

AuroRing RGBW Combined Source

AuroRing Mini RGBW Combined Source

AuroRing Micro RGBW Combined Source



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.

INSTALLATION INSTRUCTIONS

AuroRing Circular Flood Projector

LUMINOSCAPE®

Architectural Lighting Solutions



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	AuroRing Mini		AuroRing Mini		AuroRing		AuroRing
Input Voltage Range	100-277V, 50/60Hz		100-277V, 50/60Hz		100-277V, 50/60Hz		100-277V, 50/60Hz
Max Power	36W		36W		72W		72W
Power Factor	≥ 0.9 (@100V)		≥ 0.9 (@100V)		0.9 (@100V)		0.9 (@100V)
Max. Power Linking	US (120V)	EU (220V)	US (120V)	EU (220V)	US (120V)	EU (220V)	
	45 nos.	82 nos.	30 nos.	55 nos.	13 nos.	29 nos.	
Max run length is for interlink and leading cables (Fixtures not included)	30 Meters @US 50 Meters @EU		30 Meters @US 50 Meters @EU		30 Meters @US 50 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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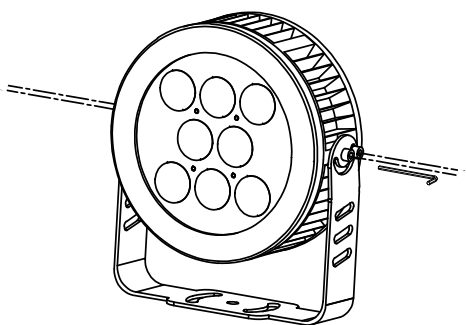
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HARDWARE INSTALLATION STEPS

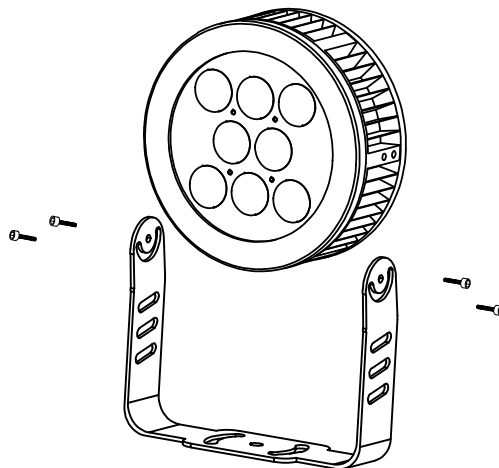
STEP 1) Loosen Side Screws

Use an Allen key to loosen the hex screws on the bracket sides.



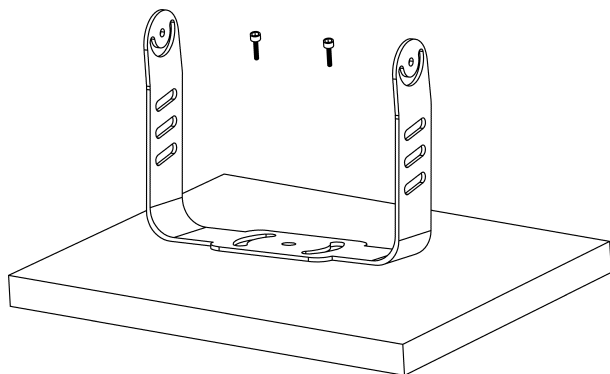
STEP 2) Detach Fixture from Arm

Carefully remove the fixture from the mounting arm once the screws are loose.



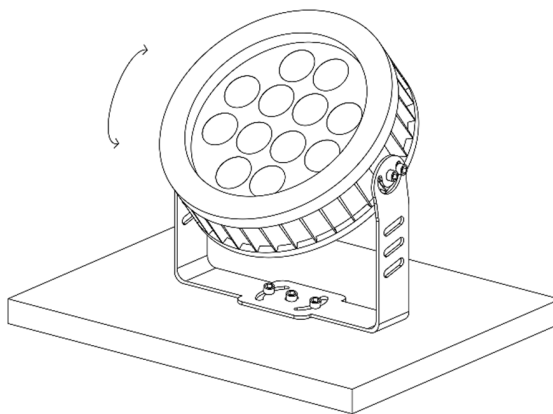
STEP 3) Secure with Fasteners

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



STEP 4) Reattach and Set Angle

Place the fixture back onto the mounting arm, gently tilt it to the desired angle.



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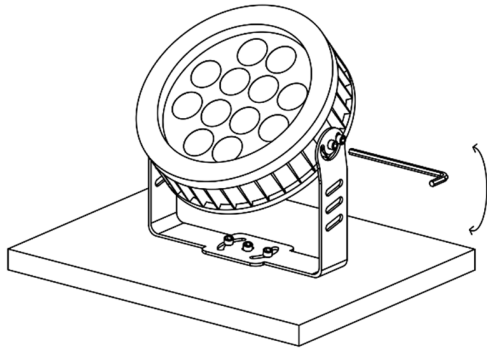
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STEP 5) Secure and Lock Bracket

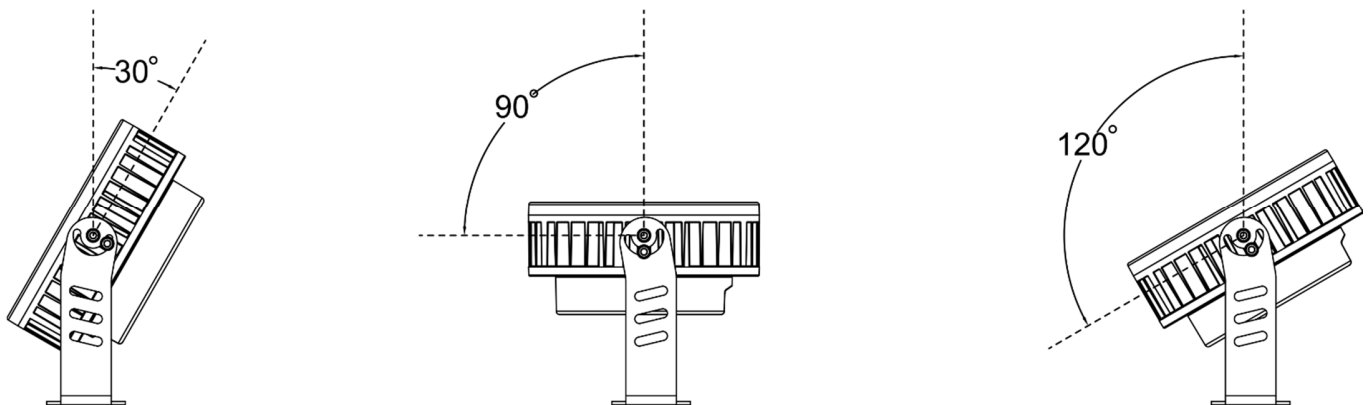
Use the Allen key to retighten the hex bolts on the sides. Ensure the bolts are firmly tightened to lock the bracket in place and maintain the desired angle.



BENDING RADIUS

Adjust the fixture and tilt to various angles to ensure optimal lighting coverage and to suit the specific requirements of your application. This flexibility allows the wall washer to be customized for different environments and lighting effects.

The bending strength of the AuroRing is detailed below:



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WARNING:

- Ensure the **AuroRing** 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	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 Power Combine	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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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.	