diodeled®

DAZZLE® Pixel RGBW 24V LED Tape Light

Specification Sheet

DAZZLE® Pixel RGBW 24V
LED Tape Light

Create dynamic pixel patterns with chasing effects driven by a pixel control system. With 6 LEDs per RGBW pixel, you have access to billions of color possibilities, making it ideal for large-scale applications that require longer, sweeping motion and animations. Combine it with popular channels and accessories for a complete installation.

Date

Project Notes

CERTIFIED SAFETY | IP20 | 24 VDC | NEC CLOSET RATED

FEATURES

- 6 LEDs Pixel (5.8 W/ft.)
- 16.4 ft. Max. Run
- IC Chip UCS2904B
- 7 Year Limited Warranty

ORDERING CODES

Order spools, and components for field assembly

HYBRID ORDERING CODE (OPTIONAL)

Soldered Wire Lead and Connection Options

	Voltage	Model	CCT	Series	Pixel Control Increments	Length	Input Wire Color, Length, and Connection			Output Wire Color, Length, and Connection		
DI												
	24V (24V Volt)	DRGBW	*blank* (3000K) 50 (5000K)	PIX	6LED	016 (16 feet) 100 (100 feet) CSTM__ (__in.)	**Color & Type**	**Length**	**Connection**	**Color & Type**	**Length**	**Connection**
							WH (White CL2 - Default)	***36I (36 in. - Default)***	***BW (Bare Wire - Default)***	****blank* (No Wire - Default)***		
							BL (Black CL2)	__ in.	MIC (Interconnect)	WH (White CL2) BL (Black CL2)	__ in.	BW (Bare Wire - Default) MIC (Interconnect)

GENERAL SPECIFICATIONS (ALL MODELS)

Voltage	24VDC
Wattage	5.8W/ft.
Cut Points	3.93 in.
Dimmable	Yes
Max Run (ft.)	16.4 ft.
Dimensions	0.39 × 0.1 in. (W x H)
TM-21 (LM-80)	>50,000 hours
Environment	Indoor / Damp Location (IP20)
LED Chips	18/ft.
Chip Type	UCS2904B - 5050
Certification	UL Listed 2108
Limited Warranty	7 Year Limited Warranty

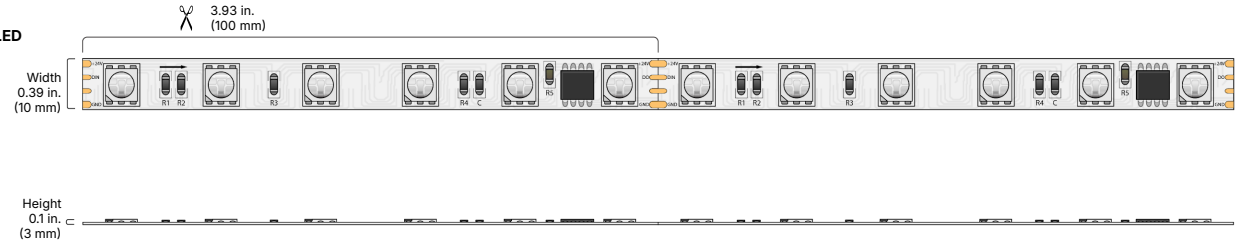
DETAILED SPECIFICATIONS

	24V-DRGBW-50-PIX-6LED	24V-DRGBW-PIX-6LED
RGBW	All on: 220 Lm/ft. 5000K: 110 Lm/ft. Red: 40 Lm/ft. Green: 86 Lm/ft. Blue: 19 Lm/ft.	Red: 40 Lm/ft. Green: 86 Lm/ft. Blue: 19 Lm/ft. 3000K: 100 Lm/ft. All on: 200 Lm/ft.

MECHANICAL DIAGRAMS

24V-DRGBW-50-PIX-6LED

24V-DRGBW-PIX-6LED



CONNECTIONS

36 White Bare Lead 20/3 AWG UL 2464 Wire with Strain Relief

36 White Bare Lead 20/3 AWG UL 2464 Wire with Strain Relief

DELIVERY OPTIONS

- Field Assembly
  Fastest order fulfillment. Field connectors and accessories not included.

- Factory + Field (Hybrid)
  Onsite modifications with factory connection. Additional accessories not included.

- Factory Assembly
  Fastest Installation. Factory made-to-order fixtures.

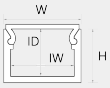
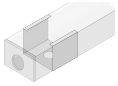
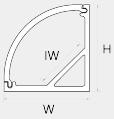
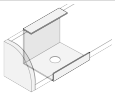
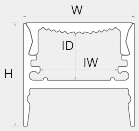
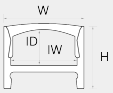
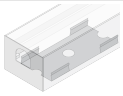
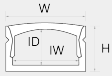
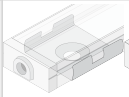
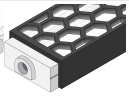
RECOMMENDED CHANNELS

For additional information visit:
https://qrco.de/bfylau

- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE

- SQUARE
- 45°
- 45° DECO
- MUD-IN 0.5 IN.
- MUD-IN 0.5 IN. WALL REVEAL
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.

- RECESSED
- RECESSED 45-DEGREE
- RECESSED 20-DEGREE
- WALK-OVER
- SCONCE
- GRAZER
- WAVEFORM

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
S2 Channel DI-CHB-S2 (S2) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://qrco.de/beoyQV	Height (H): 0.57 in. Width (W): 0.74 in. Interior Depth (ID): 0.34 in. Interior Width (IW): 0.65 in.  	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	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 S2 Clip: 0.63 × 0.84 in. (H x W)
S45 Channel DI-CHB-S45 (S45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://qrco.de/beoyQb	Height (H): 0.78 in. Width (W): 0.78 in. Interior Depth (ID): 0.54 in. Interior Width (IW): 0.6 in.  	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	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 U-Clip: 0.79 × 0.79 in. (H x W)
A1 Channel DI-CHB-A1 (A1) 48", 90" Aluminum, White, Black For 14mm Tape Lights or smaller https://qrco.de/bf6mfJ	Height (H): 0.81 in. Width (W): 0.87 in. Interior Depth (ID): 0.45 in. Interior Width (IW): 0.79 in.  	48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed, 2x slotted 90 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed, 2x slotted	• Soldered Lead Only	Architectural Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K	 U-Clip: 0.82 × 0.88 in. (H x W)
A2 Channel DI-CHB-A2 (A2) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller https://qrco.de/bf6nFO	Height (H): 0.55 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.48 in. Interior Width W/Lens (IWL): 0.4 in.  	48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Architectural Frosted Satin Lens DRGBW: Runway Diffusion Architectural Frosted Lens DRGBW: Runway Diffusion For diffusion options not listed, refer to A2 Channel Specification Sheet.	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Architectural Frosted Satin Lens • Light Loss: 45% • CCT Shift: -80K Regress Lens • Light Loss: 30% • CCT Shift: -35K	 U-Clip: 0.56 × 0.64 in. (H x W)
A3 Channel DI-CHB-A3 (A3) 48", 96" Aluminum, White, Black https://qrco.de/bf6nGo	Height (H): 0.39 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.48 in. Interior Width W/Lens (IWL): 0.4 in.  	48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Architectural Frosted Satin Lens DRGBW: Runway Diffusion Architectural Frosted Lens DRGBW: Runway Diffusion For diffusion options not listed, refer to A3 Channel Specification Sheet.	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Architectural Frosted Satin Lens • Light Loss: 45% • CCT Shift: -80K Regress Lens • Light Loss: 30% • CCT Shift: -35K	 U-Clip: 0.4 × 0.64 in. (H x W)  Flat Louver: 0.54 × 0.82 in. (H x W)

RECOMMENDED CHANNELS

For additional information visit:
https://qrco.de/bfylau

- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE

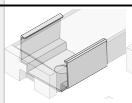
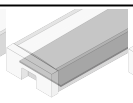
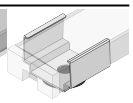
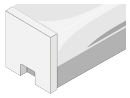
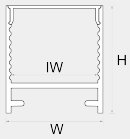
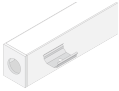
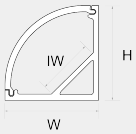
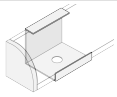
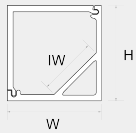
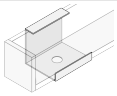
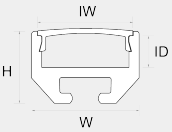
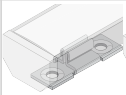
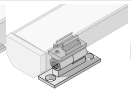
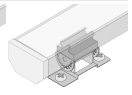
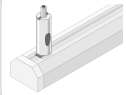
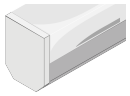
- SQUARE
- 45°
- 45° DECO
- MUD-IN 0.5 IN.
- MUD-IN 0.5 IN. WALL REVEAL
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.

- RECESSED
- RECESSED 45-DEGREE
- RECESSED 20-DEGREE
- WALK-OVER
- SCONCE
- GRAZER
- WAVEFORM

RUNWAY DIFFUSION

SEMI-DIFFUSED

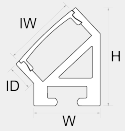
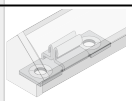
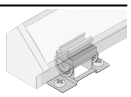
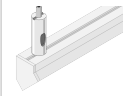
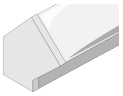
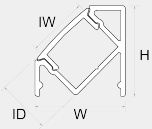
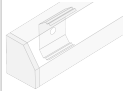
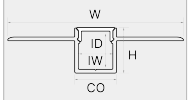
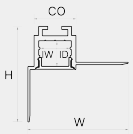
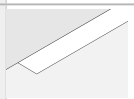
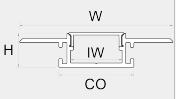
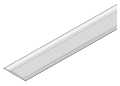
DOTLESS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
SLIM Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://qrco.de/bdlwSm	Height (H): 0.38 in. Width (W): 0.82 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.67 in. 	48 in. channel & optional lens 2x surface mounting clips End caps: 1x open, 1x closed 96 in. channel & optional lens 4x surface mounting clips end caps: 2x open, 2x closed	• Soldered Lead Only	Architectural Frosted Lens DRGBW: Semi-Diffused Premium Diffusion Lens DRGBW: Dotless For diffusion options not listed, refer to SLIM Channel Specification Sheet.	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K	 Slim Mount: 0.54 × 0.87 in. (H x W)  3M Adhesive: 0.48 × 0.82 in. (H x W)  Magnetic U-Clip: 0.59 × 0.82 in. (H x W)  Premium Diffusion: 0.96 × 0.82 in. (H x W)
16MM Channel DI-CPCHB-16MM (16) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwdD	Height (H): 0.89 in. Width (W): 0.77 in. Interior Depth (ID): 0.58 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.	• Soldered Lead Only	Architectural Frosted Lens DRGBW: Dotless	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Black Lens • Light Loss: 90% • CCT Shift: -350K	 Mounting Clip: 0.89 × 0.77 in. (H x W)
20MM ROUND Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwlt	Height (H): 1.18 in. Width (W): 1.18 in. Interior Depth (ID): 0.84 in. Interior Width (IW): 0.84 in. 	48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 180° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 U-Clip: 1.19 × 1.19 in. (H x W)
20MM SQUARE Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwjN	Height (H): 1.18 in. Width (W): 1.18 in. Interior Depth (ID): 0.84 in. Interior Width (IW): 0.84 in. 	48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 180° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 U-Clip: 1.19 × 1.19 in. (H x W)
SQUARE Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black https://qrco.de/bdlwWF	Height (H): 0.55 in. Width (W): 0.82 in. Interior Depth (ID): 0.27 in. Interior Width (IW): 0.67 in. 	48 in. channel & optional lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & optional lens 4x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Architectural Frosted Lens DRGBW: Semi-Diffused Premium Diffusion Lens DRGBW: Dotless For diffusion options not listed, refer to SQUARE Channel Specification Sheet.	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K	 Chromapath Surface Mount: 0.61 × 0.82 in. (H x W)  Aiming Bracket: 1.29 × 0.82 in. (H x W)  Rotating Mount: 1.93 × 0.82 in. (H x W)  Hanging Mount: 1.51 × 0.82 in. (H x W) Vertical Mount: 0.61 × 0.82 in. (H x W)  Premium Diffusion: 1.13 × 0.82 in. (H x W)

RECOMMENDED CHANNELS

For additional information visit:
https://qrco.de/bfylau

- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE
- SQUARE
- 45°
- 45° DECO
- MUD-IN 0.5 IN.
- MUD-IN 0.5 IN. WALL REVEAL
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.
- RECESSED
- RECESSED 45-DEGREE
- RECESSED 20-DEGREE
- WALK-OVER
- SCONCE
- GRAZER
- WAVEFORM

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
45° Channel DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://qrco.de/bdlwax	Height (H): 0.94 in. Width (W): 0.67 in. Interior Depth (ID): 0.32 in. Interior Width (IW): 0.67 in.  	48 in. channel & optional lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & optional lens 4x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Architectural Frosted Lens DRGBW: Semi-Diffused Premium Diffusion Lens DRGBW: Dotless For diffusion options not listed, refer to 45° Channel Specification Sheet.	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K	 Chromapath Surface Mount: 1 × 0.67 in. (H x W) Vertical Mount: 1 × 0.67 in. (H x W)  Rotating Mount: 2.32 × 0.67 in. (H x W)  Hanging Mount: 1.9 × 0.67 in. (H x W)  Premium Diffusion: 1.52 × 0.67 in. (H x W)
45° DECO Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bdlwZs	Height (H): 0.73 in. Width (W): 0.73 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.47 in.  	48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 Mounting Clip: 0.73 × 0.73 in. (H x W)
MUD-IN 0.5 IN. Channel DI-CPCHB-MUD0.5 (MUD0.5) 96" Aluminum For 8mm Tape Lights or smaller https://qrco.de/bfmbuh	Height (H): 0.55 in. Width (W): 2.14 in. Interior Depth (ID): 0.44 in. Interior Width (IW): 0.39 in. Cut Out Width (CO): 0.51 in.  	96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 Recessed Mount: 0.55 × 2.14 in. (H x W)
MUD-IN 0.5 IN. WALL REVEAL Channel DI-CPCHB-MUD1-WREV (MUD0.5-WREV) 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bfm3fR	Height (H): 1.5 in. Width (W): 1.43 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.44 in. Cut Out Width (CO): 0.65 in.  	96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 Recessed Mount: 1.5 × 1.43 in. (H x W)
MUD-IN 1 IN. Channel DI-CPCHB-MUD1 (MI1) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwnz	Height (H): 0.54 in. Width (W): 2.42 in. Interior Depth (ID): 0.44 in. Interior Width (IW): 0.81 in. Cut Out Width (CO): 1.19 in.  	96 in. channel & opal lens 2x end-to-end connectors End caps: 2x open, 2x closed. 96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Opal Lens DRGBW: Dotless	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Opal Lens • Light Loss: 55% • CCT Shift: -200K	 Recessed Mount: 0.54 × 2.42 in. (H x W)

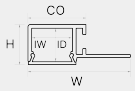
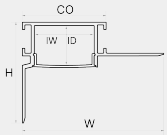
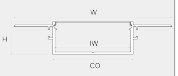
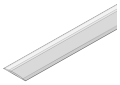
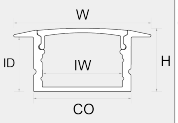
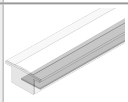
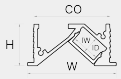
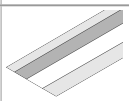
RECOMMENDED CHANNELS

For additional information visit:
https://qrco.de/bfylau

- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE

- SQUARE
- 45°
- 45° DECO
- MUD-IN 0.5 IN.
- MUD-IN 0.5 IN. WALL REVEAL
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.

- RECESSED
- RECESSED 45-DEGREE
- RECESSED 20-DEGREE
- WALK-OVER
- SCONCE
- GRAZER
- WAVEFORM

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
MUD-IN SINGLE FLANGE Channel DI-CPCHB-MUD1-SF (MUD1-SF) 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bfmbsS	Height (H): 0.57 in. Width (W): 1.47 in. Interior Depth (ID): 0.46 in. Interior Width (IW): 0.57 in. Cut Out Width (CO): 0.84 in.  	96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 Recessed Mount: 0.57 × 1.47 in. (H x W)
MUD-IN 1 IN. WALL REVEAL Channel DI-CPCHB-MUD1-WREV (MUD1-WREV) 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bfmbsn	Height (H): 1.37 in. Width (W): 1.93 in. Interior Depth (ID): 0.51 in. Interior Width (IW): 0.79 in. Cut Out Width (CO): 1.16 in.  	96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 Recessed Mount: 1.37 × 1.93 in. (H x W)
MUD-IN 2 IN. Channel DI-CPCHB-MUD2 (MI2) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwpY	Height (H): 0.8 in. Width (W): 3.86 in. Interior Depth (ID): 0.69 in. Interior Width (IW): 1.84 in. Cut Out Width (CO): 1.97 in.  	96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Opal Lens DRGBW: Dotless	• Beam Angle: 120° • IP Rating Shift: IP20 Opal Lens • Light Loss: 55% • CCT Shift: -200K	 Recessed Mount: 0.8 × 3.86 in. (H x W)
RECESSED Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwXH	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.	• Soldered Lead Only	Classic Frosted Lens DRGBW: Runway Diffusion DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 Recessed Mount: 0.49 × 1.03 in. (H x W) Mounting Clip: 0.49 × 1.03 in. (H x W)
RECESSED 45-DEGREE Channel DI-CPCHB-45REC (45REC) 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bfmbt8	Height (H): 0.57 in. Width (W): 1.26 in. Interior Depth (ID): 0.19 in. Interior Width (IW): 0.42 in. Cut Out Width (CO): 1.11 in.  	96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGBW: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 Recessed Mount: 0.57 × 1.26 in. (H x W)

RECOMMENDED POWER SUPPLIES

For additional Power Supply information, refer to individual Specification Sheet data at diodeled.com.

- MEANWELL
- VLM
- ADAPTER - PLUG IN

MEANWELL CONSTANT VOLTAGE DRIVER

Drivers for on/off or PWM dimming applications.

For additional information visit:
https://www.diodeled.com/mean-well-driver.html

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-0954	Class 2 7.87 × 2.78 × 1.38 in.	90 ~ 295VAC / 47 ~ 63Hz	24V / 96W	None
DI-0954-LPL	Class 2 11.25 × 3.75 × 1.9 in.	90 ~ 295VAC / 47 ~ 63Hz	24V / 96W	None
DI-0954-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	90 ~ 295VAC / 47 ~ 63Hz	24V / 96W	None
DI-0970	Class 2 5.83 × 1.57 × 1.18 in.	90 ~ 264VAC / 47 ~ 63Hz	24V / 35W	None
DI-0970-LPS	Class 2 11.25 × 3.75 × 1.9 in.	90 ~ 264VAC / 47 ~ 63Hz	24V / 35W	None
DI-0970-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	90 ~ 264VAC / 47 ~ 63Hz	24V / 35W	None
DI-CV-24V150W	Not Class 2 7.52 × 2.5 × 1.48 in.	90 ~ 132VAC / 47 ~ 63Hz	24V / 150W	None
DI-CV-24V200W	Not Class 2 8.46 × 4.53 × 1.18 in.	88 ~ 264VAC, 47 ~ 60Hz	24V / 200W	None
DI-CV-24V330W	Not Class 2 8.5 × 4.13 × 1.61 in.	85 ~ 264VAC / 47 ~ 63Hz	24V / 330W	None
DI-CV-24V60W-OWA	Class 2 5.1 × 2.1 × 1.4 in.	90 ~ 264VAC 127 ~ 370VAC	24V / 60W	None
DI-CV-24V90W-OWA	Class 2 6.75 × 2.5 × 1.5 in.	90 ~ 264VAC 127 ~ 370VAC	24V / 90W	None
DI-CV-MW24V60W-277	Class 2 5.9 × 2.1 × 1.4 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-CV-MW24V60W-277-LPS	Class 2 11.25 × 3.75 × 1.9 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-CV-MW24V60W-277-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-CV-MW24V90W-277	Class 2 6.8 × 2.5 × 1.5 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-CV-MW24V90W-277-LPL	Class 2 13.5 × 4.5 × 2.38 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-CV-MW24V90W-277-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-CV-24V150W-277	Not Class 2 9 × 2.67 × 1.5 in.	120 ~ 277VAC 50/60Hz	24V / 150W / 6.3A	None
DI-CV-24V240W-277	Not Class 2 9.61 × 2.67 × 1.53 in.	120 ~ 277VAC 50/60Hz	24V / 240W / 10A	None
DI-CV-24V320W-277	Not Class 2 9.92 × 3.54 × 1.72 in.	120 ~ 277VAC 50/60Hz	24V / 320W / 13.34A	None
DI-CV-24V480W-277	Not Class 2 10.31 × 4.92 × 1.72 in.	120 ~ 277VAC 50/60Hz	24V / 480W / 20A	None
DI-CV-24V600W-277	Not Class 2 11.02 × 5.67 × 1.9 in.	120 ~ 277VAC 50/60Hz	24V / 600W / 25A	None

VLM SERIES CONSTANT VOLTAGE DRIVER

Compact driver for on/off, PWM dimming, and color-changing applications.

For additional information visit:
https://www.diodeled.com/vlm-series-led-driver.html

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
VLM100W-24	Class 2 5.38 × 1 × 0.77 in.	120 / 277VAC, 47 - 63Hz	24V / 96W	None
VLM100W-24-LPM	Class 2 8.19 × 2.94 × 1.31 in.	120 / 277VAC, 47 - 63Hz	24V / 96W	None
VLM100W-24-LPS	Class 2 11.25 × 3.75 × 1.9 in.	120 / 277VAC, 47 - 63Hz	24V / 96W	None
VLM100W-24-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 / 277VAC, 47 - 63Hz	24V / 96W	None
VLM200W-24-LPL	Class 2 13.5 × 4.5 × 2.38 in.	120 / 277VAC, 47 - 63Hz	24V / 100W (X2)	None
VLM60W-24	Class 2 5.1 × 0.75 × 0.77 in.	120 / 277VAC, 47 - 63Hz	24V / 60W	None
VLM60W-24-LPM	Class 2 8.19 × 2.94 × 1.31 in.	120 / 277VAC, 47 - 63Hz	24V / 60W	None
VLM60W-24-LPS	Class 2 11.25 × 3.75 × 1.9 in.	120 / 277VAC, 47 - 63Hz	24V / 60W	None
VLM60W-24-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 / 277VAC, 47 - 63Hz	24V / 60W	None

RECOMMENDED CONTROLLERS

For additional Controller information, refer to individual Specification Sheet data at diodeled.com.

ADVATEK CONTROL SYSTEM

The ADVATEK control system is a powerful pixel LED controller built upon Advatek's 3rd generation PixLite Mk3 processor.

For additional information visit:
https://www.diodeled.com/advatek-s-pixlite-led-pixel-controllers.html

SKU	DESCRIPTION
DI-PIXA4S3	Advatek Pixel Control Unit, Pixlite A4-S Mk3 Controller
DI-PIXE16S3	Advatek Pixel Control Unit, Pixlite E16-S Mk3 Controller
DI-PIXT8S3US	Advatek Pixel Control Unit, Pixlite T8-S Mk3 Controller with Power Cable
DI-PIXR2FS	Advatek Pixel Control Unit, Pixlite R2F-S Receiver
DI-PIXR4DS	Advatek Pixel Control Unit - PixLite R4D-S
DI-PIXE4S3	Advatek Pixel Control Unit - PixLite E4-S Mk3
DI-MNT0102	Advatek - A4-S Mk3 DIN Rail Mount Kit

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

Performance

- 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.

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.

- Lumen value measured in accordance to IES LM-79-08. 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.

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