

BlazeMini Static White BlazeMini RGBW Combined



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

BlazeMini Ceiling Recessed

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WARNING:

- This product must be installed according to national and local electrical codes by a qualified individual familiar with DC systems, the product's 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 IP65 and is suitable for outdoor, wet locations.
- 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.

LECTRICAL SPECIFICATIONS:				
Series	BlazeMini Static White		BlazeMini RGBW	
Input Voltage Range	24VDC			
Power	Imperial: 6W(300mm), 24W(1200mm)	Metric: 6W (260mm), 12W (500mm), 24W(1000mm)	Imperial: 12W(300mm), 48W(1200mm)	Metric: 12W (260mm), 24W (500mm), 48W(1000mm)
Max. Power Linking				
6W	16 nos.	16 nos.	8 nos.	8 nos.
12W	8 nos.	8 nos.	4 nos.	4 nos.
24W	4 nos.	4 nos.	2 nos.	2 nos.
Max run length is for interlink and leading cables (Fixtures not included)	15 meters		15 meters	

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. We recommend using stainless steel screws to prevent corrosion.
- 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.

info@luminoscape.com

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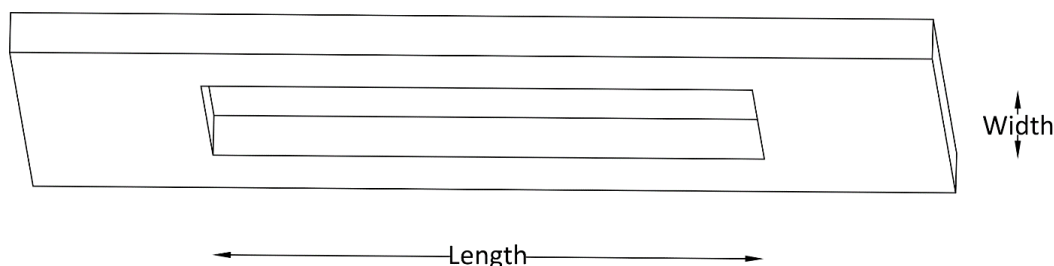
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INSTALLATION

STEP 1) Cutting the Ceiling

Mark the designated position on the ceiling where the luminaire will be installed. Carefully cut the hole using the suggested dimensions:

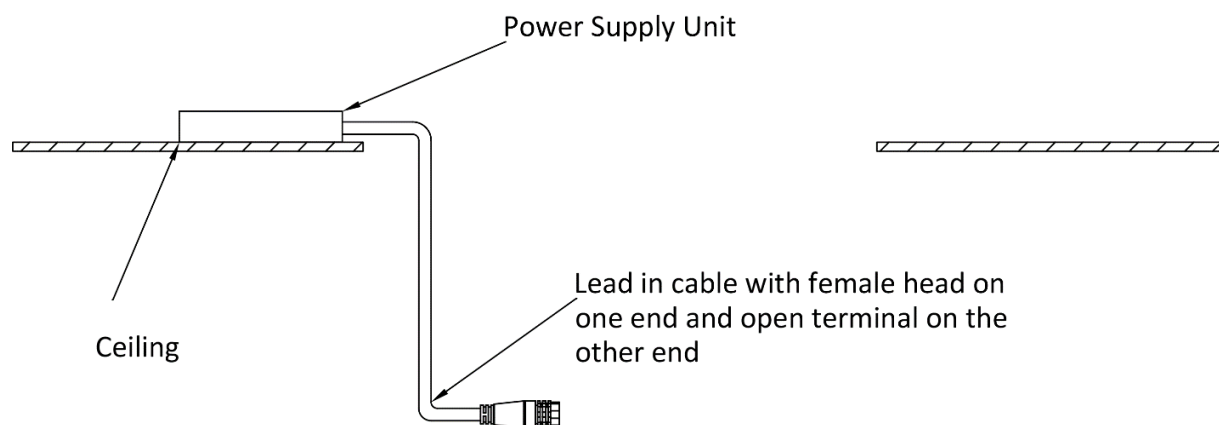
- **Width:** 45mm
- **Length:** Total length of the daisy chain + 4mm



Note: Use a plasterboard saw or pad saw for cutting. The recommended length is a guideline; always assess the site conditions to determine the exact cut-out dimensions.

STEP 2) Mounting and Connecting the Power Supply

Securely mount the power supply on the ceiling. Next, connect the open terminal of the leading-in cable to the 24V constant power supply.



Note: Ensure all connections are secure and follow safety guidelines during installation.

INSTALLATION INSTRUCTIONS

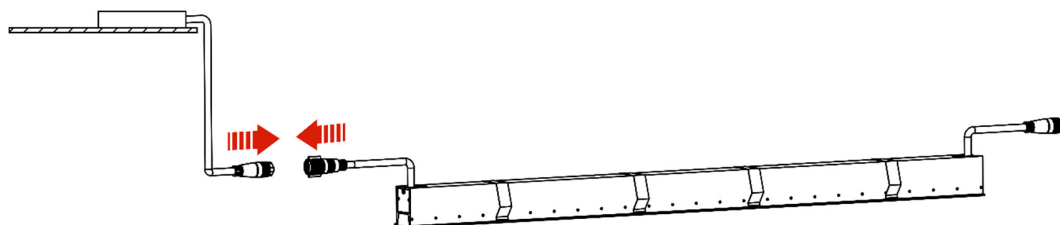
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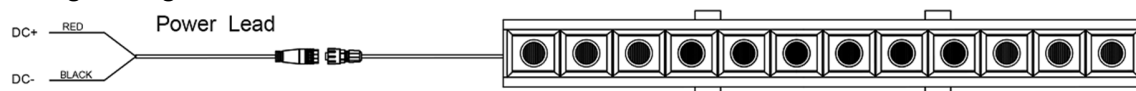
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STEP 3) Connecting Power Supply to Luminaire

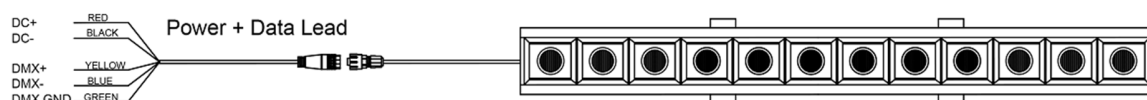
Connect the power supply and leading cable to the first luminaire in the daisy chain. For RGBW versions, ensure the connection to the DMX controller is also established.



Wiring for Single White:

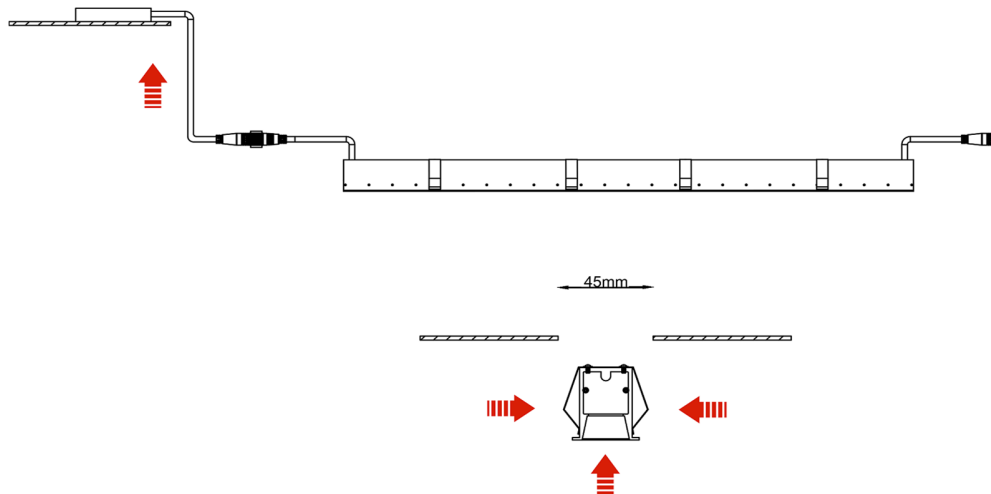


Wiring for RGBW:



STEP 4) Securing the Luminaire to the Ceiling

Squeeze the spring clips and carefully push the luminaire upwards, firmly positioning it into the ceiling unit. Ensure the cable is not trapped or pinched during installation.



INSTALLATION INSTRUCTIONS

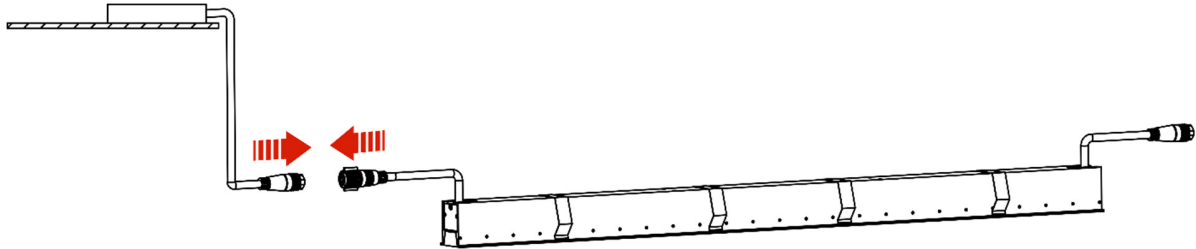
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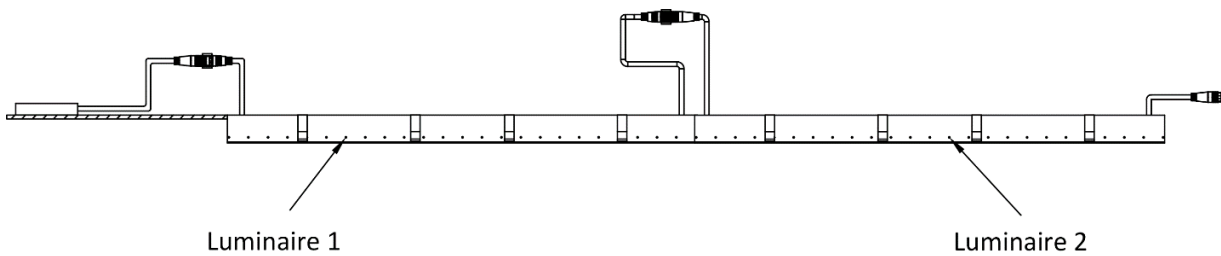
STEP 5) Connecting Luminaires in Daisy Chain

Connect each luminaire to the next fitting in the daisy chain using the loop-in and loop-out cable connectors.



STEP 6) Connecting Luminaires in Daisy Chain

Repeat the process by squeezing the spring clips and pushing the next luminaire upwards, firmly positioning it into the ceiling unit. Ensure the cable is not trapped or pinched during installation.



Noted: Verify the alignment and stability of each luminaire to ensure a secure and professional finish.

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POWER CABLES AND CONNECTIONS

Wire Identification Schemes Table (Static White):

Cable	Function	Core(US)	Wire Size	Core(EU)	Wire Size
Power lead in/ Power extension Cable	DC+	Red	16AWG	Brown	1.0mm ²
	DC-	Black	16AWG	Blue	1.0mm ²

Wire Identification Schemes Table (RGBW):

Cable	Function	Core(US)	Wire Size	Core(EU)	Wire Size
Power and Data combined lead in / Extension Cable	DC+	Red	16AWG	Red	1.0mm ²
	DC-	Black	16AWG	Black	1.0mm ²
	DMX+	Yellow	20AWG	Yellow	0.5mm ²
	DMX-	Blue	20AWG	Blue	0.5mm ²
	DMX GND	Green	20AWG	Green	0.5mm ²

INSTALLATION COMPLETION CHECKLIST

Checklist Category	Task	Completed (✓)
General Preparation	Verify all components are present and undamaged (luminaire, power supply, connectors, etc.).	
	Confirm the DC power supply matches the voltage specified on the product label.	
	Ensure the circuit breaker or fuse, ground fault protection, and power disconnect device are installed.	
Mounting and Fixture Alignment	Mark and cut the ceiling hole according to the recommended dimensions (Width: 45mm, Length: Daisy chain length + 4mm).	
	Securely mount the power supply on the ceiling.	
	Verify alignment of the luminaire to achieve the desired wallwashing effect.	
Electrical Connections	Connect the leading-in cable to the 24V constant power supply.	
	Connect the power supply to the first luminaire in the daisy chain.	
	Ensure all loop-in and loop-out cable connectors are securely connected between luminaires.	
	Verify proper grounding of the fixture for safety and compliance.	
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 the luminaire is firmly positioned using spring clips and that no cables are trapped.	
	Verify that the installation complies with all national and local electrical codes.	