

VALENT® RGBW 24V
Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.

Date <https://www.dioeled.com/valent-reg-x-rgbw.html>

Project Notes



FEATURES

- Dense LED placement for uninterrupted linear light
- RGB Tri-Chip and 3000K White Chip capable of billions of colors
- Controllable via DMX, Casambi, Touchdial, and other options
- 2 inch cuttable increments
- 7 Year limited warranty



ORDERING CODES

Order spools, and components for field assembly

OPTIONAL ORDERING CODES

Add Length, Assembly Preferences, and Finish

| | Voltage | Model | CCT | Length | Channels | | | | Finish | Mounting | | Driver | Delivery |
|----|---------|-------|----------------|--------------------|---------------|-----------------------|------------------------|------------------------|------------------|-----------------------|---------------------------|------------------------------|-----------------------------|
| DI | | | | | | | | | | | | | |
| | 24V | VL | RGBW (RGBW) | 016 (16.4 feet) | S1 (S1) | 16 (16mm Square) | 45DCO (45° Deco) | M12 (2-inch Mud-In) | AL (Aluminum) | 3M (3M Adhesive) | VC (Vertical Clip) | VLM (Constant Voltage) | Field Assembly |
| | | | | 100 (100 feet) | S2 (S2) | RC20 (20mm Round) | 90 (90° Sideview) | REC (Recessed) | BL (Black) | MC (Mounting Clip) | HNG (Hanging Hardware) | O/O (On / Off) | Factory + Field (Hybrid) |
| | | | | | S45 (S45) | SQ20 (20mm Square) | REF (Reflector) | WF (Waveform) | WH (White) | UC (U-Clip) | | PoE (Power over Ethernet) | Factory Assembly |
| | | | | | SL (Slim) | SQ (Square) | | ROD (Rod) | | RC (Rotating Clip) | | | |
| | | | | | CA (Canal) | 45 (45°) | M11 (1-inch Mud-In) | | | | | | |

24V VALENT® RGBW - SPECIFICATION TABLE

| Models | 24V-VL-RGBW |
|-----------------------|--|
| Voltage | 24VDC |
| Wattage | 6.1W/ft. |
| Lumens RGBW | All: 291 Lm/ft. White: 144 Lm/ft. Red: 36 Lm/ft. Green: 104 Lm/ft. Blue: 23 Lm/ft. |
| Cut Points | 2 in. |
| Dimmable | Yes |
| Max Run (ft.) | 16.4 ft. |
| Max Run (Class 2) | 16.4 ft. |
| CRI | 90+ (3000K) |
| Dimensions | 0.47 × 0.06 in. (W x H) |
| TM-30 (LM-80) | >50,000 hours |
| Environment | Indoor / Damp Location (IP20) |
| Ambient Temperature | -4 ~ 122°F (-20 ~ 50°C) |
| Operating Temperature | -4 ~ 176°F (-20 ~ 80°C) |
| LED Chips | 72/ft. |
| Certification | UL Listed 2108 |
| Warranty | 7 Year |

VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.



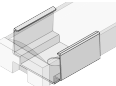


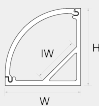

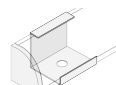


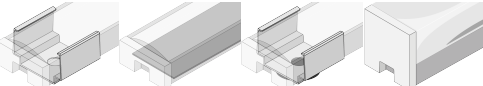
Date _____

<https://www.diodeled.com/valent-reg-x-rgbw.html>

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|--|--|--|--|--|
| S1 Channel DI-CHB-S1 (S1) 48", 96" Aluminum For 14mm Tape Lights or smaller |  | 48 in. channel & frosted cover 2x surface mounting clips End caps: 1x open, 1x closed. |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Semi-Diffused | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  U-Clip: 0.32 x 0.68 in. (H x W) |
| S2 Channel DI-CHB-S2 (S2) 48", 96" Aluminum For 14mm Tape Lights or smaller |  | 48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws 96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Dotless | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  U-Clip: 0.58 x 0.75 in. (H x W) |
| S45 Channel DI-CHB-S45 (S45) 48", 96" Aluminum For 14mm Tape Lights or smaller |  | 48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws 96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Dotless | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  U-Clip: 0.79 x 0.79 in. (H x W) |
| Slim Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller |  | 48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • End caps: 1x open, 1x closed 96" Aluminum, Black, & White Channels • 96 in. channel & lens • 4x surface mounting clips • end caps: 2x open, 2x closed |  12mm Tape Light: Soldered Lead Only | Architectural Frosted Lens VL: Semi-Diffused Premium Diffusion Lens VL: Dotless For diffusion options not listed, refer to Slim Channel Specification Sheet. | <ul style="list-style-type: none"> Beam Angle: 120° Architectural Clear Lens Light Loss: 10% CCT Shift: -20K Architectural Frosted Lens Light Loss: 20% CCT Shift: -35K Classic Frosted Lens Light Loss: 20% CCT Shift: -40K Black Lens Light Loss: 90% CCT Shift: -350K Premium Diffusion Lens Light Loss: 10% CCT Shift: -30K IP Rating Shift: IP40 |  Slim Mount: 0.54 x 0.87 in. (H x W) 3M Adhesive: 0.48 x 0.82 in. (H x W) Magnetic U-Clip: 0.59 x 0.82 in. (H x W) Premium Diffusion: 0.96 x 0.82 in. (H x W) |

VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.



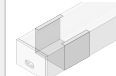
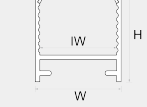

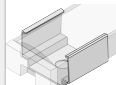


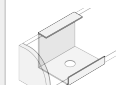
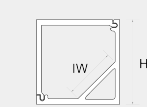

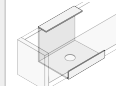
Date _____

<https://www.diodeled.com/valent-reg-x-rgbw.html>

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|--|--|--|---|--|--|
| Canal Channel DI-CPCHB-CAN (CA) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller | Height (H): 0.59 in. Width (W): 0.69 in. Interior Depth (ID): 0.54 in. Interior Width (IW): 0.61 in.  | 48" Aluminum, Black, & White Channels • 48 in. channel & opal lens • 2x surface mounting clips • End caps: 1x open, 1x closed. 96" Aluminum, Black, & White Channels • 96 in. channel & opal lens • 4x surface mounting clips • End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Opal Lens VL: Dotless | • Beam Angle: 120° • Opal Lens • Light Loss: 55% • CCT Shift: -200K • IP Rating Shift: IP40 |  U-Clip: 0.6 x 0.7 in. (H x W) |
| 16mm Square Channel DI-CPCHB-16MM (16) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.89 in. Width (W): 0.77 in. Interior Width (IW): 0.63 in.  | 48 in. channel & Architectural Frosted Lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & Architectural Frosted Lens 4x surface mounting clips End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Architectural Frosted Lens VL: Dotless | • Beam Angle: 120° • Architectural Frosted Lens • Light Loss: 20% • CCT Shift: -35K • Black Lens • Light Loss: 90% • CCT Shift: -350K • IP Rating Shift: IP40 |  Mounting Clip: 0.89 x 0.77 in. (H x W) |
| 20mm Round Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 1.18 in. Width (W): 1.18 in. Interior Width (IW): 0.84 in.  | 48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & frosted lens 4x surface mounting clips End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Dotless | • Beam Angle: 180° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 |  U-Clip: 1.19 x 1.19 in. (H x W) |
| 20mm Square Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 1.18 in. Width (W): 1.18 in. Interior Width (IW): 0.84 in.  | 48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & frosted lens 4x surface mounting clips End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Dotless | • Beam Angle: 180° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 |  U-Clip: 1.19 x 1.19 in. (H x W) |

VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.

Date

<https://www.diodeled.com/valent-reg-x-rgbw.html>

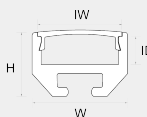

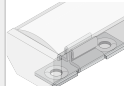

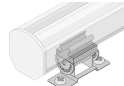
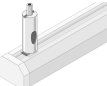

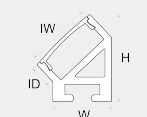

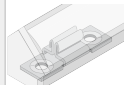

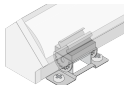
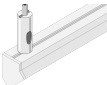

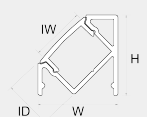


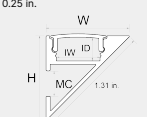

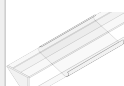
Project Notes



24
VDC



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|--|--|--|--|--|
| Square Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller |  | 48" Aluminum Channel • 48 in. channel & frosted cover • Mounting hardware • End caps: 1x open, 1x closed. 48" Black & White Channels • 48 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects 96" Aluminum Channel • 96 in. channel & frosted cover • Mounting hardware • End caps: 2x open, 2x closed. 96" Black & White Channels • 96 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects |  12mm Tape Light: Soldered Lead Only | Architectural Frosted Lens VL: Semi-Diffused Premium Diffusion Lens VL: Dotless For diffusion options not listed, refer to Square Channel Specification Sheet. | • Beam Angle: 120° Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 20% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Black Lens • Light Loss: 90% • CCT Shift: -350K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K • IP Rating Shift: IP40 |  Chromapath Surface Mount: 0.61 x 0.82 in. (H x W)  Vertical Mount: 0.61 x 0.82 in. (H x W)  Rotating Mount: 1.29 x 0.82 in. (H x W)  Hanging Mount: 1.51 x 0.82 in. (H x W)  Premium Diffusion: 1.13 x 0.82 in. (H x W) |
| 45° Channel DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller |  | 48" Aluminum, Black, & White Channels • 48 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects 96" Aluminum Channel • 96 in. channel & clear, or frosted lens • 8x surface mounted clips • 4x End-to-end interconnects 96" Black & White Channels • 96 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects |  12mm Tape Light: Soldered Lead Only | Architectural Frosted Lens VL: Semi-Diffused Premium Diffusion Lens VL: Dotless For diffusion options not listed, refer to 45° Channel Specification Sheet. | • Beam Angle: 120° Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 20% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Black Lens • Light Loss: 90% • CCT Shift: -350K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K • IP Rating Shift: IP40 |  Chromapath Surface Mount: 1 x 0.67 in. (H x W)  Vertical Mount: 1 x 0.67 in. (H x W)  Rotating Mount: 1.68 x 0.67 in. (H x W)  Hanging Mount: 1.9 x 0.67 in. (H x W)  Premium Diffusion: 1.52 x 0.67 in. (H x W) |
| 45° Deco Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller |  | 48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Semi-Diffused | • Beam Angle: 120° Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 |  Mounting Clip: 0.73 x 0.73 in. (H x W) |
| 90° Sideview Channel DI-CPCHB-90SD (90) 48", 96" Aluminum For 12mm Tape Lights or smaller |  | 48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Semi-Diffused | • Beam Angle: 120° Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 |  Mounting Clip: 0.92 x 0.92 in. (H x W) |

VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.






Date _____

<https://www.diodeled.com/valent-reg-x-rgbw.html>

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|---|--|--|---|---|---|
| Reflector Channel DI-CPCHB-RFCTR (REF) 48", 96" Aluminum For 12mm Tape Lights or smaller |  | 48 in. channel & frosted cover End caps: 1x open, 1x closed. 96 in. channel & frosted cover End caps: 1x open, 1x closed. |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Semi-Diffused | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 |  Recessed Mount: 2.75 x 1 in. (H x W) |
| Rod Channel DI-CPCHB-RDCL (ROD) 48", 96" Aluminum For 12mm Tape Lights or smaller |  | 78.74 in. channel & frosted lens 1x open end-cap, 1x closed end-cap 4 x 180° swivel brackets 2x Closet Mounting Brackets 2x Support Brackets |  12mm Tape Light: Soldered Lead Only | Classic Frosted Lens VL: Semi-Diffused | <ul style="list-style-type: none"> • Beam Angle: 180° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 |  Rotating Mount: 1.69 x 0.95 in. (H x W) Closet Mount: 1.28 x 3.25 in. (H x W) Art Lighting Arm: 2.72 x 10.15 in. (H x W) Wall Arm: 4.5 x 2.15 in. (H x W) |
| 1-inch Mud-In Channel DI-CPCHB-MUD1 (MI1) 48", 96" Aluminum For 14mm Tape Lights or smaller |  | 96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Opal Lens VL: Dotless | <ul style="list-style-type: none"> • Beam Angle: 120° • Opal Lens • Light Loss: 55% • CCT Shift: -200K • IP Rating Shift: IP40 |  Recessed Mount: 0.54 x 2.42 in. (H x W) |
| 2-inch Mud-In Channel DI-CPCHB-MUD2 (MI2) 48", 96" Aluminum For 14mm Tape Lights or smaller |  | 96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only | Opal Lens VL: Dotless | <ul style="list-style-type: none"> • Beam Angle: 120° • Opal Lens • Light Loss: 55% • CCT Shift: -200K • IP Rating Shift: IP40 |  Recessed Mount: 0.8 x 3.86 in. (H x W) |

VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.

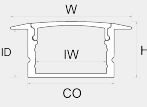


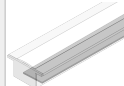
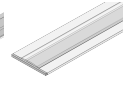



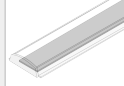

Date _____

<https://www.diodeled.com/valent-reg-x-rgbw.html>

Project Notes _____



RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|---|--|---|--|---|--|---|
| Recessed Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller | Height (H): 0.49 in. Width (W): 1.03 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.59 in. Cut Out Width (CO): 0.74 in. Recessed Wing (RW): 0.15 in.  | 48 in. channel & frosted lens 2x surface mounted clips end caps: 1x open, 1x closed 96 in. channel & frosted lens 4x surface mounted clips end caps: 2x open, 2x closed. |  12mm Tape Light: Soldered Lead Only |  Classic Frosted Lens VL: Runway Diffusion | <ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  3M Adhesive: 0.59 × 1.03 in. (H x W)  Recessed Mount: 0.49 × 1.03 in. (H x W) |
| Waveform Channel DI-CPCHB-WF (WF) 48" Aluminum For 12mm Tape Lights or smaller | Height (H): 0.3 in. Width (W): 0.71 in. Interior Width (IW): 0.49 in. Height W/o Cover (H/C): 0.2 in.  | 48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. |  12mm Tape Light: Soldered Lead Only |  Classic Frosted Lens VL: Runway Diffusion | <ul style="list-style-type: none"> Beam Angle: 120° Min. Bend Radius: 8 in. Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 |  3M Adhesive: 0.4 × 0.71 in. (H x W)  U-Clip: 0.31 × 0.72 in. (H x W) |

VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.

Date

<https://www.diodeled.com/valent-reg-x-rgbw.html>

Project Notes



RECOMMENDED 24V DRIVERS

| SKU | INPUT VOLTAGE / FREQUENCY | OUTPUT VOLTAGE | MAXIMUM LOAD | MINIMUM LOAD | CLASS 2 | DIMMABLE | LENGTH | WIDTH | HEIGHT |
|---|---------------------------|----------------|--------------|-----------------|---------|--|-----------|----------|----------|
| VLM Series Constant Voltage Driver Compact driver for on/off, PWM dimming, and color-changing applications. https://www.diodeled.com/custom/download/productFile/fileName/VLM-Series-Constant-Voltage-Driver-Specification%20Sheet%20(Driver%20%20J-Box).pdf | | | | | | | | | |
| Contains • Additional Models • Additional Features • Derating Curves • System Diagrams | | | | | | | | | |
| VLM60W-24-LPS3R | 120 / 277VAC 47 - 63Hz | 24V | 60W | No Minimum Load | Yes | PWM | 10.79 in. | 7.34 in. | 2.36 in. |
| VLM60W-24-LPM | 120 / 277VAC 47 - 63Hz | 24V | 60W | No Minimum Load | Yes | PWM | 8.19 in. | 2.94 in. | 1.31 in. |
| VLM100W-24-LPS3R | 120 / 277VAC 47 - 63Hz | 24V | 100W | No Minimum Load | Yes | PWM | 10.79 in. | 7.34 in. | 2.36 in. |
| VLM200W-24-LPL | 120 / 277VAC 47 - 63Hz | 24V | 200W | No Minimum Load | Yes | PWM | 13.5 in. | 4.5 in. | 2.38 in. |
| MEANWELL Constant Voltage Driver Drivers for on/off or PWM dimming applications. https://www.diodeled.com/custom/download/productFile/fileName/commercial-grade-CV-Driver-Specification%20Sheet%20(24V%20Models).pdf | | | | | | | | | |
| Contains • Additional Models • Additional Features • Derating Curves • System Diagrams | | | | | | | | | |
| DI-CV-MW24V60W-277-LPS3R | 120 ~ 277VAC 50/60Hz | 24V | 60W | No minimum load | Yes | Yes, with compatible PWM dimmer/controls | 10.79 in. | 7.34 in. | 2.36 in. |
| DI-CV-MW24V60W-277-LPS | 120 ~ 277VAC 50/60Hz | 24V | 60W | No minimum load | Yes | Yes, with compatible PWM dimmer/controls | 11.25 in. | 3.75 in. | 1.9 in. |
| DI-CV-MW24V90W-277-LPS3R | 120 ~ 277VAC 50/60Hz | 24V | 90W | No minimum load | Yes | Yes, with compatible PWM dimmer/controls | 10.79 in. | 7.34 in. | 2.36 in. |
| PoE (Power over Ethernet) Constant voltage platform, ready for Power over Ethernet (inquire) | | | | | | | | | |

RECOMMENDED CONTROLLERS

| SKU | DESCRIPTION |
|--|--|
| CASAMBI® Controllers The CASAMBI controllers will remotely control your lighting through the app - downloadable for IOS & Android. | |
| CBU-PWM4 | CASAMBI PWM4 Single Color Dimming Controller |
| CBU-A2D | CASAMBI A2D 2 Channel 0-10V/DALI Controller |
| CBU-ASR | CASAMBI ASR 0-10V Controller |
| CBU-TED | CASAMBI TED AC High Voltage Controller |
| Nicolaudie DMX LED Controllers Store up to 500 scenes across 10 separate zones with a full-color display. | |
| DI-DMX-DE3 | Nicolaudie STICK-DE3 DMX LED Controller |
| DI-DMX-ESA | Nicolaudie Easy Stand Alone DMX LED Color Controller - 5k Memory |



VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.

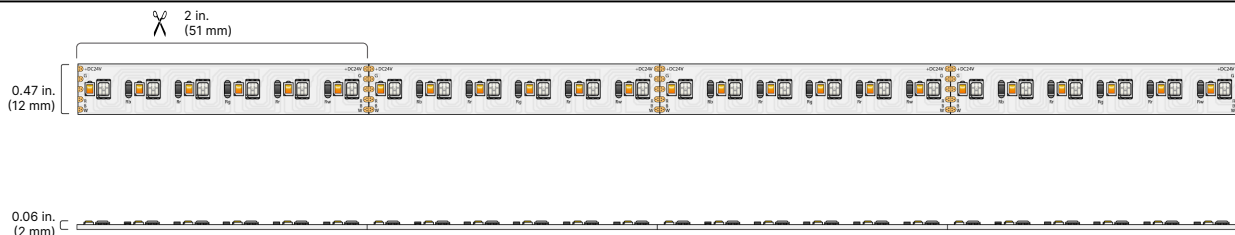
Date <https://www.diodeled.com/valent-reg-x-rgbw.html>

Project Notes

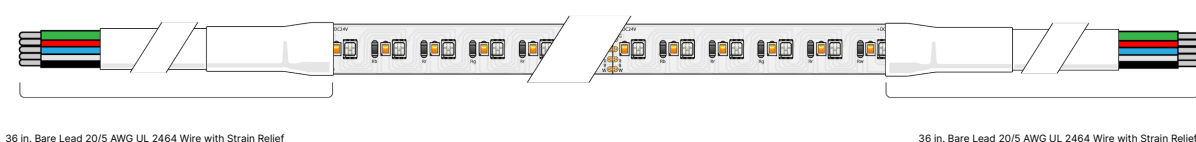


MECHANICAL DIAGRAMS

24V-VL-RGBW

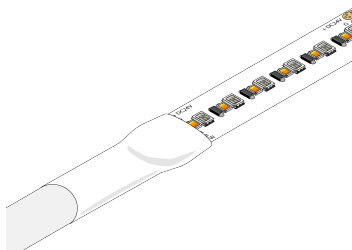


CONNECTIONS



ACCESSORIES

Soldered Lead Only



DELIVERY OPTIONS

- Field Assembly**
Stock items for in-field assembly. Fastest order fulfillment.
- Factory + Field (Hybrid)**
Finished lengths of light with leads. CHANNELS either bulk or factory finished. Some field assembly required.
- Factory Assembly**
Fastest installation: fixtures fully assembled in the factory.

- Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across run.
- Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment.

VALENT® RGBW 24V

Color Changing LED Tape Light

Bright, saturated RGBW tape light for high performance color changing applications. Capable of billions of color combinations, plus pure 3000K white light.

Date

<https://www.diodeled.com/valent-reg-x-rgbw.html>

Project Notes



CERTIFICATIONS

Safety

- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaire. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.
- UL Listed Field Cuttable.
- Approved for storage areas of clothes closets per NEC 410.16.A.1,3 and 410.16.C.1,3,5

Environment

- RoHS Compliant

Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.

Safety / Warnings / Disclosures

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
4. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
5. Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Tape light and attached wire leads are field-cuttable.
6. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
7. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
8. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
9. Do not install indoor LED tape light products in outdoor / wet location environments. Only wet location tape light models are rated for outdoor / wet locations.
10. Do not modify product beyond instructions or warranty will be void.
11. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
12. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
13. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

WARRANTY

Limited Warranty

- 7 Year limited warranty

This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.