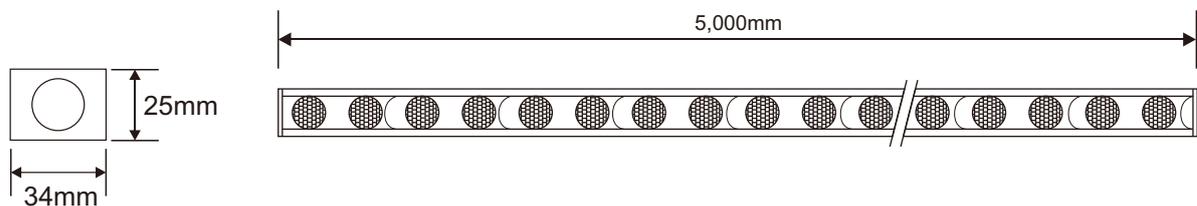
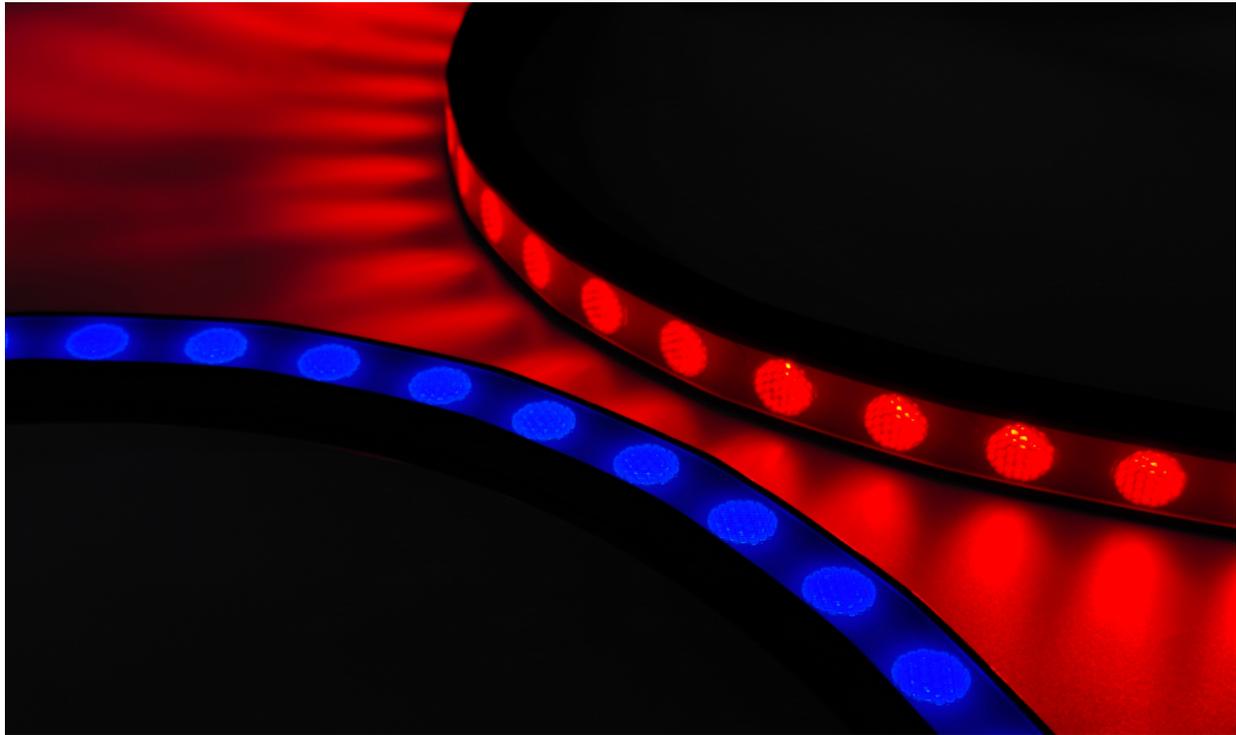


# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)



## FEATURES

Flexible Grazer 3D bend, IP67-rated suitable both indoor and outdoor, equipped with various optical lens ideal for uniform and precise illumination, making it the perfect solution for grazing straight and wave and curve surfaces.

### Optics & Electronics

Beam angle available in 10°, 15°, 20°, 25°, 30°, 40°, 50°, 25\*40°, 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 5-year warranty.

# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)



SPECIFICATION LOGIC							
FAMILY	POWER W/m	NOMINAL LENGTH	CCT	BEAM ANGLE	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-FLWW-3D-M34	25W/m	Minimum length - <b>250mm</b> Maximum length - <b>5m</b> Increments length - <b>250mm</b>	<b>MONO</b> ● <b>RGBW</b> ●●● <b>DMX</b> ●●●●	<b>A10</b> - 10° <b>A15</b> - 15° <b>A20</b> - 20° <b>A25</b> - 25° <b>A30</b> - 30° <b>A40</b> - 40° <b>A50</b> - 50° <b>A25*40</b> - 25*40° <b>A25*50</b> - 25*50° <b>A45*30</b> - 45*30°	<b>24VDC</b>	<b>FM</b> - Female + Male connector	<b>IP67</b>

Order example: VL-FLWW-3D-M34-5m-927K-SS

With HoneyComb

PRODUCT SPECIFICATIONS ●								
		MONO						
Electrical	Power	25W/m						
	Input Voltage	24VDC						
Physical	Minimum Length	250mm						
	Width x Height	34mm x 25mm						
	Body Finish	Premium silicone / grey or white						
	Bend Direction	Vertical and Horizontal						
	Bend Radius	140mm(curve), 100mm(wave)						
	Control protocol	0-10V or PWM or Dali						
	Max per run	5m						
Optical	Fixture Connections	IP67 injection-moulded input and end cap						
	LED Type	2835 LED						
	Beam Angle	10°	15°	20°	25°	30°	40°	25*40°
	Lumen Output (CRI>80, @4000K)	850Lm/m	960Lm/m	1,060Lm/m	850Lm/m	850Lm/m	640Lm/m	850Lm/m
	Efficacy (CRI>80, @4000K)	34Lm/W	38Lm/W	42Lm/W	34Lm/W	34Lm/W	26Lm/W	34Lm/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-M34 (Grazer Max series - 3D bend)



PRODUCT SPECIFICATIONS 						
		RGBW				
Electrical	Power	25W/m				
	Input Voltage	24VDC				
Physical	Minimum Length	250mm				
	Width x Height	34mm x 25mm				
	Body Finish	Premium silicone / grey or white				
	Bend Direction	Vertical and Horizontal				
	Bend Radius	140mm(curve), 100mm(wave)				
	Control protocol	PWM or Dali				
	Max per run	5m				
	Fixture Connections	IP67 injection-moulded input and end cap				
Optical	LED Type	2835 LED				
	Beam Angle	20°	25°	30°	40°	25*40°
	Lumen Output (RGBW)	592Lm/m	470Lm/m	470Lm/m	350Lm/m	470Lm/m
	Efficacy (RGBW)	24Lm/W	19Lm/W	19Lm/W	14Lm/W	19Lm/W
	Lumen Maintenance	L70B10@54,000 hours				
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax				
	Max Ambient Temperature	50°C				
	Min Ambient Temperature	-25°C				

PRODUCT SPECIFICATIONS 						
		RGBW-SPI				
Electrical	Power	25W/m				
	Input Voltage	24VDC				
Physical	Minimum Length	250mm				
	Width x Height	34mm x 25mm				
	Body Finish	Premium silicone / grey or white				
	Bend Direction	Vertical and Horizontal				
	Bend Radius	140mm(curve), 100mm(wave)				
	Control protocol	SPI				
	No. of Pixels	4pixels/m, IC code UCS7804H				
	Fixture Connections	IP67 injection-moulded input and end cap				
Optical	LED Type	2835 LED				
	Beam Angle	20°	25°	30°	40°	25*40°
	Lumen Output (RGBW)	592Lm/m	470Lm/m	470Lm/m	1,170Lm/m	470Lm/m
	Efficacy (RGBW)	24Lm/W	19Lm/W	19Lm/W	47Lm/W	19Lm/W
	Lumen Maintenance	L70B10@54,000 hours				
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax				
	Max Ambient Temperature	50°C				
	Min Ambient Temperature	-25°C				

# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)



PRODUCT SPECIFICATIONS 		
		RGBW-DMX
Electrical	Power	25W/m
	Input Voltage	24VDC
Physical	Minimum Length	250mm
	Width x Height	34mm x 25mm
	Body Finish	Premium silicone / grey or white
	Bend Direction	Vertical and Horizontal
	Bend Radius	140mm(curve), 100mm(wave)
	Control protocol	DMX512
	No. of Pixels	4pixels/m, IC code UCS2904
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	2835 LED
	Beam Angle	25°, 40°, 50°, 25*50°, 45*30°
	Lumen Output	RGBW: 940Lm/m
	Efficacy	37Lm/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

## Without HoneyComb

PRODUCT SPECIFICATIONS 		
		MONO
Electrical	Power	25W/m
	Input Voltage	24VDC
Physical	Minimum Length	250mm
	Width x Height	34mm x 25mm
	Body Finish	Premium silicone / grey or white
	Bend Direction	Vertical and Horizontal
	Bend Radius	140mm(curve), 100mm(wave)
	Control protocol	0-10V or PWM or Dali
	Max per run	5m
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	2835 LED
	Beam Angle	10°    15°    20°    25°    30°    40°    50°    25*50°
	Lumen Output (CRI>80, @4000K)	1,490Lm/m    1,590Lm/m    1,910Lm/m    1,700Lm/m    1,700Lm/m    1,700Lm/m    1,700Lm/m    1,700Lm/m
	Efficacy (CRI>80, @4000K)	60Lm/W    64Lm/W    76Lm/W    68Lm/W    68Lm/W    68Lm/W    68Lm/W    68Lm/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-M34 (Grazer Max series - 3D bend)



PRODUCT SPECIFICATIONS 							
		RGBW					
Electrical	Power	25W/m					
	Input Voltage	24VDC					
Physical	Minimum Length	250mm					
	Width x Height	34mm x 25mm					
	Body Finish	Premium silicone / grey or white					
	Bend Direction	Vertical and Horizontal					
	Bend Radius	140mm(curve), 100mm(wave)					
	Control protocol	PWM or Dali					
	Max per run	5m					
	Fixture Connections	IP67 injection-moulded input and end cap					
Optical	LED Type	2835 LED					
	Beam Angle	20°	25°	30°	40°	50°	25*50°
	Lumen Output (RGBW)	1,170Lm/m	1,060Lm/m	1,060Lm/m	1,060Lm/m	1,060Lm/m	1,060Lm/m
	Efficacy (RGBW)	47Lm/W	42Lm/W	42Lm/W	42Lm/W	42Lm/W	42Lm/W
	Lumen Maintenance	L70B10@54,000 hours					
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax					
	Max Ambient Temperature	50°C					
	Min Ambient Temperature	-25°C					

PRODUCT SPECIFICATIONS 						
		RGBW-SPI				
Electrical	Power	25W/m				
	Input Voltage	24VDC				
Physical	Minimum Length	250mm				
	Width x Height	34mm x 25mm				
	Body Finish	Premium silicone / grey or white				
	Bend Direction	Vertical and Horizontal				
	Bend Radius	140mm(curve), 100mm(wave)				
	Control protocol	SPI				
	No. of Pixels	4pixels/m, IC code UCS7804H				
	Fixture Connections	IP67 injection-moulded input and end cap				
Optical	LED Type	2835 LED				
	Beam Angle	20°	25°	30°	40°	25*50°
	Lumen Output (RGBW)	592Lm/m	470Lm/m	470Lm/m	1,170Lm/m	470Lm/m
	Efficacy (RGBW)	24Lm/W	19Lm/W	19Lm/W	47Lm/W	19Lm/W
	Lumen Maintenance	L70B10@54,000 hours				
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax				
	Max Ambient Temperature	50°C				
	Min Ambient Temperature	-25°C				

# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)



PRODUCT SPECIFICATIONS 		
		RGBW-DMX
Electrical	Power	25W/m
	Input Voltage	24VDC
Physical	Minimum Length	250mm
	Width x Height	34mm x 25mm
	Body Finish	Premium silicone / grey or white
	Bend Direction	Vertical and Horizontal
	Bend Radius	140mm(curve), 100mm(wave)
	Control protocol	DMX512
	No. of Pixels	4pixels/m, IC code UCS2904
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Beam Angle	25°, 40°, 50°, 25*50°, 45*30°
	Lumen Output	RGBW: 940Lm/m
	Efficacy	37Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)



## Light Distribution

### Light distribution example

Narrow



Beam Angle 15°



D=50mm



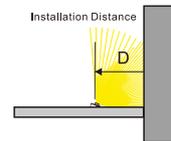
D=100mm



D=200mm



D=300mm



Medium



Beam Angle 30°



D=50mm



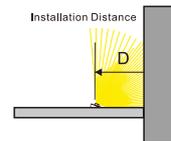
D=100mm



D=200mm



D=300mm



Wide



Beam Angle 50°



D=50mm



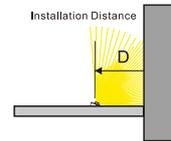
D=100mm



D=200mm

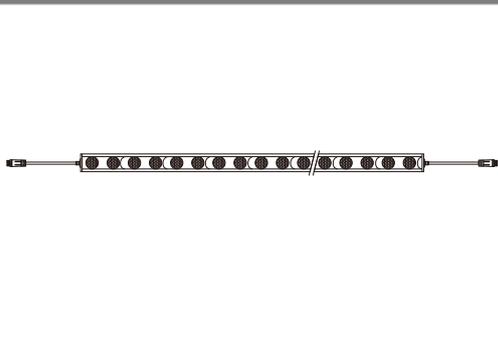


D=300mm

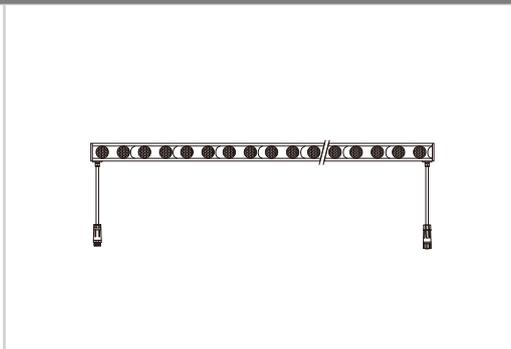


## CABLE ENTRY OPTION EXAMPLES

F-Front+Front



SS - side + side

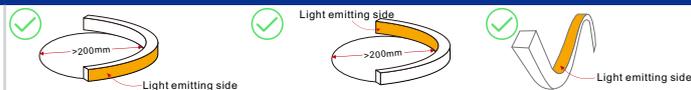


BB - bottom + bottom

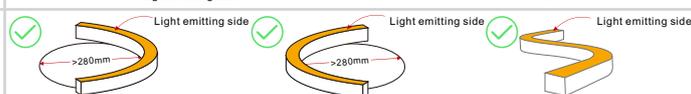


## BENDING INSTRUCTION

Bending in wave form - vertical



Bending in curve form - horizontal



TWIST <180°



# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)



## PROFILES AND MOUNTING OPTIONS

### FRONT CLIPS



#### EXAMPLES OF INSTALLATION



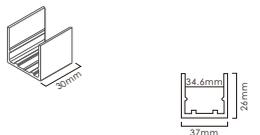
#### PART NUMBER

3425-FC

#### DETAILS

FC- Front mounting clips

### MOUNTING CLIPS



#### EXAMPLES OF INSTALLATION



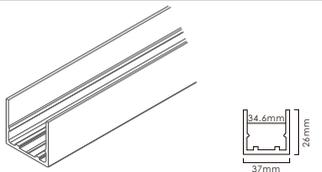
#### PART NUMBER

3425-MC

#### DETAILS

MC- Mounting clips

### ALUMINUM PROFILE



#### EXAMPLES OF INSTALLATION



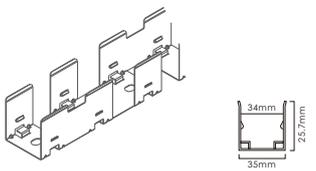
#### PART NUMBER

3425 - FAP \* \_ MM

#### DETAILS

FAP - Aluminum profile

### BENDABLE PROFILE



#### EXAMPLES OF INSTALLATION



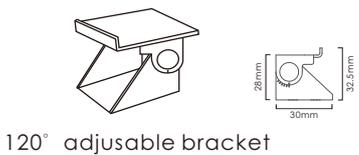
#### PART NUMBER

3425 - BSP \* \_ MM

#### DETAILS

BSP- Bendable profile

### ADJUSTABLE BRACKET



#### EXAMPLES OF INSTALLATION



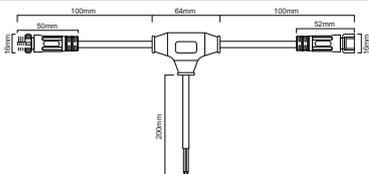
#### PART NUMBER

3425 -BRK

#### DETAILS

BRK- Bracket

### T-TYPE CABLE



#### EXAMPLES OF INSTALLATION

-

#### PART NUMBER

3425 - TC

#### DETAILS

TC- T-type Cable

### EXTENSION CABLE



Extension cable for signal transmission, disconnect positive wire.

#### EXAMPLES OF INSTALLATION

-

#### PART NUMBER

3425 - EC

#### DETAILS

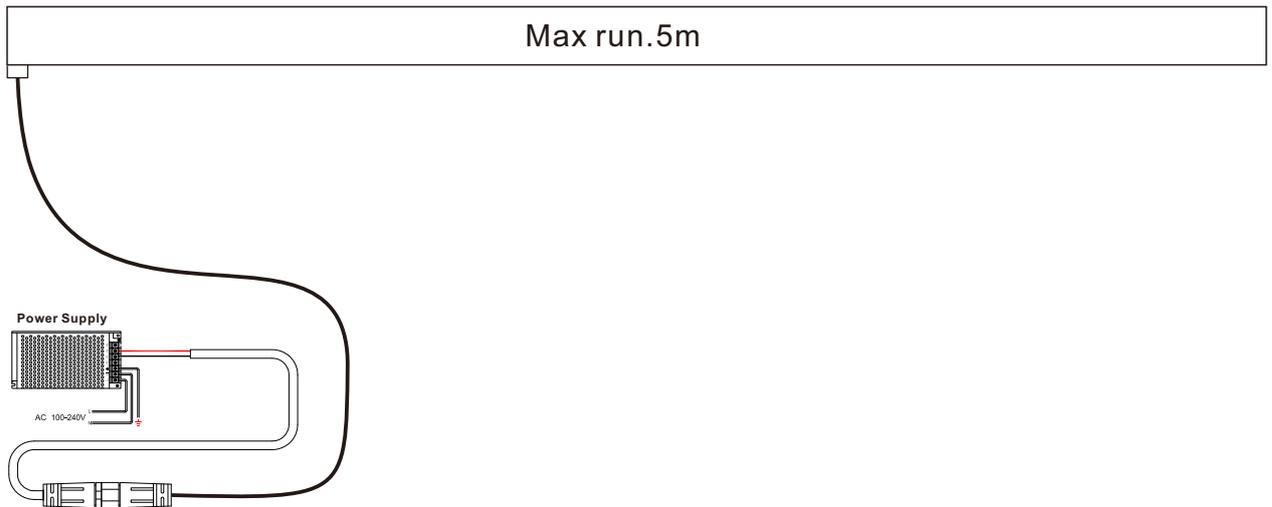
EC- Extension Cable

# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)

## WIRING ELECTRICAL DIAGRAM

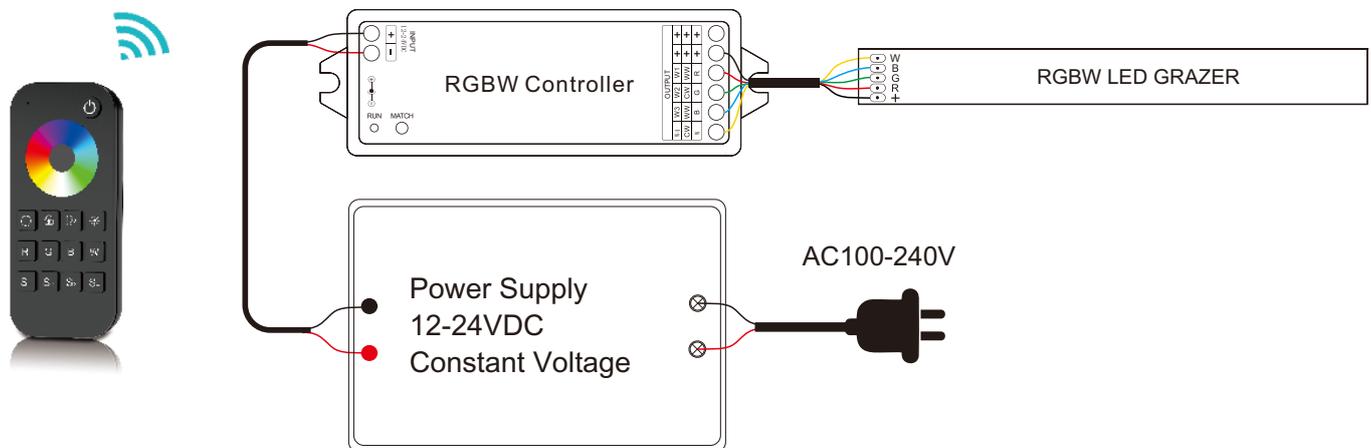
### MONO

Input by one end



## WIRING ELECTRICAL DIAGRAM

### RGBW



# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)

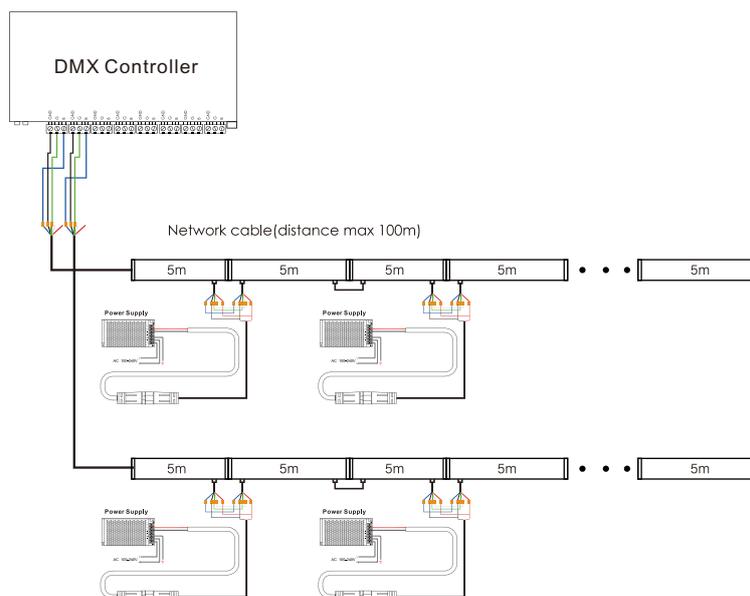
## WIRING ELECTRICAL DIAGRAM

### RGBW-SPI



## WIRING ELECTRICAL DIAGRAM

### RGBW-DMX-Offline



# VL-FLWW-3D-M34 (Grazer Max series - 3D bend)

## WIRING ELECTRICAL DIAGRAM

### RGBW-DMX-Online

