

BlazeLine Slim
RGBW Discrete Source



Date: _____ Quantity: _____
Company: _____
Project: _____

The BlazeLine Slim RGBW Discrete Source delivers precise, consistent color rendering over distance, making it ideal for architectural applications. Available in three standard lengths, it offers flexibility with discrete RGBW LEDs ensuring color accuracy.

FEATURES

- 33mm compact profile for sleek designs
- Discrete layout ensures color consistency
- Available in both low voltage and line voltage
- Optional louvers for precise glare management
- Suitable for architectural and façade lighting

PERFORMANCE AND COMPLIANCE





QUICK SPEC

Color Options	RED, GREEN, BLUE Single Chip with W in 2700K, 3000K, 4000K, 6500K
Length	300mm [11.81"], 600mm [23.62"], 900mm [25.43"], 1200mm [47.24"]
Optics	25°, 30°, 50°, 30°x50°
Power Consumption	12W(300mm), 24W(600mm), 36W(900mm), 48W(1200mm)
Voltage	24V, 100-277VAC 50/60Hz
Dimming	DMX, RDM

Noted: LumiMax™ only available in RDM control

ENVIRONMENT

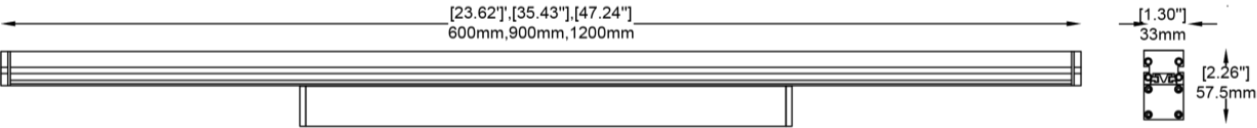
Storage Temperature	-30°C to 60°C
Operating Temperature	-20°C to 50°C
Ingress Protection Rating	IP66

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.

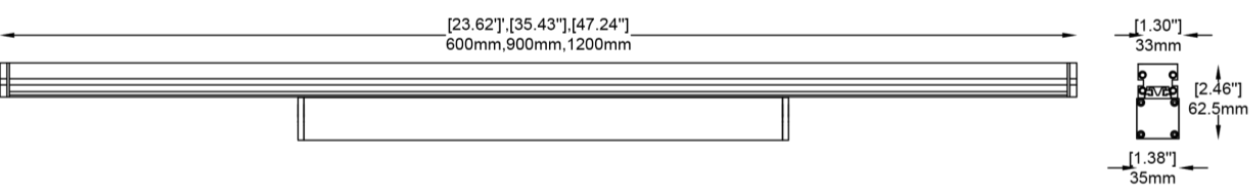
BlazeLine Slim
RGBW Discrete Source

DIMENSIONS

Low Voltage:



Line Voltage:



MAXIMUM DAISY CHAIN LIMITS

Low Voltage:

Power/ft	Input Voltage	Max. run length includes power feed to the end of the fixtures in the daisy chain	Max. no of assorted length of fixtures can be clustered on a single contiguous run	Max. power allowable in a daisy chain
12W	24V	15 Meters	10 pcs	120W

Line Voltage:

Power/ft	Region	Main Voltage	Max. power	Max. no. of 4 ft fixtures	Max. Cable Length (Leading + Interlink)
12W	US	120V	1080W	22 nos.	20 Meters
12W	EU	220-240V	1980W	41 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.

BlazeLine Slim

RGBW Discrete Source

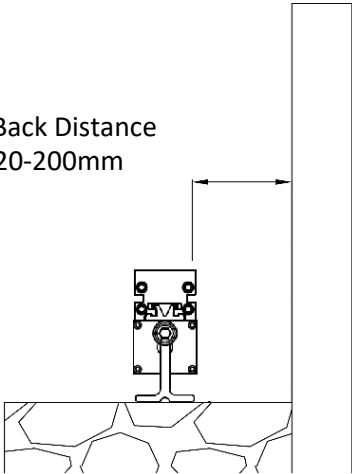
SET BACK DISTANCE

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

Set Back Distance
20-200mm



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.

CABLE CORE COLOR CODING (Line Voltage)

Line Voltage:

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

BlazeLine Slim
RGBW Discrete Source

CABLE CORE COLOR CODING (Low Voltage)

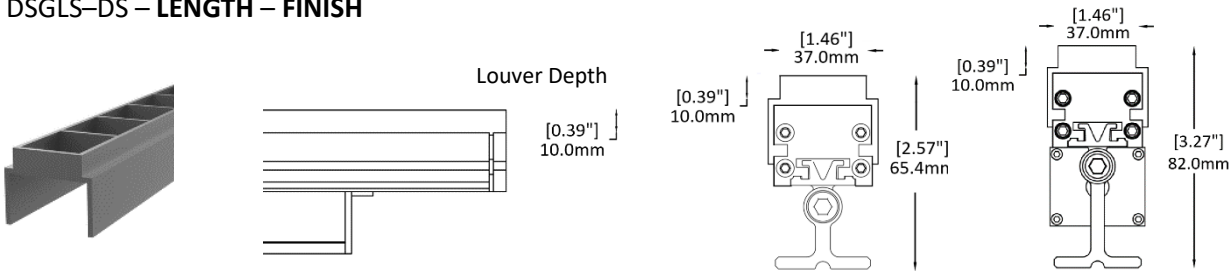
Low Voltage:

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

ANTI-GLARE ACCESSORIES (Order Separately)

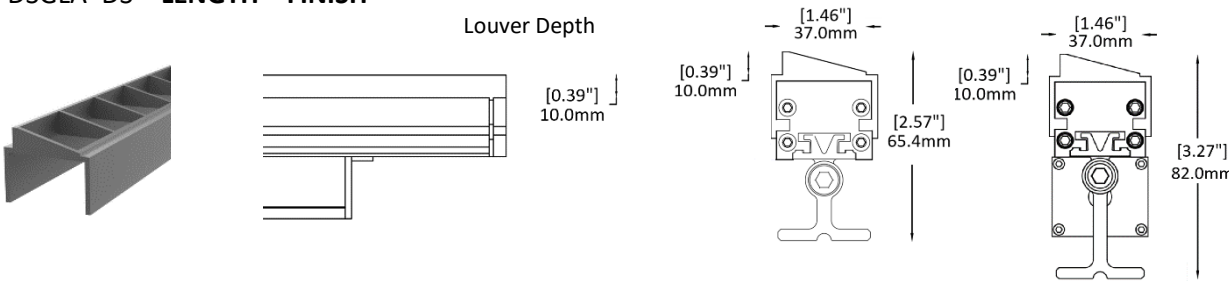
Symmetric Louver for BlazeLine Slim RGBW Combined Source

ITEM: DSGLS-DS – LENGTH – FINISH



Asymmetric Louver for BlazeLine Slim RGBW Combined Source

ITEM: DSGLA-DS – LENGTH – FINISH



Selection Guide:

LENGTH: 300 – 300mm [11.81"], 600 – 600mm [23.62"],
900 – 900mm [25.43"], 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.

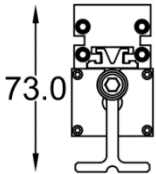
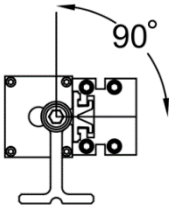
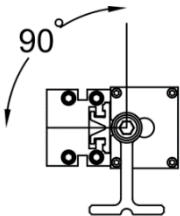
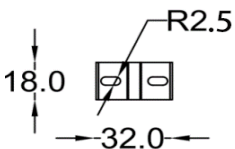
BlazeLine Slim
RGBW Discrete Source

MOUNTING ACCESSORIES (Order with Fixture)

Mounting Hole Layout

Rotation Angle

Height Specifications

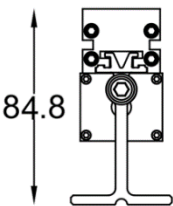
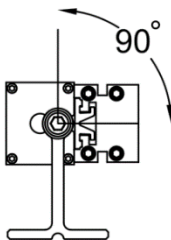
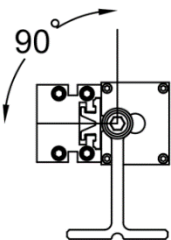
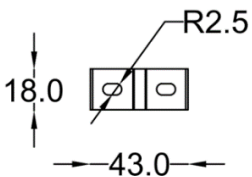


Oder with Suffix
MB73

Mounting Hole Layout

Rotation Angle

Height Specifications

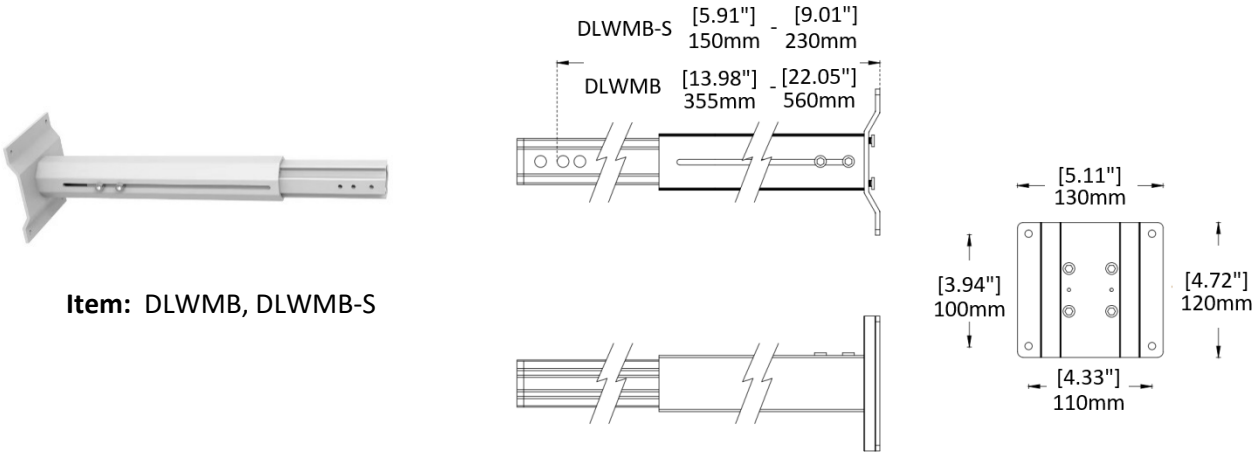


Oder with Suffix
MB85

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.

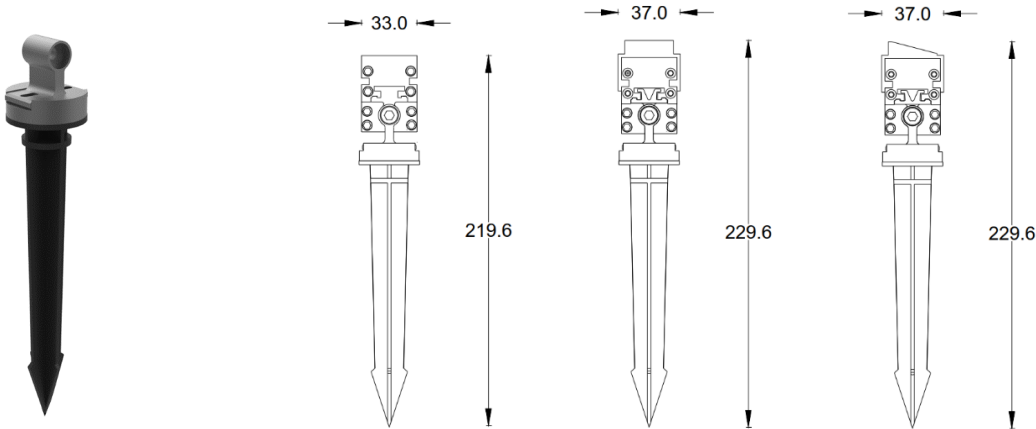
BlazeLine Slim
RGBW Discrete Source

MOUNTING ACCESSORIES (Order Separately)



Item: DLWMB, DLWMB-S

- ITEM: DLWMB-S
ITEM: DLWMB
- Wall mount option for application that requires wall mounting with length 150mm – 230mm
Wall mount option for application that requires wall mounting with length 355mm – 560mm



ITEM: DSMBA-SPIKE

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.

BlazeLine Slim

RGBW Discrete Source

CABLING & CONNECTIVITY - Low Voltage (Order Separately)

Leading Cable Set

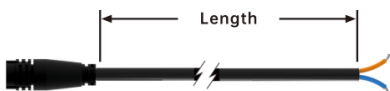
Function: Power and Signal Combined T-joint

ITEM: DC-LEADIN-235



Function: Power Lead-in

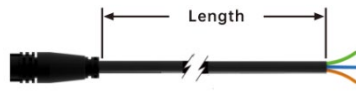
ITEM: ECDCF-LENGTH-2pin-AREA



LENGTH: 300–300mm[0.98'], 1800–1800mm[5.91'],
6000–6000mm[19.66']

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']

Interlink Cable

Function: Power and Data Combined Extension

ITEM: ECDCL-LENGTH-5pin



LENGTH: 300–300mm[0.98'], 600–600mm[1.97'],
1800–1800mm[5.91']

DMX Terminator

Function: DMX Terminator

ITEM: DMX-Term-DC-5pin-M



BlazeLine Slim

RGBW Discrete Source

CABLING & CONNECTIVITY - Line Voltage (Order Separately)

Leading Cable Set

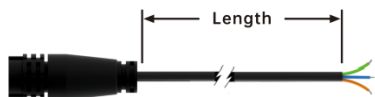
Function: Power and Signal Combined T-joint

ITEM: AC-LEADIN-336



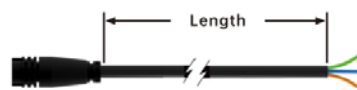
Function: Power Lead-in

ITEM: ECACF-LENGTH-3pin



Function: Signal Lead-in

ITEM: ECDCF(SHIELD)-LENGTH-3pin

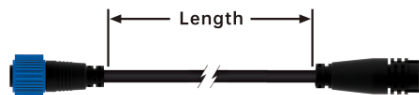


LENGTH: 300-300mm[0.98'], 2000-2000mm[6.56'], 6000-6000mm[19.66'], 15000-15000mm[49.21']

Interlink Cable

Function: Power and Data Combined Extension

ITEM: ECACL-LENGTH-6pin



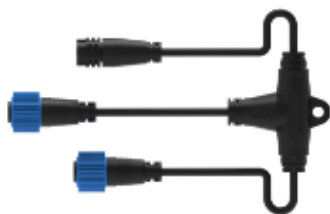
LENGTH: 300-300mm[0.98'], 2000-2000mm[6.56'], 6000-6000mm[19.66']

BlazeLine Slim

RGBW Discrete Source

TERMINATION & JUNCTIONS - LINE VOLTAGE (Order Separately)

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



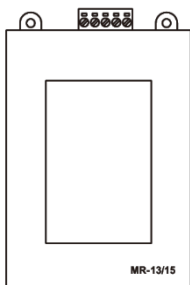
Function: DMX Terminator
ITEM: DMX-Term-AC-6pin



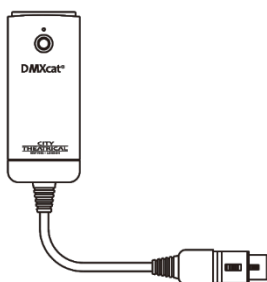
BlazeLine Slim

RGBW Discrete Source

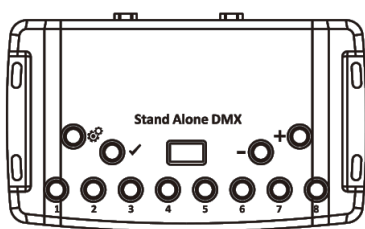
DMX and RDM Control Accessories (Order Separately)



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.

BlazeLine Slim
RGBW Discrete Source

PARTCODE BUILDER

EXAMPLE CODE: DS-DS.06.27.50.DMX-MB73-PB-US

Series	Length	CCT	Optic	Control	Mounting Option	Finish	Area
DS-DS BlazeLine Slim RGBW Discrete Low Voltage	03 300mm	27 2700K	25 25°	DMX DMX	MB73 Adjustable Mounting Bracket (Overall Height 73mm)	PW White	EU EUROPE
DSP-DS BlazeLine Slim RGBW Discrete Line Voltage	06 600mm	30 3000K	30 30°	RDM RDM	MB85 Adjustable Mounting Bracket (Overall Height 85mm)	PG Grey	US USA
	09 900mm	40 4000K	50 50°	LM LumiMax™		DG Dark Grey	
	12 1200mm	65 6500K	3050 30°x50°			PB Black	

Remarks:

- 300mm length only available in low voltage version
- LumiMax™ is exclusively available in the RDM 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.

BlazeLine Slim

RGBW Discrete Source

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.