

STREAMLITE™ PIXEL RGBW 24V LED Tape Light

Create diffused and dynamic pixel patterns with chasing effects driven by a DMX control system. Built on the popular STREAMLITE™ format, the Pixel feature delivers billions of colors with dynamic linear lighting effects. Combine it with popular channels and accessories for a complete installation.

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Project Notes _____



FEATURES

- Dot-free lighting with dynamic effects
- Up to 225 Lm/ft.
- 20 ft. Max. Run
- IC Chip WS2814
- 7 Year Warranty



ORDERING CODES

Order spools, and components for field assembly

OPTIONAL ORDERING CODES

Add Assembly Preferences, Finish, Lens, Mounting, Driver, and Delivery

Voltage	Model	Color	Series	Length	Channels	Finish	Lens	Mounting	Driver	Delivery
24V (24V Volt)	STMLT	RGBW (RGBW)	PIX	016 (16 feet)	A1 (A1) S45 (S45) 90 (90° Sideview) REF (Reflector) A2 (A2) 16 (16mm Square) SL (Slim) ROD (Rod) A3 (A3) RC20 (20mm Round) SQ (Square) MI1 (1-inch Mud-In) S1 (S1) SQ20 (20mm Square) 45 (45°) MI2 (2-inch Mud-In) S2 (S2) 45DCO (45° Deco) REC (Recessed)	AL (Aluminum) BL (Black) WH (White)	*blank* (Classic Frosted Lens) AFS (Arch. Frosted Satin Lens) BL (Black Lens) CLT (Arch. Clear Lens) FRT (Arch. Frosted Lens) OPT (Opal Lens) PD (Prem. Diffusion Lens)	3M (3M Adhesive) MC (Mounting Clip) RC (Rotating Clip) CHN (Mounting Channel)	O/O (On / Off) PoE (Power over Ethernet)	Field Assembly Factory + Field (Hybrid) Factory Assembly
*See page 2 for Channel / Lens / Mounting compatibility										

STREAMLITE™ PIXEL RGBW - SPECIFICATION TABLE

Models	24V-STMLT-RGBW-PIX
Voltage	24VDC
Wattage	3.3W/ft.
Lumens RGBW	Red: 22 Lm/ft. Green: 92 Lm/ft. Blue: 14 Lm/ft. White: 75 Lm/ft. All: 225 Lm/ft.
Cut Points	4 in.
Max Run (ft.)	20 ft.
CRI	90+
Dimensions	0.47 × 0.08 in. (W x H)
TM-21 (LM-80)	>50,000 hours
Environment	Indoor / Damp Location (IP20)
Lead Wire A	36 in. White Bare Lead 22/3 AWG UL 2464 Wire with Strain Relief
Lead Wire B	36 in. White Bare Lead 22/3 AWG UL 2464 Wire with Strain Relief
LED Chips	273/ft.
Chip Type	WS2814A
Certification	UL Listed 2108
Warranty	7 Year

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CHANNEL / LENS / MOUNTING COMPATIBILITY

Channel	Compatible Lenses	Available Finishes	Mounting Options
A1 (A1)	FRT	AL / WH / BL	UC
A2 (A2)	CLT / FRT / AFS	AL / WH / BL	UC
A3 (A3)	CLT / FRT / AFS	AL / WH / BL	UC
S1 (S1)	*blank*	AL	UC
S2 (S2)	*blank*	AL	UC
S45 (S45)	*blank*	AL	UC
16 (16mm Square)	FRT	AL	MC
RC20 (20mm Round)	*blank*	AL	UC
SQ20 (20mm Square)	*blank*	AL	UC
45DCO (45° Deco)	*blank*	AL	MC
90 (90° Sideview)	*blank*	AL	MC
SL (Slim)	*blank* / CLT / FRT / BL / PD	AL / WH / BL	MC / 3M / MAG
SQ (Square)	*blank* / CLT / FRT / BL / PD	AL / WH / BL	MC / VC / RC / HNG
45 (45°)	*blank* / CLT / FRT / BL / PD	AL / WH / BL	MC / VC / RC / HNG
REC (Recessed)	*blank*	AL	3M
REF (Reflector)	*blank*	AL	
ROD (Rod)	*blank*	AL	RC / CLO / ART / ARM
M11 (1-inch Mud-In)	OPT	AL	
M12 (2-inch Mud-In)	OPT	AL	

LEGEND

Lens		Finish		Mounting	
blank	Classic Frosted Lens	AL	Aluminum	3M	3M Adhesive
AFS	Architectural Frosted Satin Lens	WH	White	ARM	Wall Arm
BL	Black Lens	BL	Black	ART	Art Lighting Arm
CLT	Architectural Clear Lens			CLO	Closet Mount
FRT	Architectural Frosted Lens			HNG	Hanging Hardware
OPT	Opal Lens			MAG	Magnetic Clip
PD	Premium Diffusion Lens			MC	Mounting Clip
				RC	Rotating Clip
				UC	U-Clip
				VC	Vertical Clip

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RECOMMENDED CHANNELS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
A1 Channel DI-CHB-A1 (A1) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller	Height (H): 0.81 in. Width (W): 0.87 in. Interior Depth (ID): 0.45 in. Interior Width (IW): 0.79 in. 	48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • 1 retaining clip • End caps: 1x open, 1x closed. 96" Aluminum, Black, & White Channels • 90 in. channel & lens • 4x surface mounting clips • 2x strain relief clip • End caps: 2x open, 2x closed, 2x slotted	 12mm Tape Light: Soldered Lead Only	 Architectural Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless	• Beam Angle: 120° Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K • IP Rating Shift: IP40	 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	Height (H): 0.55 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.49 in. 	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 Satin Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless Architectural Frosted Lens STMLT: Dotless For diffusion options not listed, refer to A2 Channel Specification Sheet.	• Beam Angle: 120° 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 • IP Rating Shift: IP40	 U-Clip: 0.56 × 0.64 in. (H x W)
A3 Channel DI-CHB-A3 (A3) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller	Height (H): 0.39 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.49 in. 	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 Satin Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless Architectural Frosted Lens STMLT: Dotless For diffusion options not listed, refer to A3 Channel Specification Sheet.	• Beam Angle: 120° 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 • IP Rating Shift: IP40	 U-Clip: 0.4 × 0.64 in. (H x W)
S1 Channel DI-CHB-S1 (S1) 48", 96" Aluminum For 12mm Tape Lights or smaller	Height (H): 0.31 in. Width (W): 0.67 in. Interior Depth (ID): 0.25 in. Interior Width (IW): 0.58 in. 	48 in. channel & frosted cover 2x surface mounting clips End caps: 1x open, 1x closed.	 12mm Tape Light: Soldered Lead Only	 Classic Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless	• Beam Angle: 120° Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	 U-Clip: 0.32 × 0.68 in. (H x W)

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S2 Channel DI-CHB-S2 (S2) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.57 in. Width (W): 0.74 in. Interior Depth (ID): 0.34 in. Interior Width (IW): 0.63 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	 12mm Tape Light: Soldered Lead Only	Classic Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: 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 × 0.75 in. (H x W)
S45 Channel DI-CHB-S45 (S45) 48", 96" Aluminum For 14mm Tape Lights or smaller	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	 12mm Tape Light: Soldered Lead Only	Classic Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: 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 × 0.79 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 Depth (ID): 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 STREAMLITE™ PIXEL RGBW - STMLT: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K • IP Rating Shift: IP40 	 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	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 & 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 STREAMLITE™ PIXEL RGBW - STMLT: Dotless	<ul style="list-style-type: none"> • Beam Angle: 180° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 	 U-Clip: 1.19 × 1.19 in. (H x W)

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MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
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 Depth (ID): 0.84 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 STREAMLITE™ PIXEL RGBW - STMLT: Dotless	<ul style="list-style-type: none"> 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)
45° Deco Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller	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 & 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 STREAMLITE™ PIXEL RGBW - STMLT: Dotless	<ul style="list-style-type: none"> 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	Height (H): 0.92 in. Width (W): 0.92 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.48 in. Mounting Canal Width (MC): 0.25 in. 	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 STREAMLITE™ PIXEL RGBW - STMLT: Dotless	<ul style="list-style-type: none"> 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)
Slim Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller	Height (H): 0.38 in. Width (W): 0.82 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.67 in. 	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 STREAMLITE™ PIXEL RGBW - STMLT: Dotless Premium Diffusion Lens STMLT: 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: 30% 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)

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Square Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller		48" Aluminum Channel • 48 in. channel & frosted lens • 2x surface mounting clips • 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 lens • 4x surface mounting clips • 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	<p>12mm Tape Light: Soldered Lead Only</p>	<p>Architectural Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless</p> <p>Premium Diffusion Lens STMLT: Dotless</p> <p>For diffusion options not listed, refer to Square Channel Specification Sheet.</p>	<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 	<p>Chromapath Surface Mount: 0.61 × 0.82 in. (H x W)</p> <p>Vertical Mount: 0.61 × 0.82 in. (H x W)</p> <p>Rotating Mount: 1.29 × 0.82 in. (H x W)</p> <p>Hanging Mount: 1.51 × 0.82 in. (H x W)</p> <p>Premium Diffusion Mount: 1.13 × 0.82 in. (H x W)</p>
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	<p>12mm Tape Light: Soldered Lead Only</p>	<p>Architectural Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless</p> <p>Premium Diffusion Lens STMLT: Dotless</p> <p>For diffusion options not listed, refer to 45° Channel Specification Sheet.</p>	<ul style="list-style-type: none"> Beam Angle: 120° 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 Black Lens Light Loss: 90% CCT Shift: -350K Premium Diffusion Lens Light Loss: 10% CCT Shift: -30K IP Rating Shift: IP40 	<p>Chromapath Surface Mount: 1 × 0.67 in. (H x W)</p> <p>Vertical Mount: 1 × 0.67 in. (H x W)</p> <p>Rotating Mount: 1.68 × 0.67 in. (H x W)</p> <p>Hanging Mount: 1.9 × 0.67 in. (H x W)</p> <p>Premium Diffusion Mount: 1.52 × 0.67 in. (H x W)</p>
Recessed Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller		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.	<p>12mm Tape Light: Soldered Lead Only</p>	<p>Classic Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless</p>	<ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 	<p>3M Adhesive Mount: 0.59 × 1.03 in. (H x W)</p> <p>Recessed Mount: 0.49 × 1.03 in. (H x W)</p>
Reflector Channel DI-CPCHB-RFCTR (REF) 48", 96" Aluminum For 14mm 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.	<p>12mm Tape Light: Soldered Lead Only</p>	<p>Classic Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless</p>	<ul style="list-style-type: none"> Beam Angle: 120° Classic Frosted Lens Light Loss: 20% CCT Shift: -40K IP Rating Shift: IP40 	<p>Recessed Mount: 2.75 × 1 in. (H x W)</p>

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Rod Channel DI-CPCHB-RDCL (ROD) 48", 96" Aluminum <small>For 12mm Tape Lights or smaller</small>	Height (H): 0.95 in. Width (W): 0.95 in. Interior Width (IW): 0.48 in. Height W/o Cover (H/C): 0.72 in. 	78.74 in. channel & frosted lens 1x open end-cap, 1x closed end-cap 4x 180° swivel brackets 2x Closet Mounting Brackets 2x Support Brackets	 12mm Tape Light: Soldered Lead Only	Classic Frosted Lens STREAMLITE™ PIXEL RGBW - STMLT: Dotless	<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 × 0.95 in. (H x W) Closet Mount: 1.28 × 3.25 in. (H x W) Art Lighting Arm: 2.72 × 10.15 in. (H x W) Wall Arm: 4.5 × 2.15 in. (H x W)
1-inch Mud-In Channel DI-CPCHB-MUD1 (MI1) 48", 96" Aluminum <small>For 14mm Tape Lights or smaller</small>	Height (H): 0.54 in. Width (W): 2.42 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.	 12mm Tape Light: Soldered Lead Only	Opal Lens STREAMLITE™ PIXEL RGBW - STMLT: 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 × 2.42 in. (H x W)
2-inch Mud-In Channel DI-CPCHB-MUD2 (MI2) 48", 96" Aluminum <small>For 14mm Tape Lights or smaller</small>	Height (H): 0.8 in. Width (W): 3.86 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.	 12mm Tape Light: Soldered Lead Only	Opal Lens STREAMLITE™ PIXEL RGBW - STMLT: 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 × 3.86 in. (H x W)

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RECOMMENDED 24V DRIVERS

SKU	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE	MAXIMUM LOAD	MINIMUM LOAD	CLASS 2	DIMMABLE	LENGTH	WIDTH	HEIGHT
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 MEANWELL Constant Voltage Driver Specification Sheet									
Contains: • Additional Models • Derating Curves • Additional Features • 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.
DI-CV-MW24V90W-277-LPL	120 ~ 277VAC 50/60Hz	24V	90W	No Minimum Load	Yes	Yes, with compatible PWM dimmer/controls	13.5 in.	4.5 in.	2.38 in.
DI-CV-24V150W-277	120 ~ 277VAC 50/60Hz	24V	150W	No Minimum Load	No	Yes, with Compatible PWM dimmer/controls	9 in.	2.67 in.	1.5 in.
DI-CV-24V240W-277	120 ~ 277VAC 50/60Hz	24V	240W	No Minimum Load	No	Yes, with Compatible PWM dimmer/controls	9.61 in.	2.67 in.	1.53 in.
DI-CV-24V320W-277	120 ~ 277VAC 50/60Hz	24V	320W	No Minimum Load	No	Yes, with Compatible PWM dimmer/controls	9.92 in.	3.54 in.	1.72 in.
DI-CV-24V480W-277	120 ~ 277VAC 50/60Hz	24V	480W	No Minimum Load	No	Yes, with Compatible PWM dimmer/controls	10.31 in.	4.92 in.	1.72 in.
DI-CV-24V600W-277	120 ~ 277VAC 50/60Hz	24V	600W	No Minimum Load	No	Yes, with Compatible PWM dimmer/controls	11.02 in.	5.67 in.	1.9 in.

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-Specification%20Sheet%20(Driver%20&%20J-Box).pdf VLM Series Constant Voltage Driver Specification Sheet									
Contains: • Additional Models • Derating Curves • Additional Features • 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.

PoE (Power over Ethernet)
 Constant voltage platform, ready for Power over Ethernet (inquire)

RECOMMENDED CONTROLLERS

SKU	DESCRIPTION
ADVATEK Control System The ADVATEK control system is a powerful pixel LED controller built upon Advatek's 3rd generation PixLite Mk3 processor.	
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-PIXA4S3	Advatek Pixel Control Unit, Pixlite A4-S Mk3 Controller
DI-PIXE16S3	Advatek Pixel Control Unit, Pixlite E16-S Mk3 Controller



STREAMLITE™ PIXEL RGBW 24V
LED Tape Light

Create diffused and dynamic pixel patterns with chasing effects driven by a DMX control system.
Built on the popular STREAMLITE™ format, the Pixel feature delivers billions of colors with dynamic linear lighting effects. Combine it with popular channels and accessories for a complete installation.

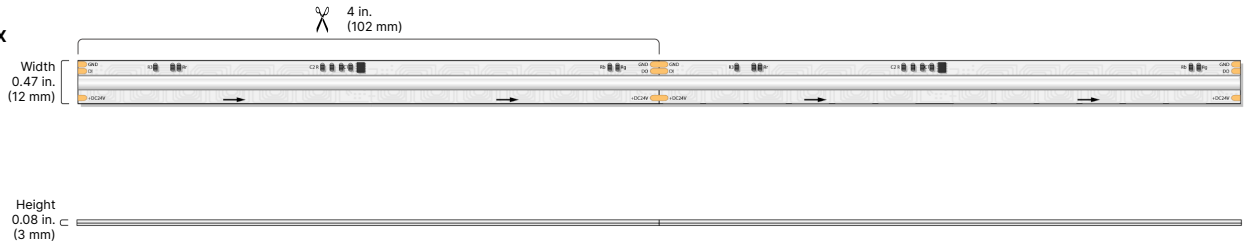
Date _____

Project Notes _____

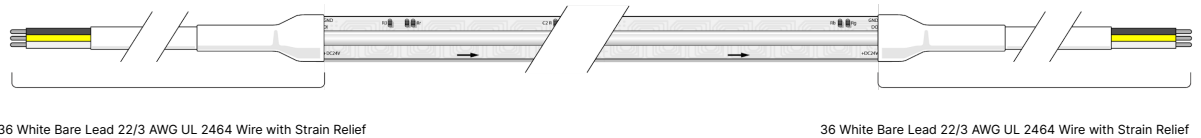


MECHANICAL DIAGRAMS

24V-STMLT-RGBW-PIX



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.

- 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.

STREAMLITE™ PIXEL RGBW 24V LED Tape Light

Create diffused and dynamic pixel patterns with chasing effects driven by a DMX control system. Built on the popular STREAMLITE™ format, the Pixel feature delivers billions of colors with dynamic linear lighting effects. Combine it with popular channels and accessories for a complete installation.

Date _____

Project Notes _____



CERTIFICATIONS

Safety

- UL Listed 2108 Flexible Lighting Systems. 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

- Ambient Temperature: -4 ~ 122°F (-20 ~ 50°C)
- Operating Temperature: -4 ~ 176°F (-20 ~ 80°C)
- RoHS Compliant: Verification No. CANEC1610091501

Performance

- Can be used to comply with TITLE 24 Part 6 High Efficacy Lighting LED requirements - JA8-2016-2022-E
- 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. Maximum Run values are calculated to show the total length a product may be connected in series without experiencing significant voltage drop and light loss. A product's listed Maximum Run may be greater than its longest purchasable length.
7. 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.
8. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
9. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
10. 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.
11. Do not modify product beyond instructions or warranty will be void.
12. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
13. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.

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.