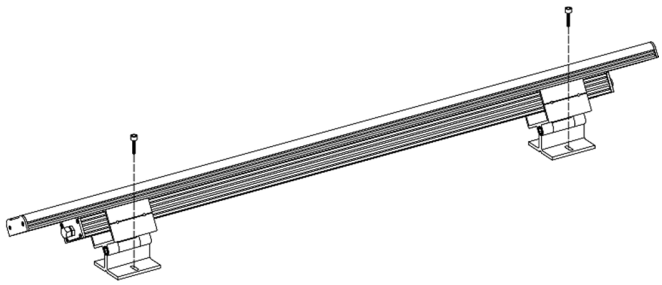
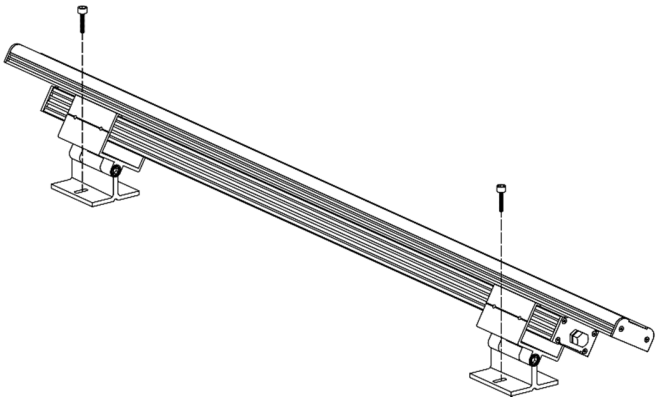
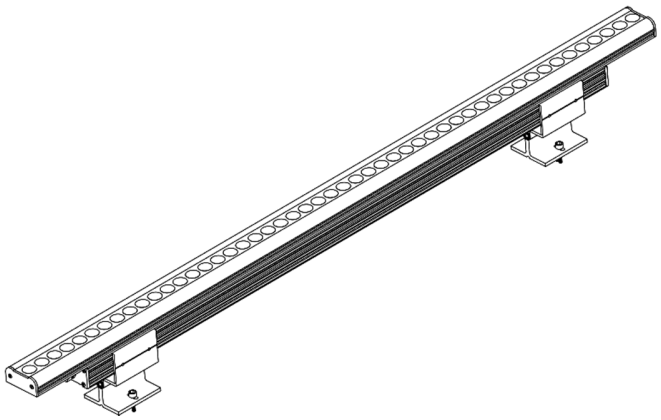
HARDWARE INSTALLATION STEPS (ADJUSTABLE MOUNTING) - Order with suffix TM	
STEP 1) **Position the Fixture:** Place the fixture at the desired location for installation.  **Mounting hole layout:**  	STEP 2) **Tilt and secure the Fixture in one side:** Gently tilt the top of the fixture to one side to expose 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. 

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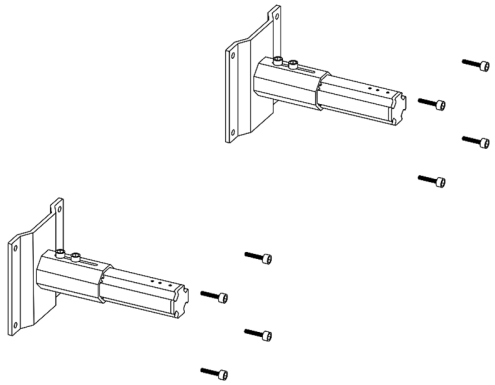
HARDWARE INSTALLATION STEPS (Wall Mounting Arm - DLWMB) - Order separately

STEP 1)

Secure Mounting Arm:

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



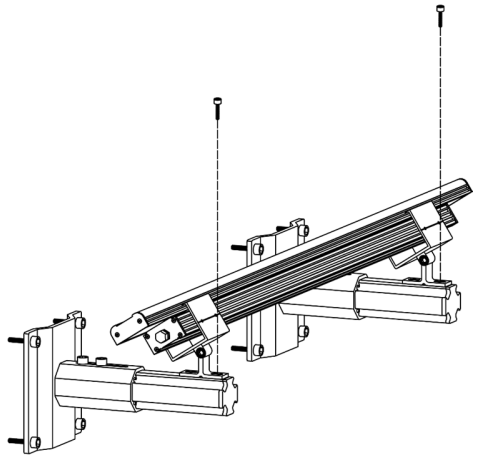
Remark:

Ensure that the distance between the two mounting arms aligns with the mounting slots on the fixtures.

STEP 2)

Attach the Fixture:

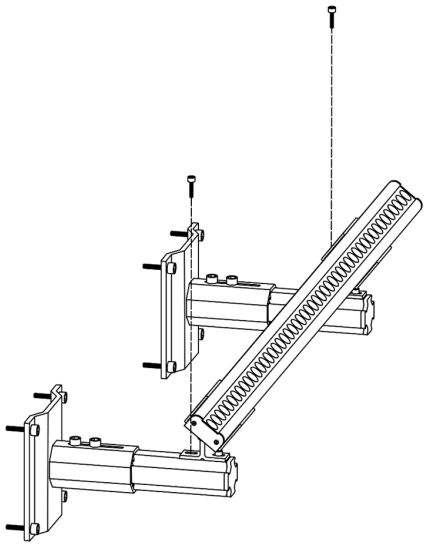
- Tilt and secure the fixture in one side.
- Gently tilt the top of the fixture to one side to expose the mounting brackets.
- Use the through-mounting holes on the brackets to attach the fixture to the mounting arm with suitable fasteners.



STEP 3)

Tilt and secure the Fixture in another side:

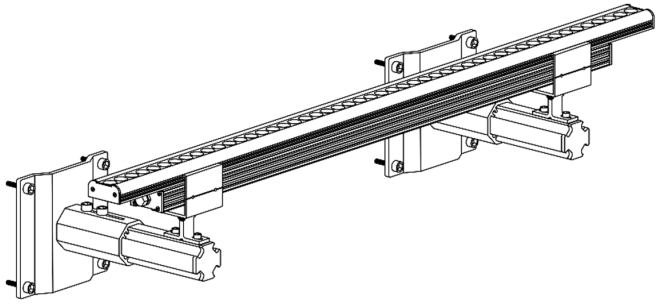
Repeat Step 2 on the other side.



STEP 4)

Adjust the Fixture Angle:

Tilt the fixture back to the desired angle.



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HARDWARE INSTALLATION STEPS (INGROUND SPIKE, DPMBA-SPIKE) - Order separately	
STEP 1) **Secure the Spikes:** Firmly press the mounting inground spike downward into the grass area until it is securely anchored in the ground. **Remark:** Ensure that the inground spikes are spaced appropriately to align with the mounting bracket locations of the wallwasher	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.

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WARNING (Static White):

- Ensure the **Blazeline Max** is properly earthed, and the AC power supply is equipped with a circuit breaker or fuse, ground fault protection, and a device to disconnect power for servicing or when the fixture is not in use.
- Disconnect all cables and the fixture from the power source completely before performing any maintenance tasks.
- Implement measures to prevent the accidental reconnection of power during maintenance.
- Confirm that the voltage and frequency specified on the product label match the local mains power supply before turning on the fixture.

Wire Identification Schemes Table:

Cable		Core(US)	Wire Size	Core(EU)	Wire Size
Power lead in/ Power extension Cable	L (live)	Black	16AWG	Brown	1.3mm^2
	N (Neutral)	White	16AWG	Blue	1.3mm^2
	GND (Earth)	Green	16AWG	Yellow/Green	1.3mm^2
Data lead in	DIM+	Purple	20AWG	Purple	0.5mm^2
	DIM-	Pink	20AWG	Grey	0.5mm^2
	N/A	Yellow	20AWG	Yellow	0.5mm^2
Power and Data Combine Lead-in/ Extension	L (live)	Black	16AWG	Brown	1.3mm^2
	N (Neutral)	White	16AWG	Blue	1.3mm^2
	GND (Earth)	Green	16AWG	Yellow/Green	1.3mm^2
	DIM+	Purple	22AWG	Purple	0.3mm$^2_2$
	DIM-	Pink	22AWG	Grey	0.3mm$_2$
	N/A	Yellow	22AWG	Yellow	0.3mm

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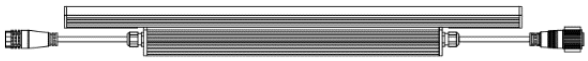
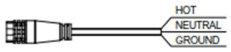
CABLE AND CONNECTIONS (Static White)

Typical Wiring Schematic (Static White):

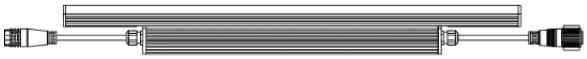
Leading wiring (ON/OFF, and TRIAC):

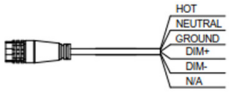




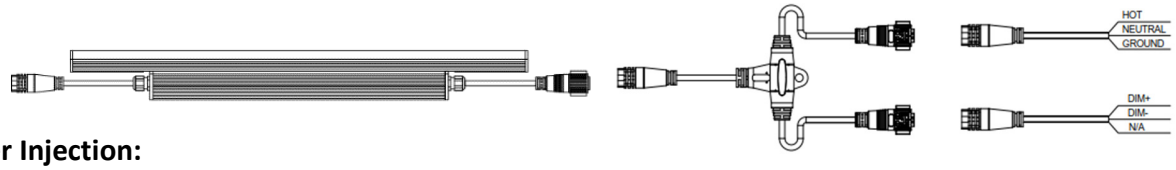
Leading wiring (0-10V, and DALI):

Option one: 6 pin lead in cable:

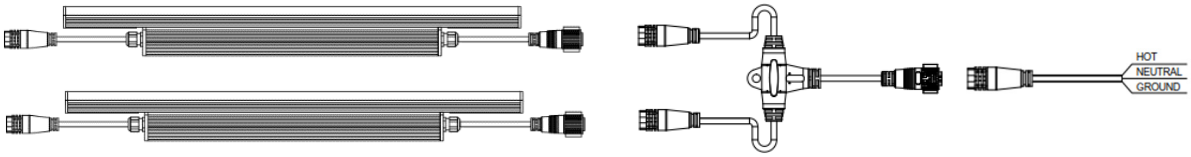




Option two: Leading T-joint (AC-LEADIN-T336) with power and data leading cables.

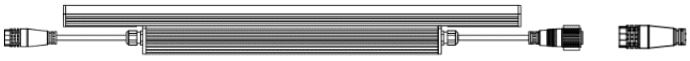


Power Injection:



Interlink Cable:

End Cap:



Wire Identification Schemes Table:

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

- Ensure the Blazeline Max fixture 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)

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

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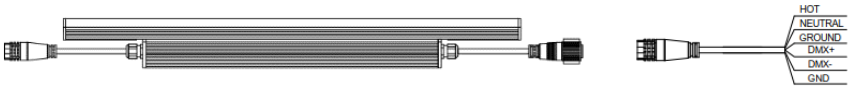
CABLE AND CONNECTIONS (RGBW Combined/ RGBW Discrete/Tunable)

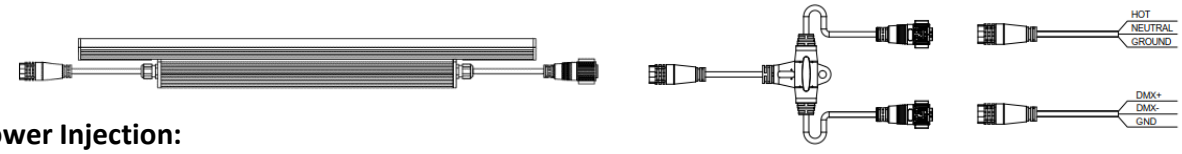
Typical Wiring Schematic (Tunable, RGBW Discrete, RGBC Combined):

Leading wiring:

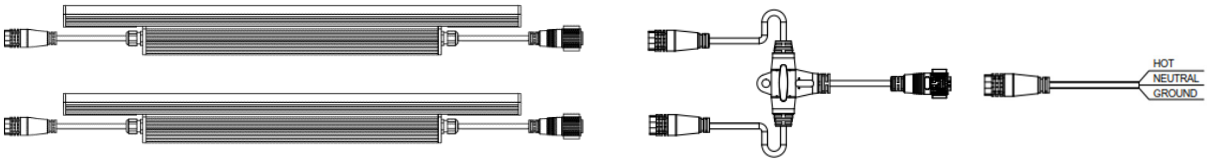
Option one: 6 pin lead in cable:



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

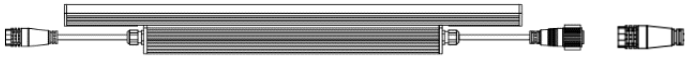


Power Injection:



Interlink Cable:

DMX Terminator:



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INSTALLATION INSTRUCTIONS

Blazeline Max

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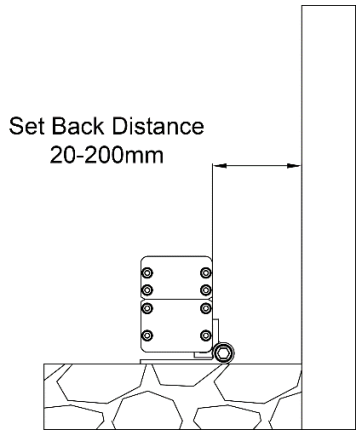
SET BACK DISTANCE

Correct setback distances ensure optimal lighting performance and effective wallwashing results

Recommended Setback Distances for Wallwasher

.

Set Back Distance	Purpose	Best Use
20mm-50mm	For narrow beams, smooth surfaces, glazing	Focused, intense lighting.
50mm-100mm	Balanced lighting for textured walls.	General wallwashing
100mm-200mm	Wide, even light for large areas.	Enhances textured surfaces



Noted:
- Our recommended setback distances are only guidelines. The actual distance may vary depending on the specific wall texture, height, and lighting effect required for your project. Always adjust based on real-world conditions to achieve the best outcome.

RECOMMENDED INSTALLATION TOOLS AND MATERIALS

Item	Description	Material	Recommended Length	Purpose
M6 Hex Key (Allen Wrench)	Tool for loosening hex head bolts to rotate the fixture	N/A	N/A	Loosen hex head bolt to adjust fixture angle.
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.

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INSTALLATION COMPLETION CHECKILIST

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.	

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