# DiGi Linear V-Series  Multi Color RGBW

The DiGi Linear V-Series delivers high-resolution pixel control for dynamic architectural displays, media facades, and entertainment installations requiring precise individual LED addressability. This advanced 48V fixture features an ultra-tight pixel pitch, offering exceptional resolution for detailed graphics and smooth RGBW color transitions.

Engineered with lightweight aluminum construction and comprehensive IP67 protection, the V-Series provides reliable performance for demanding outdoor installations.

↳ High-Resolution Pixel – 16.67mm pixel pitch with 60 individually controllable pixels per meter for detailed graphics and smooth transitions.

↳ Wide-Angle Coverage – Expansive 150° beam angle availability with lightweight aluminum construction for versatile installation applications.

CE    RoHS    IP67    IK08

## Specifications

### General

| | | |
|---|---|---|
| Power Consumption (W/900mm) | 15 | |
| Input Voltage (V DC) | 48 | |
| LEDs (/900mm) | 54 + 54 | |
| Pixels (/900mm) | 54 | |
| Pixel Pitch (mm) | 16,67 | |
| Channels (/900mm) | 216 | |
| Beam Angle (°) | Flat | 95 |
| | Dome, Square | 150 |
| LED Type | 3in1 + Discrete | |
| Color Range | RGBW | |
| CRI | ≥80 | |
| Control [1] | SPI | |
| Dimming | 8 bit | |

[1] Compatible SPI protocol can be found on the fixture.

### Installation Conditions & Lighting Data

| | | |
|---|---|---|
| Maximum Run Length Power [2] (m) | 23 | |
| Maximum Run Length Data [2] (m) | @30fps | 5,7 |
| | @50fps | 3,6 |
| Maximum Leader Cable Length [2] (m) | Up to 20 | |
| Delivered Lumen Full RGBW (lm) | 449 (RGBW2700K 1500mm Dome Opal) | |
| Lumen Maintenance Calculated Hours (h) | L70B10 50,000 | |

[2] More details can be found in the Installation Guide document.

### Operating

| | |
|---|---|
| Environment | Outdoor |
| Storage Temperature (°C) | –30 to +65 |
| Working Temperature (°C) | –20 to +55 |
| UV Resistant | Yes |
| Flame Resistant | Yes |
| IK Rating | IK08 |
| IP Rating | IP67 |
| Certification | CE, RoHS |
| Warranty | 3 Years |

### Physical

| | | |
|---|---|---|
| Housing Material | Aluminum (AW-6063) | |
| Cable Material | PCP | |
| Connector Material | Nylon (PA66) | |
| Cover Material | PC | |
| Housing Color | Grey (default) / Black / White | |
| Cable Color | Black | |
| Connector Type | M12 3Pin | |
| Weight (kg) | 300mm | 0,3 |
| | 600mm | 0,55 |
| | 900mm | 0,8 |
| | 1200mm | 1,2 |
| | 1500mm | 1,4 |
| Dimensions WxH (mm) | Flat | 32 x 18,3 |
| | Dome, Square | 46 x 18,3 |

## Options

### Color/CCT

☐ RGBW2700K
☐ RGBW3000K

### Length

☐ 300mm
☐ 600mm
☐ 900mm
☐ 1200mm
☐ 1500mm

### Covers

☐ Flat Opal
☐ Flat Transparent
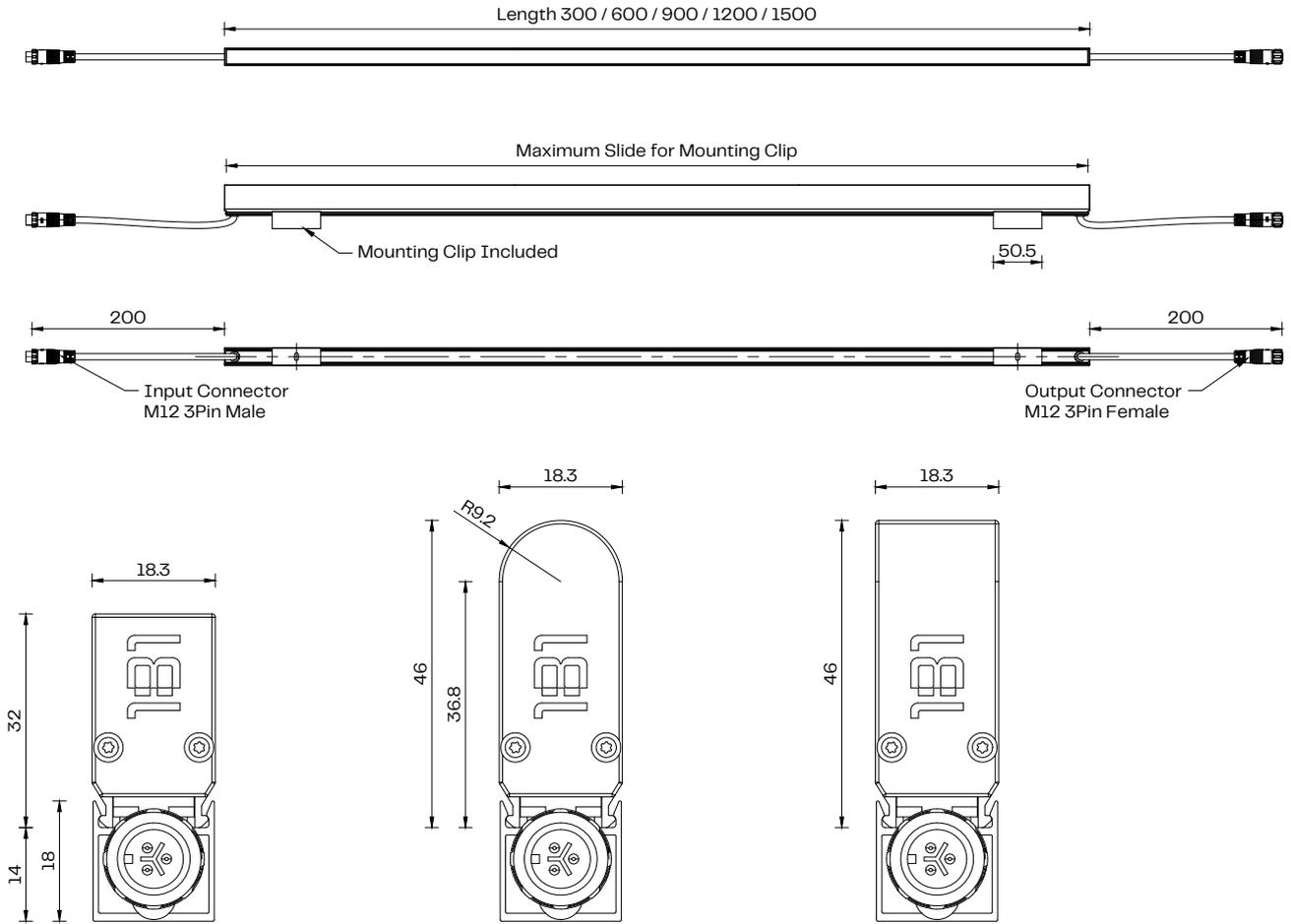☐ Dome Opal
☐ Square Opal

# Lighting Specifications

## DiGi Linear V-Series

| | Full RGBW (lm/m) | Red (lm/m) | Green (lm/m) | Blue (lm/m) | White (lm/m) |
|---|---|---|---|---|---|
| RGBW2700K 300mm Flat Opal | | | | | |
| RGBW2700K 300mm Flat Transparent | | | | | |
| RGBW2700K 300mm Dome Opal | 90 | 12 | 25 | 9 | 47 |
| RGBW2700K 300mm Square Opal | | | | | |
| RGBW2700K 600mm Flat Opal | | | | | |
| RGBW2700K 600mm Flat Transparent | | | | | |
| RGBW2700K 600mm Dome Opal | 179 | 25 | 50 | 17 | 95 |
| RGBW2700K 600mm Square Opal | | | | | |
| RGBW2700K 900mm Flat Opal | | | | | |
| RGBW2700K 900mm Flat Transparent | | | | | |
| RGBW2700K 900mm Dome Opal | 269 | 37 | 75 | 26 | 142 |
| RGBW2700K 900mm Square Opal | | | | | |
| RGBW2700K 1200mm Flat Opal | | | | | |
| RGBW2700K 1200mm Flat Transparent | | | | | |
| RGBW2700K 1200mm Dome Opal | 359 | 49 | 100 | 35 | 190 |
| RGBW2700K 1200mm Square Opal | | | | | |
| RGBW2700K 1500mm Flat Opal | | | | | |
| RGBW2700K 1500mm Flat Transparent | | | | | |
| RGBW2700K 1500mm Dome Opal | 449 | 62 | 125 | 44 | 237 |
| RGBW2700K 1500mm Square Opal | | | | | |
| RGBW3000K 300mm Flat Opal | | | | | |
| RGBW3000K 300mm Flat Transparent | | | | | |
| RGBW3000K 300mm Dome Opal | | | | | |
| RGBW3000K 300mm Square Opal | | | | | |
| RGBW3000K 600mm Flat Opal | | | | | |
| RGBW3000K 600mm Flat Transparent | | | | | |
| RGBW3000K 600mm Dome Opal | | | | | |
| RGBW3000K 600mm Square Opal | | | | | |
| RGBW3000K 900mm Flat Opal | | | | | |
| RGBW3000K 900mm Flat Transparent | | | | | |
| RGBW3000K 900mm Dome Opal | | | | | |
| RGBW3000K 900mm Square Opal | | | | | |
| RGBW3000K 1200mm Flat Opal | | | | | |
| RGBW3000K 1200mm Flat Transparent | | | | | |
| RGBW3000K 1200mm Dome Opal | | | | | |
| RGBW3000K 1200mm Square Opal | | | | | |
| RGBW3000K 1500mm Flat Opal | | | | | |
| RGBW3000K 1500mm Flat Transparent | | | | | |
| RGBW3000K 1500mm Dome Opal | | | | | |
| RGBW3000K 1500mm Square Opal | | | | | |

# Photometric Distribution

# Dimensions

DiGi Linear V-Series Multi Color [1]

Length 300 / 600 / 900 / 1200 / 1500

Maximum Slide for Mounting Clip

Mounting Clip Included

50.5

200

200

Input Connector
M12 3Pin Male
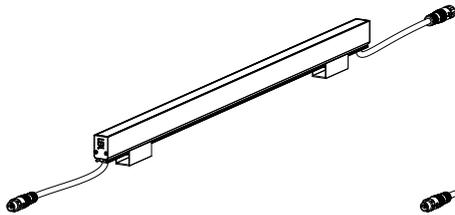
Output Connector
M12 3Pin Female

18.3

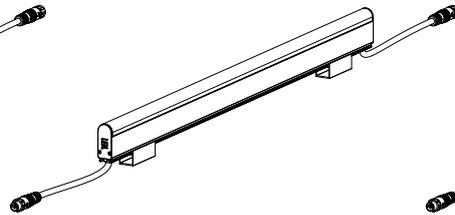R9.2

18.3

18.3

46

36.8

46

32

14    18

[1] The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.
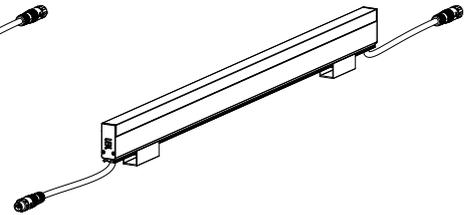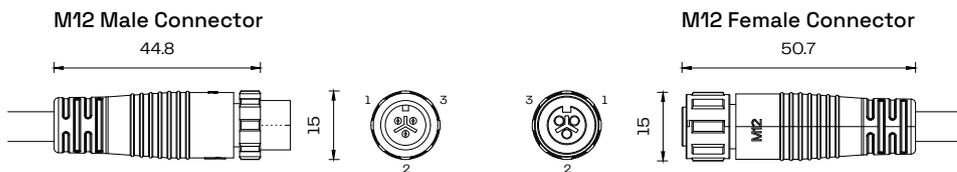
# Accessory Options

Flat Cover

Dome Cover

Square Cover

# Connection

M12 Male Connector

44.8

15

M12 Female Connector

50.7

15

M12

| Connector Pin | | |
|---|---|---|
| Pin 1 | Red | 48 V+ |
| Pin 2 | Green | Data |
| Pin 3 | Black | GND |

# Product References

## DiGi Linear

| Reference | Description |
|---|---|
| | DiGi Linear V-Series RGBW2700K 300mm Flat Opal |
| | DiGi Linear V-Series RGBW2700K 300mm Flat Transparent |
| 3555536 | DiGi Linear V-Series RGBW2700K 300mm Dome Opal |
| | DiGi Linear V-Series RGBW2700K 300mm Square Opal |
| | DiGi Linear V-Series RGBW2700K 600mm Flat Opal |
| | DiGi Linear V-Series RGBW2700K 600mm Flat Transparent |
| 3555537 | DiGi Linear V-Series RGBW2700K 600mm Dome Opal |
| | DiGi Linear V-Series RGBW2700K 600mm Square Opal |
| | DiGi Linear V-Series RGBW2700K 900mm Flat Opal |
| | DiGi Linear V-Series RGBW2700K 900mm Flat Transparent |
| 3555538 | DiGi Linear V-Series RGBW2700K 900mm Dome Opal |
| | DiGi Linear V-Series RGBW2700K 900mm Square Opal |
| | DiGi Linear V-Series RGBW2700K 1200mm Flat Opal |
| | DiGi Linear V-Series RGBW2700K 1200mm Flat Transparent |
| 3555539 | DiGi Linear V-Series RGBW2700K 1200mm Dome Opal |
| | DiGi Linear V-Series RGBW2700K 1200mm Square Opal |
| | DiGi Linear V-Series RGBW2700K 1500mm Flat Opal |
| | DiGi Linear V-Series RGBW2700K 1500mm Flat Transparent |
| 3555540 | DiGi Linear V-Series RGBW2700K 1500mm Dome Opal |
| | DiGi Linear V-Series RGBW2700K 1500mm Square Opal |
| | DiGi Linear V-Series RGBW3000K 300mm Flat Opal |
| | DiGi Linear V-Series RGBW3000K 300mm Flat Transparent |
| 3555541 | DiGi Linear V-Series RGBW3000K 300mm Dome Opal |
| | DiGi Linear V-Series RGBW3000K 300mm Square Opal |
| | DiGi Linear V-Series RGBW3000K 600mm Flat Opal |
| | DiGi Linear V-Series RGBW3000K 600mm Flat Transparent |
| 3555542 | DiGi Linear V-Series RGBW3000K 600mm Dome Opal |
| | DiGi Linear V-Series RGBW3000K 600mm Square Opal |
| | DiGi Linear V-Series RGBW3000K 900mm Flat Opal |
| | DiGi Linear V-Series RGBW3000K 900mm Flat Transparent |
| 3555543 | DiGi Linear V-Series RGBW3000K 900mm Dome Opal |
| | DiGi Linear V-Series RGBW3000K 900mm Square Opal |
| | DiGi Linear V-Series RGBW3000K 1200mm Flat Opal |
| | DiGi Linear V-Series RGBW3000K 1200mm Flat Transparent |
| 3555544 | DiGi Linear V-Series RGBW3000K 1200mm Dome Opal |
| | DiGi Linear V-Series RGBW3000K 1200mm Square Opal |
| | DiGi Linear V-Series RGBW3000K 1500mm Flat Opal |
| | DiGi Linear V-Series RGBW3000K 1500mm Flat Transparent |
| 3555545 | DiGi Linear V-Series RGBW3000K 1500mm Dome Opal |
| | DiGi Linear V-Series RGBW3000K 1500mm Square Opal |