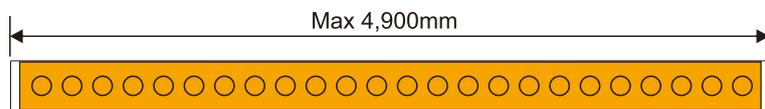
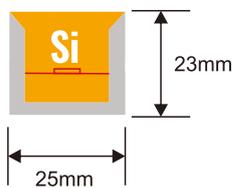
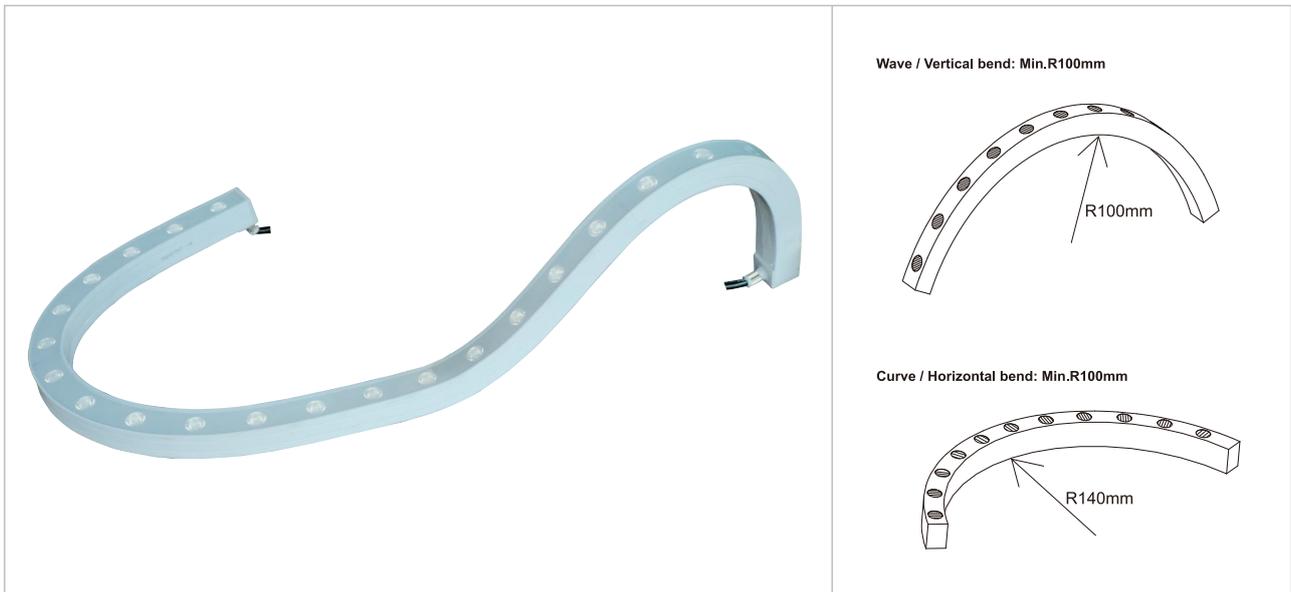


VL-FLWW-3D-G2 (Grazer Max series - 3D bend)



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 35°, 20*55°, 25*40°, 10*65°, 37*42°, 32*39°.
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-G2 (Grazer Max series - 3D bend)



| SPECIFICATION LOGIC | | | | | | |
|---------------------|----------------|-----------------------|---|---------------|---|-------------|
| FAMILY | POWER W/m | NOMINAL LENGTH | Light Color | INPUT VOLTAGE | CABLE ENTRY | IP RATING |
| VL-FLWW-3D-G2 | 18W/m 24W/m | Maximum length - 4.9m | MONO TW RGB RGBW DMX | 24VDC | FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed | IP67 |

Order example: VL-FLWW-3D-G2-927K-4.9m-SS

| PRODUCT SPECIFICATIONS | | |
|------------------------|-------------------------|--|
| | | MONO |
| Electrical | Power | 18W/m |
| | Input Voltage | 24VDC |
| Physical | Minimum Length | 41mm |
| | Width x Height | 25mm x 23mm |
| | Body Finish | Premium silicone / Grey |
| | Bend Direction | Vertical and Horizontal |
| | Bend Radius | 140mm(curve), 100mm(wave) |
| | Control protocol | 0-10V or PWM or Dali |
| | Max per run | 4.9m |
| | Fixture Connections | IP67 injection-moulded input and end cap |
| Optical | LED Type | 3030 LED |
| | Beam Angle | 35°, 20*55°, 25*40°, 10*65° |
| | Lumen Output | 1,197Lm/m(3000K) 1,260Lm/m(4000K) 1,532Lm/m(6500K) |
| | Efficacy | 70Lm/W (CRI90, 4000K) |
| | 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-G2 (Grazer Max series - 3D bend)



| PRODUCT SPECIFICATIONS  | | |
|--|-------------------------|--|
| | | Tunable white |
| Electrical | Power | 24W/m |
| | Input Voltage | 24VDC |
| Physical | Minimum Length | 41mm |
| | Width x Height | 25mm x 23mm |
| | Body Finish | Premium silicone / Grey |
| | Bend Direction | Vertical and Horizontal |
| | Bend Radius | 140mm(curve), 100mm(wave) |
| | Control protocol | 0-10V or PWM or Dali |
| | Max per run | 4.9m |
| | Fixture Connections | IP67 injection-moulded input and end cap |
| Optical | LED Type | 3030 LED |
| | Beam Angle | 35°, 20*55°, 25*40°, 10*65° |
| | Lumen Output | 900Lm/m(2700K) 1,440Lm/m(4000K) 960Lm/m(6500K) |
| | Efficacy | 80Lm/W (CRI90, 4000K) |
| | 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  | | |
|--|-------------------------|--|
| | | RGB |
| Electrical | Power | 18W/m |
| | Input Voltage | 24VDC |
| Physical | Minimum Length | 250mm |
| | Width x Height | 25mm x 23mm |
| | Body Finish | Premium silicone / Grey |
| | Bend Direction | Vertical and Horizontal |
| | Bend Radius | 140mm(curve), 100mm(wave) |
| | Control protocol | PWM or Dali |
| | Max per run | 4.9m |
| | Fixture Connections | IP67 injection-moulded input and end cap |
| Optical | LED Type | 5050 LED |
| | Beam Angle | 35°, 20*55°, 25*40°, 10*65° |
| | Lumen Output | RGB: 450Lm/m |
| | Efficacy | 25Lm/W (RGB) |
| 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-G2 (Grazer Max series - 3D bend)



| PRODUCT SPECIFICATIONS  | | |
|--|-------------------------|--|
| | | RGBW |
| Electrical | Power | 24W/m |
| | Input Voltage | 24VDC |
| Physical | Minimum Length | 250mm |
| | Width x Height | 25mm x 23mm |
| | Body Finish | Premium silicone / Grey |
| | Bend Direction | Vertical and Horizontal |
| | Bend Radius | 140mm(curve), 100mm(wave) |
| | Control protocol | PWM or Dali |
| | Max per run | 4.9m |
| | Fixture Connections | IP67 injection-moulded input and end cap |
| Optical | LED Type | 5050 LED |
| | Beam Angle | 35°, 37*42°, 32*39° |
| | Lumen Output | RGBW: 720Lm/m |
| | Efficacy | 30Lm/W (RGBW) |
| | 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-DMX |
| Electrical | Power | 24W/m |
| | Input Voltage | 24VDC |
| Physical | Minimum Length | 250mm |
| | Width x Height | 25mm x 23mm |
| | Body Finish | Premium silicone / Grey |
| | 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 | 35°, 37*42°, 32*39° |
| | Lumen Output | RGBW: 720Lm/m |
| | Efficacy | 30Lm/W (RGBW) |
| | 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-G2 (Grazer Max series - 3D bend)

Light Distribution

Light distribution example

Medium



Beam Angle 35°



D=50mm



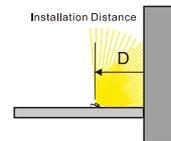
D=100mm



D=200mm

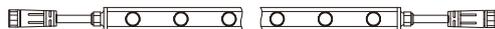


D=300mm

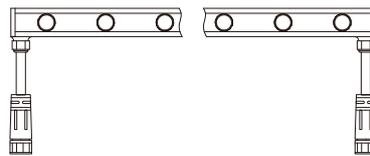


CABLE ENTRY OPTION EXAMPLES

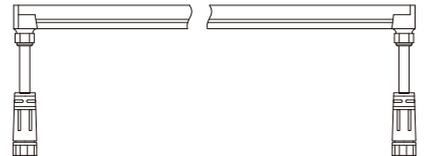
F-Front+Front



SS - side + side

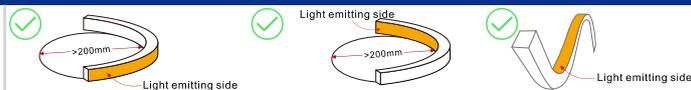


BB - bottom + bottom



BENDING INSTRUCTION

Bending in wave form - vertical



Bending in curve form - horizontal



TWIST <180°



VL-FLWW-3D-G2 (Grazer Max series - 3D bend)



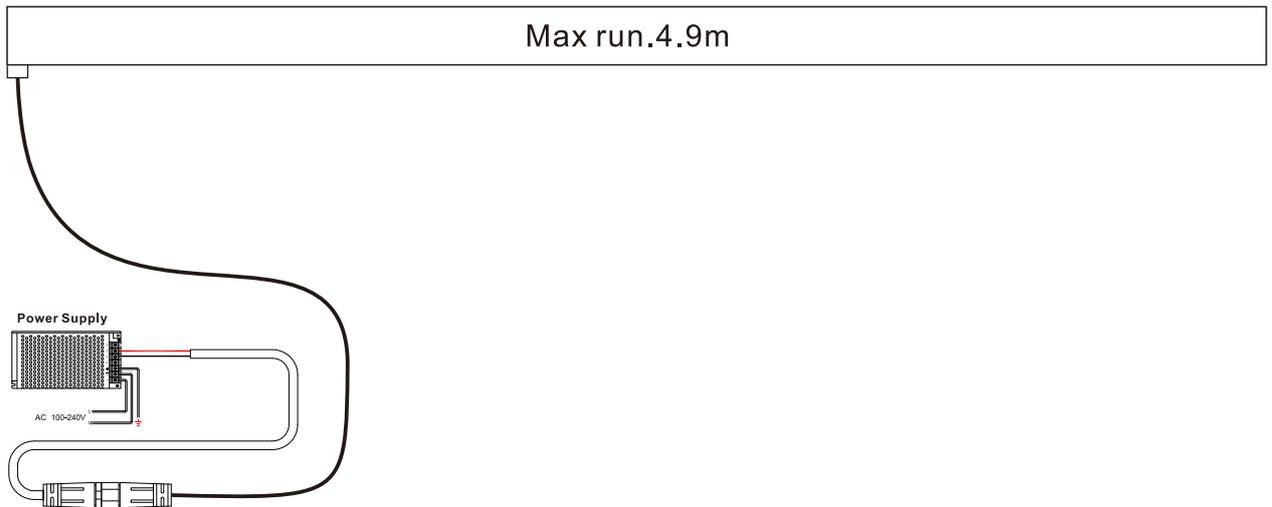
| PROFILES AND MOUNTING OPTIONS | | | |
|-----------------------------------|--------------------------|---------------------|---|
| FIXED ALUMINUM PROFILE | | | |
| | EXAMPLES OF INSTALLATION | PART NUMBER | DETAILS |
| | | 2523-FAP- ____*MM | FAP- Fixed aluminum profile |
| BENDABLE PROFILE | | | |
| | EXAMPLES OF INSTALLATION | PART NUMBER | DETAILS |
| | | 2523-BDP- ____*MM | BSP- Bendable profile |
| ALUMINUM MOUNTING CLIPS | | | |
| | EXAMPLES OF INSTALLATION | PART NUMBER | DETAILS |
| | | 2523-AMC | AMC- Aluminum mounting clips |
| BRACKET | | | |
| | EXAMPLES OF INSTALLATION | PART NUMBER | DETAILS |
| | | 2523-BRK | BRK- Bracket |
| FIXED ALUMINUM PROFILE with visor | | | |
| | EXAMPLES OF INSTALLATION | PART NUMBER | DETAILS |
| | | 2523-FAP-V- ____*MM | FAP-V Fixed aluminum profile with visor |
| BENDABLE CHANNEL with visor | | | |
| | EXAMPLES OF INSTALLATION | PART NUMBER | DETAILS |
| | | 2523-BDP-V- ____*MM | BDP-V Bendable profile with visor |
| SILICON END CAP | | | |
| | EXAMPLES OF INSTALLATION | PART NUMBER | DETAILS |
| | | 2523-EC 2523-FEC | 2523-EC End cap 2523-FEC Feeding end cap |

VL-FLWW-3D-G2 (Grazer Max series - 3D bend)

WIRING ELECTRICAL DIAGRAM

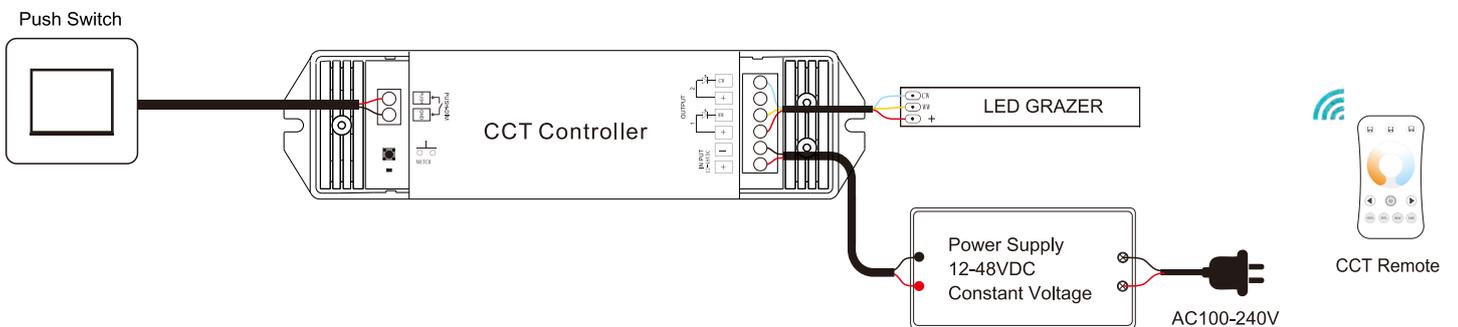
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

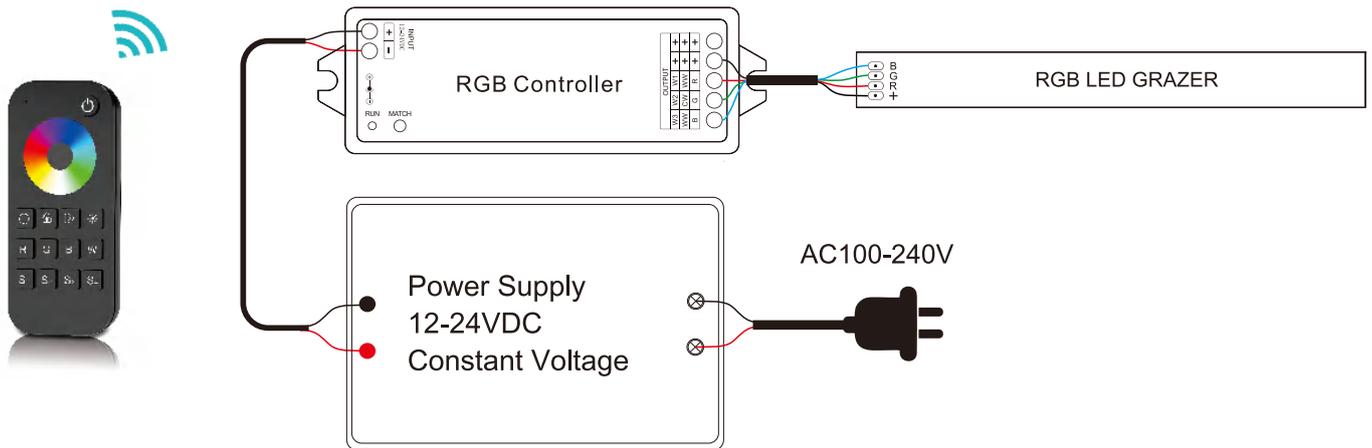
Tunable white



VL-FLWW-3D-G2 (Grazer Max series - 3D bend)

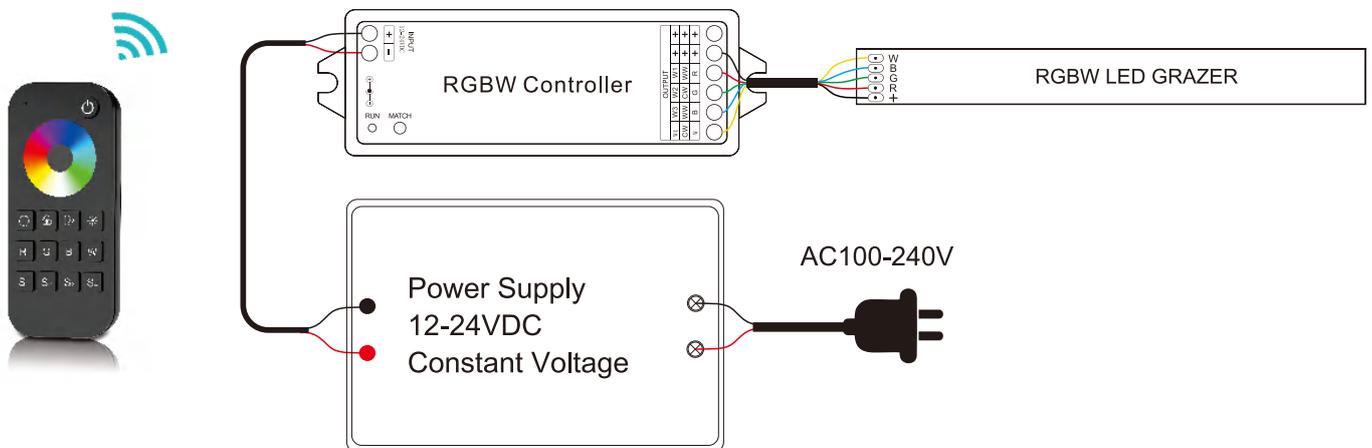
WIRING ELECTRICAL DIAGRAM

RGB



WIRING ELECTRICAL DIAGRAM

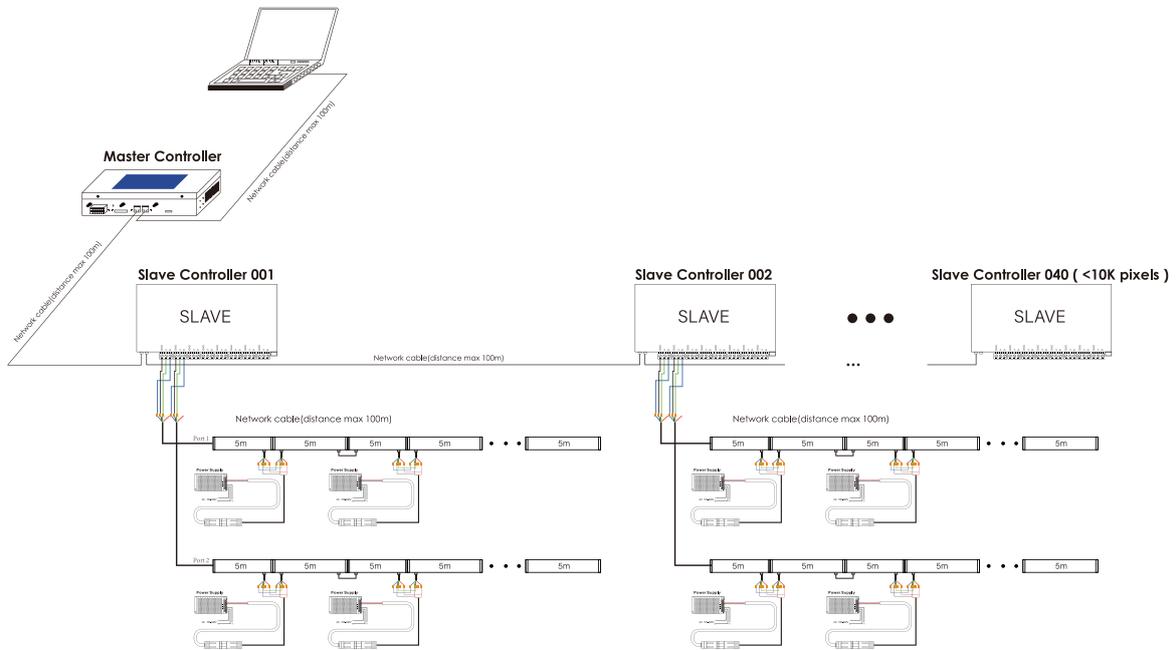
RGBW



VL-FLWW-3D-G2 (Grazer Max series - 3D bend)

WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline

