

DAZZLE® Pixel RGB 12V LED Tape Light

Create dynamic pixel patterns with chasing effects driven by a pixel control system. Ideal for sophisticated designs requiring high granularity and controllability. Achieve vibrant, full-color light and intricate animations with 1 RGB LED per pixel. It is compatible with popular channels and accessories.

Date _____

Project Notes _____



FEATURES

- 1 LED Pixel (2.5 W/ft.)
- 16.4 ft. Max. Run
- IC chip - TX1818
- 7 Year Limited Warranty



ORDERING CODES

Order spools, and components for field assembly

HYBRID ORDERING CODE (OPTIONAL)

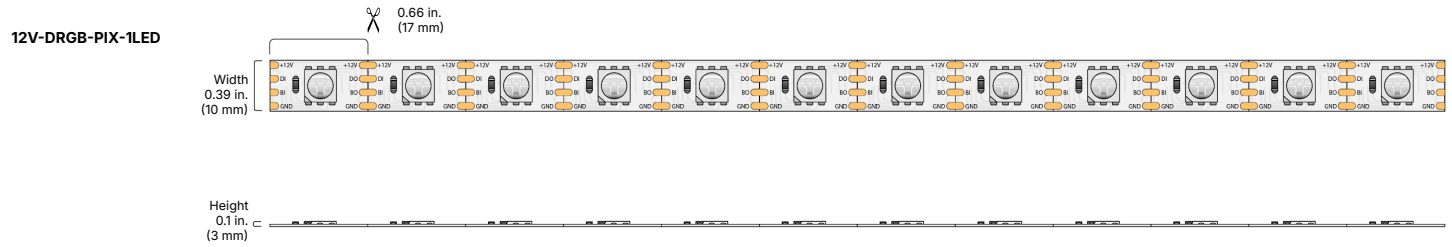
Soldered Wire Lead and Connection Options

	Voltage	Model	Series	Pixel Control Increments	Length	Input Wire Color, Length, and Connection			Output Wire Color, Length, and Connection		
DI											
	12V (12V Volt)	DRGB	PIX	1LED	016 (16 feet) 100 (100 feet) CSTM_ (__in.)	Color & Type WH (White CL2 - Default) BL (Black CL2)	Length 36I (36 in. - Default) __ in.	Connection BW (Bare Wire - Default) MIC (Interconnect)	Color & Type WH (White CL2) BL (Black CL2)	Length *blank* (No Wire - Default) __ in.	Connection BW (Bare Wire - Default) MIC (Interconnect)

GENERAL SPECIFICATIONS (ALL MODELS)

Voltage	12VDC
Wattage	2.5W/ft.
RGB	Red: 12 Lm/ft. Green: 44 Lm/ft. Blue: 10 Lm/ft. All on: 60 Lm/ft.
Cut Points	0.66 in.
Dimmable	Yes
Max Run (ft.)	16.4 ft.
Dimensions	0.39 x 0.1 in. (W x H)
Environment	Indoor / Damp Location (IP20)
LED Chips	18/ft.
Chip Type	TX1818 - 5050
Pixel Control Increments	1 LED
Certification	UL Listed 2108
Limited Warranty	7 Year Limited Warranty

MECHANICAL DIAGRAMS



CONNECTIONS



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/bfyiau>



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

- SQUARE
- 45°
- 45° DECO
- 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



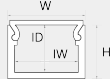
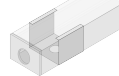
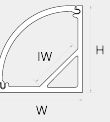
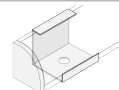
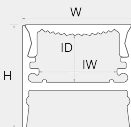
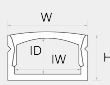
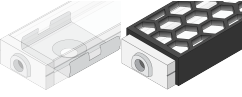
RUNWAY DIFFUSION



SEMI-DIFFUSED



DOTLESS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
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 DRGB: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 S2 Clip: 0.63 x 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 DRGB: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	 U-Clip: 0.79 x 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 DRGB: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K	 U-Clip: 0.82 x 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 DRGB: Runway Diffusion Architectural Frosted Lens DRGB: 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	 U-Clip: 0.56 x 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 DRGB: Runway Diffusion Architectural Frosted Lens DRGB: 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	 U-Clip: 0.4 x 0.64 in. (H x W) Flat Louver: 0.54 x 0.82 in. (H x W)

RECOMMENDED CHANNELS

For additional information visit:

<https://qrco.de/bfylvau>



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

- SQUARE
- 45°
- 45° DECO
- 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



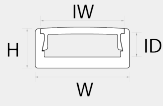
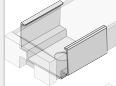
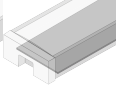
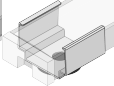
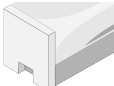
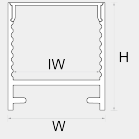
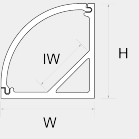
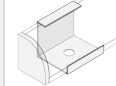
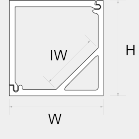
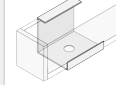
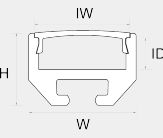
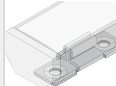
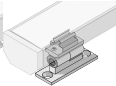
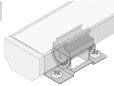
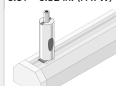
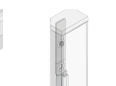
RUNWAY DIFFUSION



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/bdlw5m	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 DRGB: Semi-Diffused Premium Diffusion Lens DRGB: 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	   
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 DRGB: Dotless	• Beam Angle: 120° • IP Rating Shift: IP20 - Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K	
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 DRGB: Semi-Diffused	• Beam Angle: 180° • IP Rating Shift: IP20 - Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	
20MM SQUARE Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwiN	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 DRGB: Semi-Diffused	• Beam Angle: 180° • IP Rating Shift: IP20 - Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K	
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 DRGB: Semi-Diffused Premium Diffusion Lens DRGB: 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	     

RECOMMENDED CHANNELS

For additional information visit:

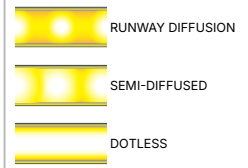
<https://qrco.de/bfyiau>

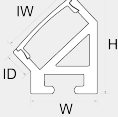
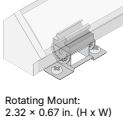
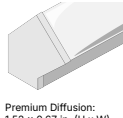
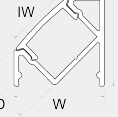
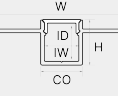
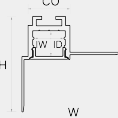
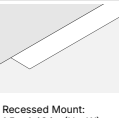
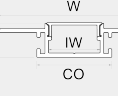


- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE

- SQUARE
- 45°
- 45° DECO
- 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
- SCOUNCE
- 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		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 DRGB: Semi-Diffused Premium Diffusion Lens DRGB: 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	    
45° DECO Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bdlwz5		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 DRGB: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: ~40K	
MUD-IN 0.5 IN. Channel DI-CPCHB-MUD0.5 (MUD0.5) 96" Aluminum For 8mm Tape Lights or smaller https://qrco.de/bfmbuh		96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGB: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: ~40K	
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		96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGB: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: ~40K	
MUD-IN 1 IN. Channel DI-CPCHB-MUD1 (MI1) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwnz		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 DRGB: 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	

RECOMMENDED CHANNELS

For additional information visit:

<https://qrco.de/bfyiau>



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

- SQUARE
- 45°
- 45° DECO
- 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



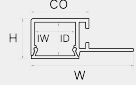
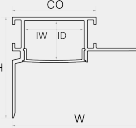
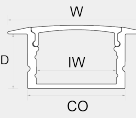
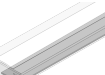
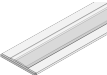
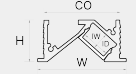
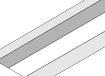
RUNWAY DIFFUSION



SEMI-DIFFUSED



DOTLESS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
MUD-IN SINGLE FLANGE Channel DI-CPCHB-MUD1-SF (MUD1-SF) 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bfmbbs	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 DRGB: 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 × 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/bfmbbs	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 DRGB: 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 × W)
MUD-IN 2 IN. Channel DI-CPCHB-MUD2 (M2) 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 DRGB: Dotless	• Beam Angle: 120° • IP Rating Shift: IP20 Opal Lens • Light Loss: 55% • CCT Shift: ~200K	 Recessed Mount: 0.8 × 3.86 in. (H × 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 DRGB: Runway Diffusion DRGB: 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 × W)  Mounting Clip: 0.49 × 1.03 in. (H × 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 DRGB: 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 × W)

RECOMMENDED CHANNELS

For additional information visit:

<https://qrco.de/bfyiau>



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

- SQUARE
- 45°
- 45° DECO
- 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



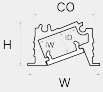
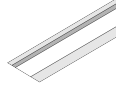
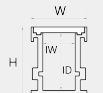
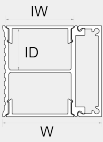
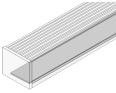
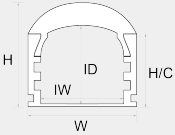
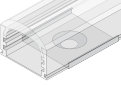
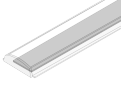
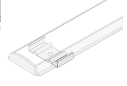
RUNWAY DIFFUSION



SEMI-DIFFUSED



DOTLESS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
RECESSED 20-DEGREE Channel DI-CPCHB-AREC (AREC) 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bfmbtM		96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens DRGB: Semi-Diffused	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: ~40K	 Recessed Mount: 0.46 x 0.78 in. (H x W)
WALK-OVER Channel DI-CPCHB-WO (WO) 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bg1VOp		96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: ~40K	 Recessed Mount: 1.05 x 0.84 in. (H x W)
SCONCE Channel DI-CPCHB-SCNC (SCNC) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlweg		48 in. channel, 2x frosted cover Mounting plate End caps: 1x open, 1x closed. 96 in. channel, 2x frosted cover Mounting plate End caps: 1x open, 1x closed.	• Soldered Lead Only	Classic Frosted Lens DRGB: Runway Diffusion	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: ~40K	 3M Adhesive: 1.2 x 1.21 in. (H x W)
GRAZER Channel DI-CPCHB-GZRNB (GZR) 48", 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bdlwcE		48 in. channel & clear matte optic lens 96 in. channel & clear matte optic lens	• Soldered Lead Only	Clear Matte Optics Lens DRGB: Semi-Diffused	• Beam Angle: 24° • IP Rating Shift: IP20	 Mounting Clip: 0.69 x 0.62 in. (H x W)
WAVEFORM Channel DI-CPCHB-WF (WF) 48" Aluminum For 12mm Tape Lights or smaller https://qrco.de/bdlwn0		48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed.	• Soldered Lead Only	Classic Frosted Lens	• Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens • Light Loss: 20% • CCT Shift: ~40K	 3M Adhesive: 0.4 x 0.71 in. (H x W)  U-Clip: 0.31 x 0.72 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-0904	Class 2 4.65 × 1.38 × 1.2 in.	90 ~ 264VAC 47 ~ 63Hz	12V / 20W	None
DI-0904-LPS	Class 2 11.25 × 3.75 × 1.9 in.	90 ~ 264VAC 47 ~ 63Hz	12V / 20W	None
DI-0904-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	90 ~ 264VAC 47 ~ 63Hz	12V / 20W	None
DI-0906	Class 2 6.4 × 1.67 × 1.26 in.	90 ~ 264VAC 47 ~ 63Hz	12V / 60W	None
DI-0906-LPS	Class 2 11.25 × 3.75 × 1.9 in.	90 ~ 264VAC 47 ~ 63Hz	12V / 60W	None
DI-0906-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	90 ~ 264VAC 47 ~ 63Hz	12V / 60W	None
DI-0908	Not Class 2 8.3 × 3.9 × 2 in.	85 ~ 264VAC 47 ~ 63Hz	12V / 150W	None
DI-0909	Not Class 2 8.3 × 3.9 × 2 in.	85 ~ 264VAC 50/60Hz	12V / 200W	None
DI-0918	Class 2 5.83 × 1.57 × 1.18 in.	90 ~ 264VAC / 47 ~ 63Hz	12V / 35W	None
DI-0918-LPS	Class 2 11.25 × 3.75 × 1.9 in.	90 ~ 264VAC / 47 ~ 63Hz	12V / 35W	None
DI-0918-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	90 ~ 264VAC / 47 ~ 63Hz	12V / 35W	None
DI-0928	Not Class 2 8.5 × 4.13 × 1.61 in.	85 ~ 264VAC / 47 ~ 63Hz	12V / 300W	None
DI-0939	Class 2 3.07 × 2.01 × 1.1 in.	88 ~ 264VAC / 47 ~ 63Hz	12V / 25W	None
DI-0941	Class 2 3.54 × 1.57 × 1.14 in.	90 ~ 264VAC / 47 ~ 63Hz	12V / 12W	None
DI-CV-12V120W	Not Class 2 7.52 × 2.5 × 1.48 in.	90 ~ 132VAC / 47 ~ 63Hz	12V / 120W	None
DI-CV-MW12V40W-277	Class 2 5.9 × 2.1 × 1.4 in.	120 ~ 277VAC 50/60Hz	12V / 40W	None
DI-CV-MW12V40W-277-LPS	Class 2 11.25 × 3.75 × 1.9 in.	120 ~ 277VAC 50/60Hz	12V / 40W	None
DI-CV-MW12V40W-277-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 ~ 277VAC 50/60Hz	12V / 40W	None
DI-CV-MW12V60W-277	Class 2 5.9 × 2.1 × 1.4 in.	120 ~ 277VAC 50/60Hz	12V / 60W	None
DI-CV-MW12V60W-277-LPS	Class 2 11.25 × 3.75 × 1.9 in.	120 ~ 277VAC 50/60Hz	12V / 60W	None
DI-CV-MW12V60W-277-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 ~ 277VAC 50/60Hz	12V / 60W	None
DI-DV-12V60W-277-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	100 ~ 277VAC, 50/60Hz	12V / 60W	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-12	Class 2 5.38 × 1 × 0.77 in.	120 / 277VAC, 47 - 63Hz	12V / 96W	None
VLM120W-12-LPL	Not Class 2 13.5 × 4.5 × 2.38 in.	120 / 277VAC, 47 - 63Hz	12V / 60W (X2)	None
VLM60W-12	Class 2 5.1 × 0.75 × 0.77 in.	120 / 277VAC, 47 - 63Hz	12V / 60W	None
VLM60W-12-LPM	Class 2 8.19 × 2.94 × 1.31 in.	120 / 277VAC, 47 - 63Hz	12V / 60W	None
VLM60W-12-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 / 277VAC, 47 - 63Hz	12V / 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.