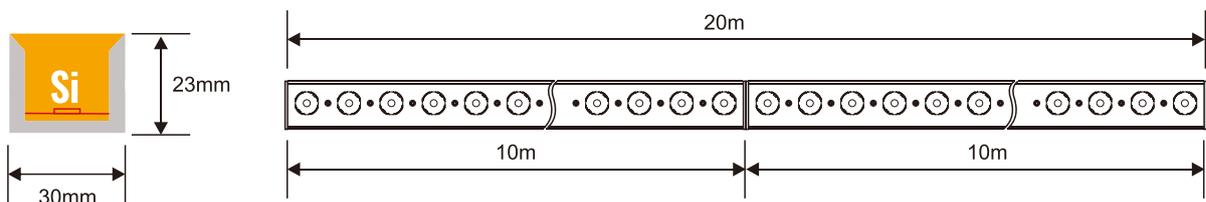


VL-FLWW-3D-M30 (Grazer Max series - 3D bend)



FEATURES

Flexible Grazer 3D bend, multi-light customization, supports vertical/horizontal bending (140mm curve radius, 100mm wave radius) to fit complex contours, breaking traditional linear limits.

IP67-rated, ideal for architectural decoration, landscape lighting, and commercial ambiance creation. It is equipped with various optical lenses, making it the perfect solution for grazing straight, wave, and curved surfaces.

Optics & Electronics

Beam angle available in 10°, 15°, 20°, 25°, 30°, 40°, 50°, 25*50°, 45*30°.

LED with 3-step MacAdam and CRI 90+ guaranteeing consistency and high quality of light.

Customization

Endless fixture length configurations allow for the ultimate freedom of design.

Front, bottom and side cable entry options available for different install options.

Life Cycle

Long lifetime of L70B10>54,000 hours with Five-year limited warranty indoor and outdoor.

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SPECIFICATION LOGIC						
FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-FLWW-3D-M30	25W/m	Production length - 10m Maximum length - 20m	MONO RGBW DMX	24VDC 48VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-FLWW-3D-M30-20m-RGBW-SS

PRODUCT SPECIFICATIONS		
		MONO
Electrical	Power	25W/m
	Input Voltage	24VDC
Physical	Minimum Length	250mm
	Width x Height	30mm x 23mm
	Body Finish	Premium silicone / grey or white
	Bend Direction	Vertical and Horizontal
	Bend Radius	140mm(curve), 100mm(wave)
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Beam Angle	10°, 15°, 20°, 25°, 30°, 40°, 50°, 25*50°, 45*30°
	Lumen Output	1,900Lm/m(3000K) 2,000Lm/m(4000K) 2,127Lm/m(6500K)
Temperature Range	Efficacy	80Lm/W(CRI90, 4000K)
	Lumen Maintenance	L70B10@54,000 hours
	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

VL-FLWW-3D-M30 (Grazer Max series - 3D bend)



PRODUCT SPECIFICATIONS

		RGBW	
Electrical	Power	25W/m	
	Input Voltage	24VDC	48VDC
Physical	Minimum Length	250mm	
	Width x Height	30mm x 23mm	
	Body Finish	Premium silicone / grey or white	
	Bend Direction	Vertical and Horizontal	
	Bend Radius	140mm(curve), 100mm(wave)	
	Max run length	5m	20m
	Cable Entry Options	Front, Side, Bottom	
	Fixture Connections	IP67 injection-moulded input and end cap	
Optical	LED Type	5050 LED	
	Control Protocol	PWM or Dali	
	Beam Angle	25°, 30°, 40°, 50°, 25*50°, 45*30°	
	Lumen Output	RGBW: 1,000Lm/m	
	Efficacy	40Lm/W	
Temperature Range	Lumen Maintenance	L70B10@54,000 hours	
	Storage Temperature	-25°Cmin, 60°Cmax	
	Max Ambient Temperature	50°C	
	Min Ambient Temperature	-25°C	

PRODUCT SPECIFICATIONS

		RGBW-DMX	
Electrical	Power	25W/m	
	Input Voltage	24VDC	
Physical	Minimum Length	250mm	
	Width x Height	30mm x 23mm	
	Body Finish	Premium silicone / grey or white	
	Bend Direction	Vertical and Horizontal	
	Bend Radius	140mm(curve), 100mm(wave)	
	No. of Pixels	4 pixels/m, IC code UCS 512H4LB	
	Cable Entry Options	Front, Side, Bottom	
	Fixture Connections	IP67 injection-moulded input and end cap	
Optical	LED Type	5050 LED	
	Control Protocol	DMX512	
	Beam Angle	25°, 30°, 40°, 50°, 25*50°, 45*30°	
	Lumen Output	RGBW: 1,000Lm/m	
	Efficacy	40Lm/W	
Temperature Range	Lumen Maintenance	L70B10@54,000 hours	
	Storage Temperature	-25°Cmin, 60°Cmax	
	Max Ambient Temperature	50°C	
	Min Ambient Temperature	-25°C	

VL-FLWW-3D-M30 (Grazer Max series - 3D bend)



Light Distribution

Light distribution example

Narrow



Beam Angle 15°



D=50mm



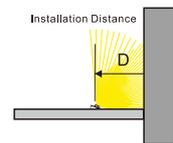
D=100mm



D=200mm



D=300mm



Medium



Beam Angle 30°



D=50mm



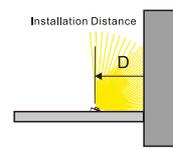
D=100mm



D=200mm



D=300mm



Wide



Beam Angle 50°



D=50mm



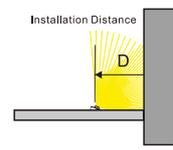
D=100mm



D=200mm



D=300mm

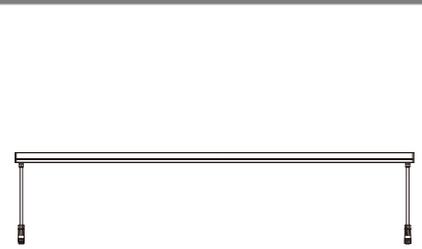
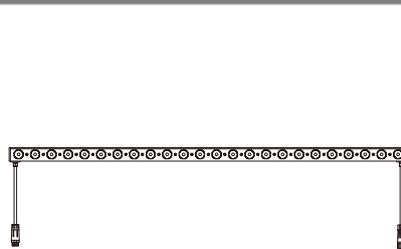


CABLE ENTRY OPTION EXAMPLES

FF-Front+Front

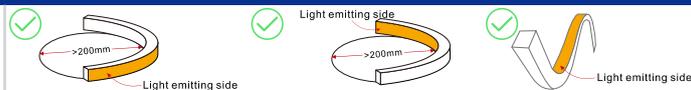
SS - side + side

BB - bottom + bottom

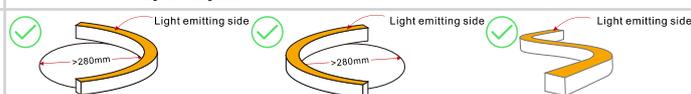


BENDING INSTRUCTION

Bending in wave form - vertical



Bending in curve form - horizontal



TWIST <math><180^\circ</math>

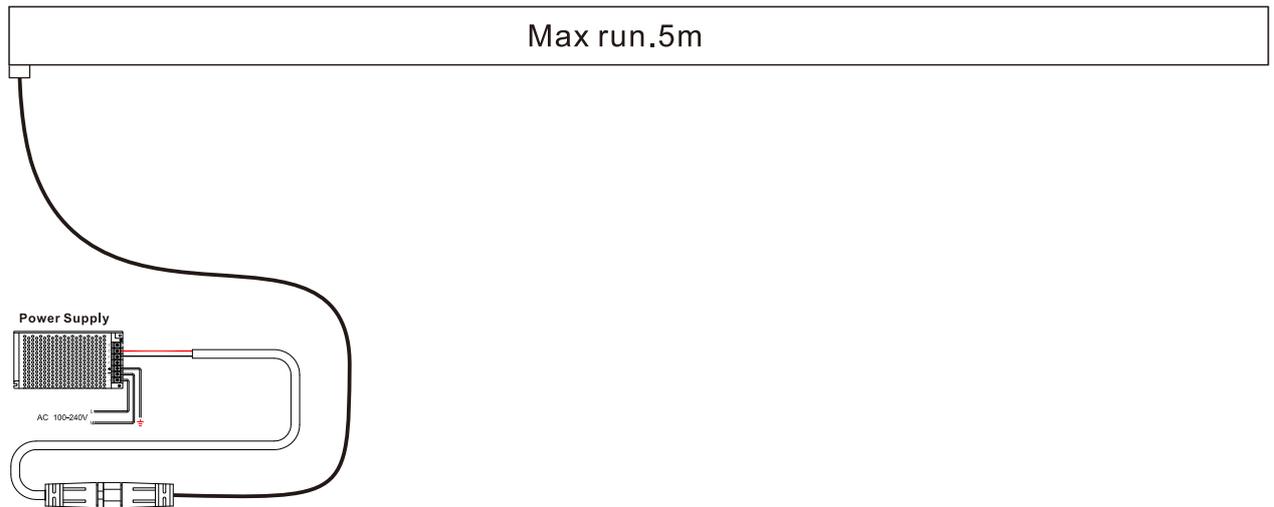


VL-FLWW-3D-M30 (Grazer Max series - 3D bend)

WIRING ELECTRICAL DIAGRAM

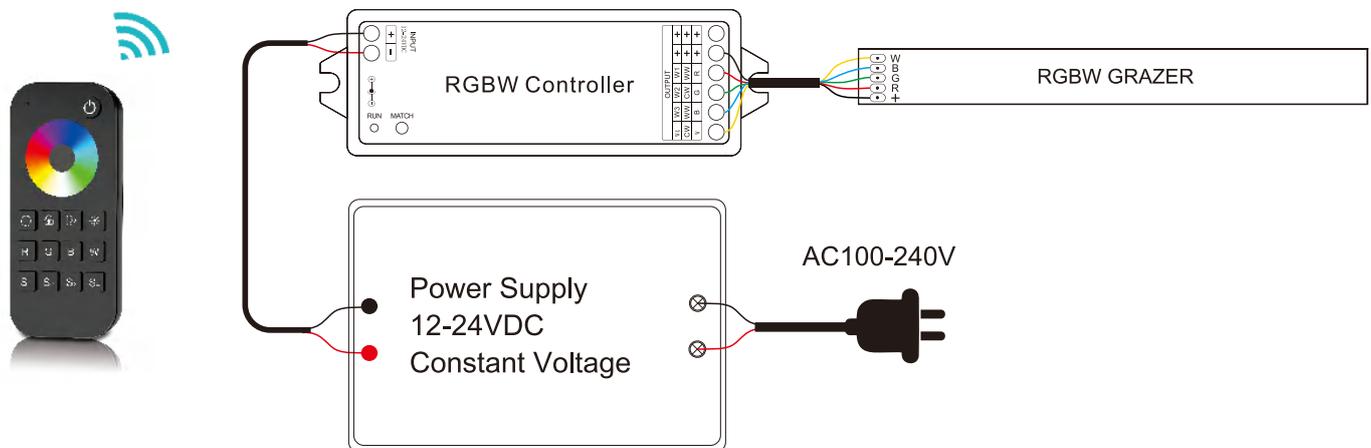
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

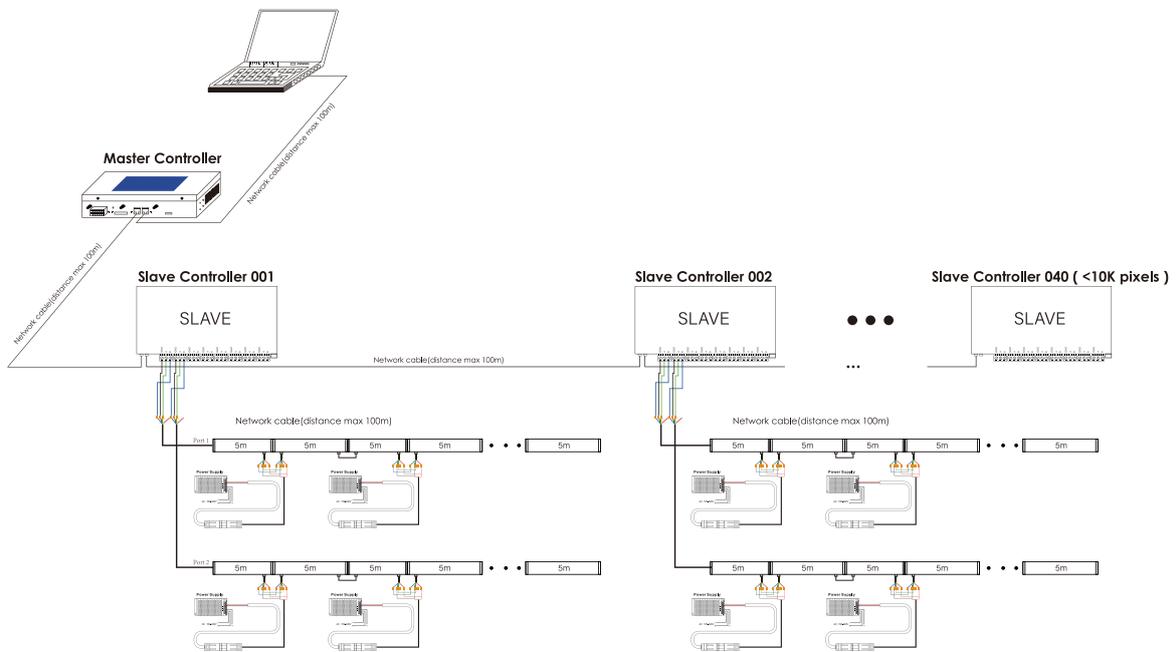
RGBW



VL-FLWW-3D-M30 (Grazer Max series - 3D bend)

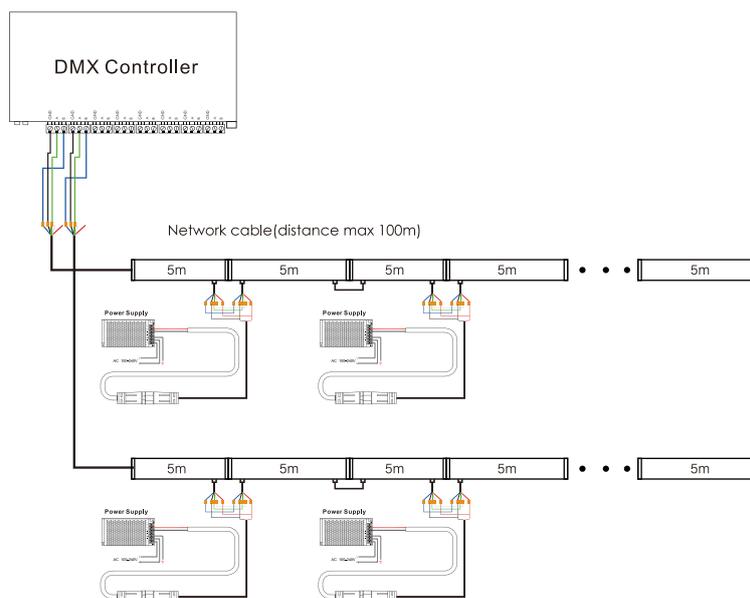
WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online



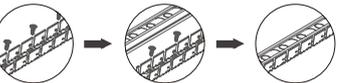
WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline



VL-FLWW-3D-M30 (Grazer Max series - 3D bend)



PROFILES AND MOUNTING OPTIONS			
FRONT CLIPS			
	EXAMPLES OF INSTALLATION 	PART NUMBER 3023-FC	DETAILS FC- Front mounting clips
MOUNTING CLIPS			
	EXAMPLES OF INSTALLATION 	PART NUMBER 3023-MC	DETAILS MC- Mounting clips
ALUMINUM PROFILE			
	EXAMPLES OF INSTALLATION 	PART NUMBER 3023 - FAP * _ MM	DETAILS FAP - Aluminum profile
BENDABLE PROFILE			
	EXAMPLES OF INSTALLATION 	PART NUMBER 3023 - BSP * _ MM	DETAILS BSP- Bendable profile
ADJUSTABLE BRACKET			
 120° adjustable bracket	EXAMPLES OF INSTALLATION 	PART NUMBER 3023 -BRK	DETAILS BRK- Bracket