

BlazeLine Mini

Tunable White



Date: _____ Quantity: _____

Company: _____

Project: _____

The BlazeLine Mini Tunable White is a compact option in the series, offering dual CCT in a single diode within its slim 33mm width. It delivers precise control over color temperature transitions in smaller spaces where flexibility and compactness are essential.

FEATURES

- Tunable white: Dual CCT in a single diode
- LumiMax™: Full power on each channel
- Durable aluminum housing
- Optional anti-glare louvers available
- Various beam angles for precise control

PERFORMANCE AND COMPLIANCE



ThermoSafe™



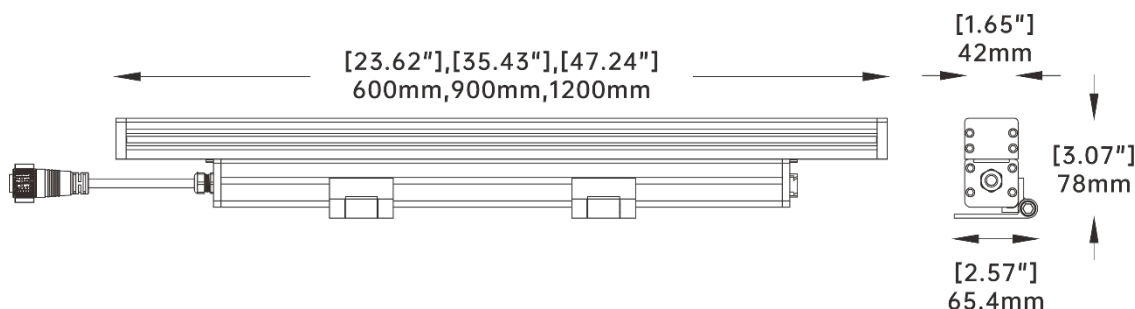
LumiMax™

QUICK SPEC

Color Options	2200K to 4000K, 1800K to 6000K
Length	600mm [23.62"], 900mm [35.43"], 1200mm [47.24"]
Optics	15°, 30°, 60°, 20°x40°
Power Consumption	20W (600mm), 30W (900mm), 40W (1200mm)
Voltage	100-277VAC 50/60Hz
Dimming	DALI, DMX, RDM

Noted: LumiMax™ only available in RDM and DALI control

DIMENSIONS



Specifications are subject to change due to updates and innovations. Check our website for the latest technical data. The information serves as an estimate and may differ by power supply and installation. All rights reserved.

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PHYSICAL

Housing Material	6063 high density extruded aluminium alloy
Lens Material	Optical grade PMMA
Cover	Silk screen tempered glass
Surface Finishing	Powder coating available in - RAL9001 White - RAL9006 Grey - RAL9011 Black - RAL9023 Dark Grey

ENVIRONMENT

Storage Temperature	- 30°C to 60°C
Operating Temperature	- 20°C to 50°C
Ingress Protection Rating	IP66

MAXIMUM DAISY CHAIN LIMITS

Power/ft	Region	Main Voltage	Max. power	Max. no. of 4 ft fixtures	Max. Cable Length (Leading + Interlink)
10W	US	120V	1080W	27 nos.	20 Meters
10W	EU	220-240V	1980W	49 nos.	30 Meters

Note:
- 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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CABLE CORE COLOR CODING

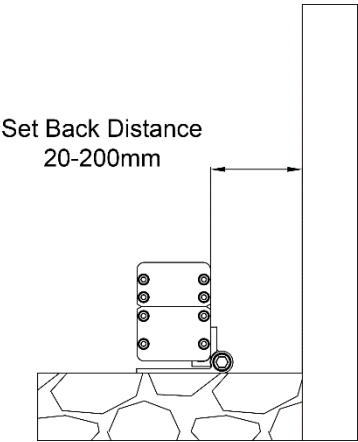
Cable	Function	Core(US)	Wire Size	Core(EU)	Wire Size
Power lead in	L (live)	Black	16AWG	Brown	1.3mm ²
	N (Neutral)	White	16AWG	Blue	1.3mm ²
	GND (Earth)	Green	16AWG	Yellow/Green	1.3mm ²
Data lead in	DMX+	Purple	20AWG	Purple	0.5mm ²
	DMX-	Pink	20AWG	Grey	0.5mm ²
	DMX GND	Yellow	20AWG	Yellow	0.5mm ²
Power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

SET BACK DISTANCE

Correct setback distances ensure optimal lighting performance and effective wallwashing results

Recommended Setback Distances for Wallwashers

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.

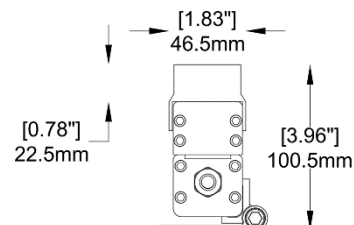
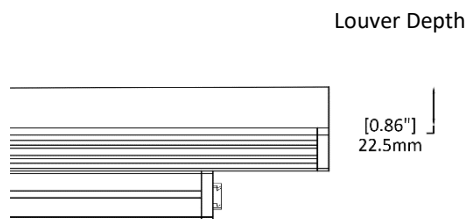
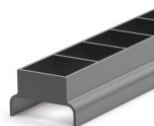
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ANTI-GLARE ACCESSORIES (Order Separately)

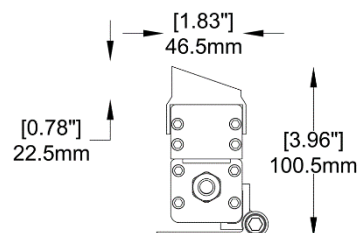
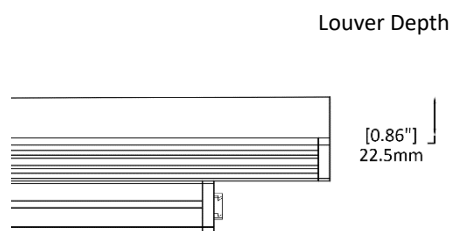
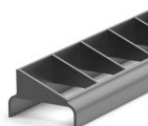
Symmetric Louver for BlazeLine Mini RGBW Discrete Source

ITEM: BLMGLS - **LENGTH** - **FINISH**



Asymmetric Louver for BlazeLine Mini RGBW Discrete Source

ITEM: BLMGLA - **LENGTH** - **FINISH**



Selection Guide:

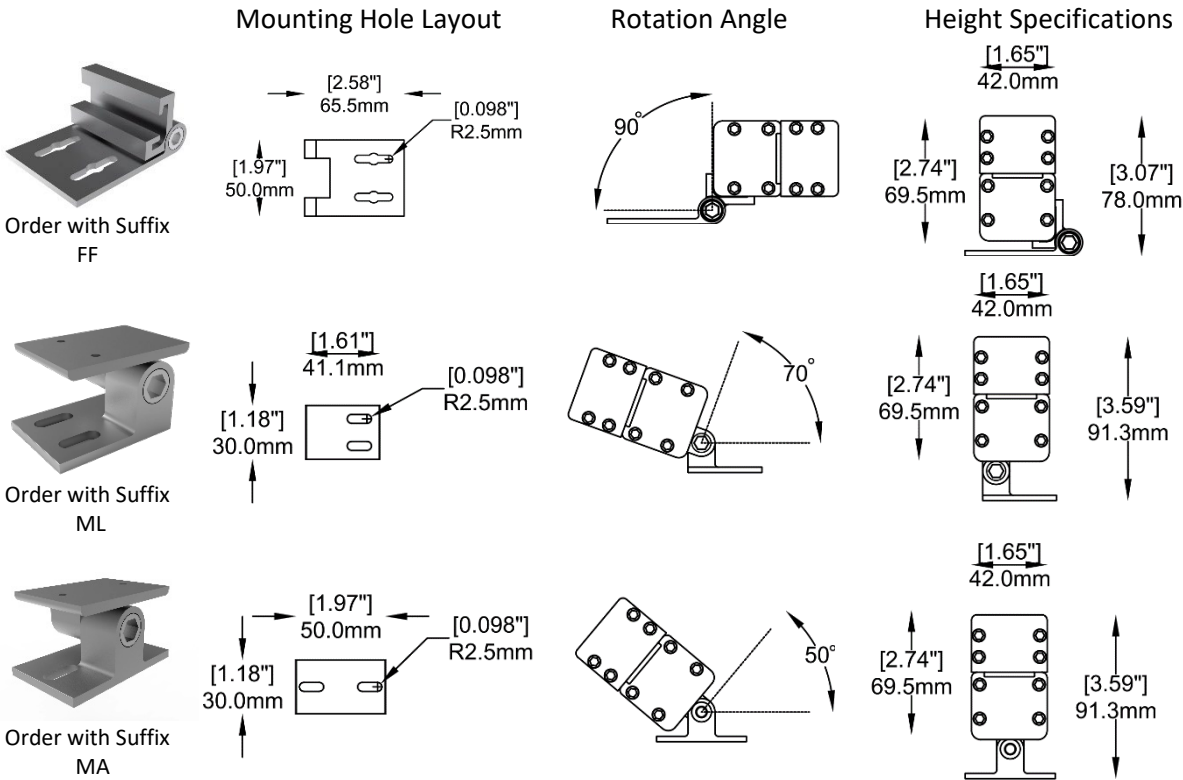
LENGTH: 600 – 600mm [23.62"], 900 – 900mm [35.43"], 1200 – 1200mm [47.24"]

FINISH: PW – White, PG – Grey, PB – Black, DG – Dark Grey

Noted: If not specified, the louver will be provided in the same length as the ordered fixture and in black as the default color.

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MOUNTING ACCESSORIES (Order with Fixture)



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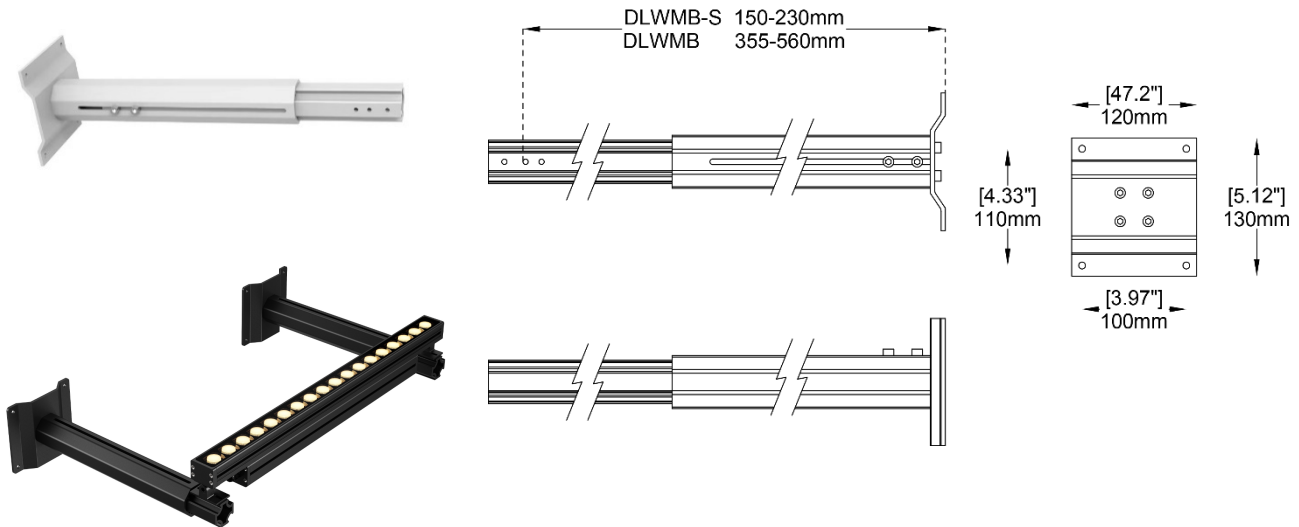
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MOUNTING ACCESSORIES (Order Separately)

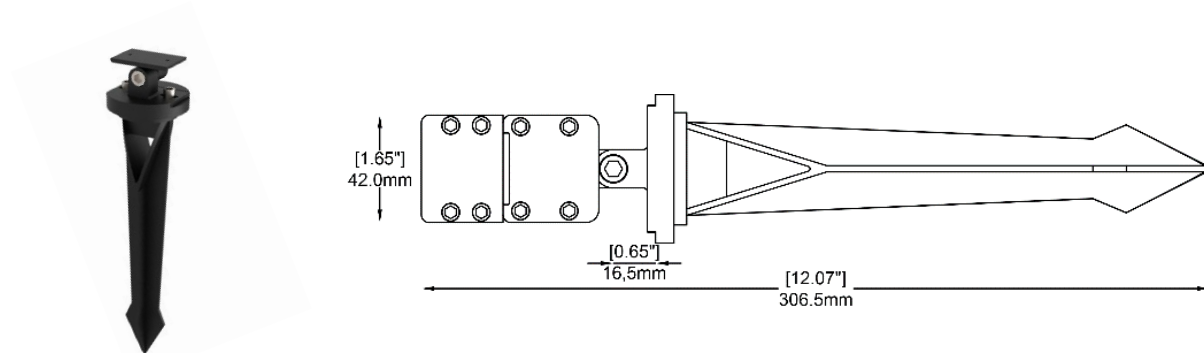
ITEM: DLWMB, DLWMB-S

Description: Adjustable Extended Arm Mounting



ITEM: BLMBA-SPIKE

Description: Mounting accessory for landscape lighting application



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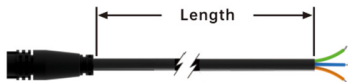
CABLING & CONNECTIVITY (Order Separately)

Leading Cable Set

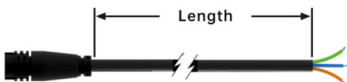
Function: Power and Signal Combined T-joint
ITEM: AC-LEADIN-336



Function: Power Lead-in
ITEM: ECACF-LENGTH-3pin-AREA



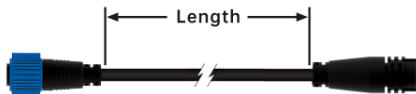
Function: Signal Lead-in
ITEM: ECDCF(SHIELD)-LENGTH-3pin



LENGTH: 300–300mm[0.98’], 2000–2000mm[6.56’], 6000–6000mm[19.66’], 15000–15000mm[49.21’]
AREA: EU–Europe, US– USA

Interlink Cable

Function: Power and Data Combined Extension
ITEM: ECACL-LENGTH-6pin



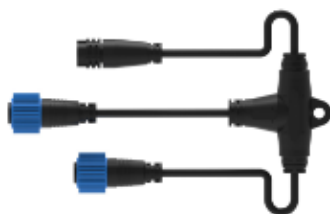
LENGTH: 300–300mm[0.98’], 2000–2000mm[6.56’], 6000–6000mm[19.66’]

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TERMINATION & JUNCTIONS (Order Separately)

Power Injector

Function: Power Injector
ITEM: AC-P-INJECT-636



DMX Terminator

Function: DMX Terminator
ITEM: DMX-Term-AC-6pin



End Cap

Dim: DALI
Function: IP Rated End Cap
ITEM: ENDCAP-AC-6PIN



FIXTURE SPACING AND CABLE MANAGEMENT



Parameter	Specification
Default Spacing	Nominal 20mm (± tolerance)
Extended Spacing Options	1, Use Standard Interlink Cable Length (300mm, 2000mm, 6000mm)
	2, Customize Interlink Cable Length
	3, Customize Loop-in Cable

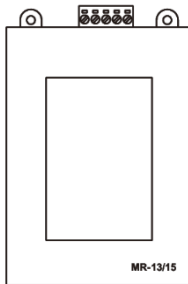
Note: The **default nominal spacing between lighting fixtures is 20mm**. Extended spacing options are available through, **standard interlink cables, custom interlink cables or customized loop-in cables**. Proper planning of spacing and cable lengths is essential to ensure seamless installation and optimal performance.

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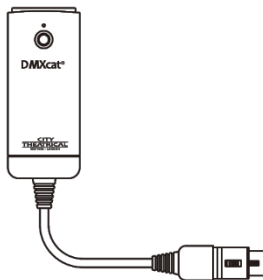
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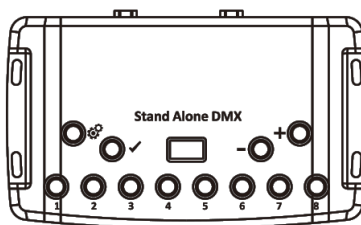
DMX and RDM Control Accessories (Order Separately)



Item: MR-WT25
Brand: MR Technology
Function: DMX Address Writer and Tester
Description: A portable, handheld device supporting DMX 512 and RDM protocols, allowing for DMX channel programming, testing, and control with a USB Type-C power supply.



Item: DMXcat™
Brand: City Theatrical
Function: RDM Address Writer and Tester
Description: A compact, battery-powered tool for DMX and RDM control via Bluetooth, supporting DMX testing, RDM monitoring, and DIP switch configuration through a smartphone app.



Item: LPSA 512
Brand: Chromateq
Function: DMX Controller
Description: The Chromateq LPSA512 is a compact DMX interface with 512 channels, offering scene storage and playback without a computer. It supports real-time clock and IR control, ideal for smaller setups.

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PARTCODE BUILDER

EXAMPLE CODE: **BLM-TW.06.1860.2040.RDM-FF-PG-US**

Series	Length	CCT	Optic	Control	Mounting Option	Finish	Area
BLM-TW BlazeLine Mini Tunable White	06 600mm	2240 2200K - 4000K	15 15°	DALI DALI	FF BLFF: Adjustable Flip Flop Mounting	PW White	EU EUROPE
	09 900mm	1860 1800K - 6000K	30 30°	DMX DMX	MA BLMBA: Adjustable Mounting	PG Grey	US USA
	12 1200mm		60 60°	RDM RDM	ML BLMBA-L: L-Shape Adjustable Mounting	DG Dark Grey	
			2040 20°x40°	LM LumiMax™		PB Black	

Remarks:

- LumiMax™ is set to the DALI version by default
- LumiMax™ is not accessible in the DMX version
- Customized optic available
- Customized marine-grade coating available
- Customized RAL color coating available

Luminoscape regularly enhances its optics for ongoing product improvement. Luminoscape reserves the right to modify the optics without prior notice. For repeated or project orders requiring the same optic and control; kindly include the relevant Luminoscape invoice number (LS-INVxxxxx) in the purchase order.

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Statement of Limited Warranty

Disclaimer of Warranty:

Luminoscape products are tested and manufactured to meet the highest quality standards. We offer a limited warranty that covers defects in materials and workmanship for a period of 5 years from the date of purchase for standard products, and 3 years for inground and customized products. For customized products, please consult your sales representative for confirmation of warranty terms. The determination of whether a product is defective will be made by Luminoscape. Should any product be deemed defective in materials or workmanship, Luminoscape will, at its discretion, repair or replace the product at no charge. Luminoscape reserves the right to use similar, new, repaired, or remanufactured products or parts as part of this limited warranty process.

This warranty is expressly limited to the repair or replacement of the product. In no case shall the total remedy exceed the purchase price of the defective product. Luminoscape shall not be liable for any incidental or consequential damages arising from or related to the use of the products.

Warranty Period:

Luminoscape provides a standard warranty of 5 years for our products. For inground and customized orders, the warranty period is 3 years. In exceptional cases, further details regarding the warranty period may be discussed with your sales representative.

Warranty Protection:

This limited warranty does not apply where

- Products that have been improperly modified, adjusted, repaired or any alterations.
- Products that are damaged due to improper installation or connection not in accordance with the product wiring diagram.
- Products that have been improperly modified, adjusted, repaired or any alterations.
- Damage from any "Acts of God" includes floods, lightning, landslides, earthquakes, tornadoes, hurricanes and wildfires.
- Damage results from electrical power surges and spikes.
- Products used in an inappropriate environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range.
- Electrical power surges and spikes.
- Products are damaged due to chemical exposure or corrosion.
- Products have exceeded their operational lifespan as specified in the product documentation.
- Please consult your sales representative for any specific warranty questions or concerns.

Remark: No distributor or supplier of Luminoscape has the authority to modify or amend this Limited Warranty. This warranty may not be transferred or assigned by the original end user.