

**VALENT® X Tunable White
High Density LED Tape Light**

Flexible, high-density tape light offering three CCT options spanning from 1800K to 3500K to 6500K, with a 95+ CRI. Ensures accurate representation across the white light spectrum, optimizing the circadian rhythm experience without compromising color gamut or fidelity.

Date _____

Project Notes _____



FEATURES

- A single light source with three-CCT tunable white (1800K, 3500K, 6500K)
- 95+ CRI
- High performance lumen output - up to 450+ Lm/ft.
- 4.6 W/ft.
- 16.4 ft. Max. Run
- 12 Year Limited Warranty



ORDERING CODES

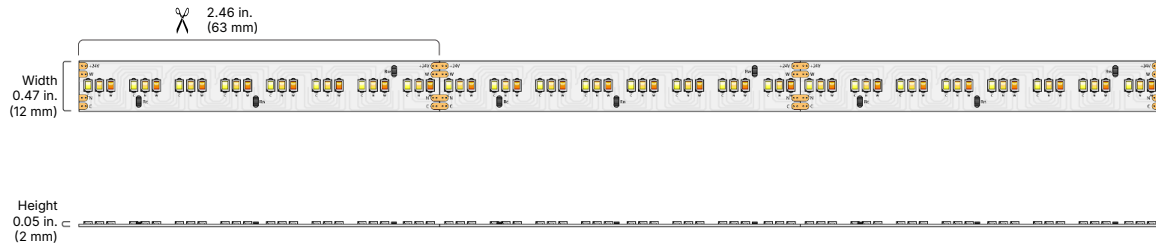
Order spools, and components for field assembly					Soldered Wire Lead and Connection Options					
DI	Voltage	Model	CCT	Length	Input Wire Color, Length, and Connection			Output Wire Color, Length, and Connection		
	24V (24V Volt)	VLX	TW1865 (1800K-6500K)	016 (16 feet) 100 (100 feet) CSTM_ (__in.)	Color & Type WH (White CL2 - Default) BL (Black CL2)	Length 36l (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	24VDC
Wattage	4.6W/ft.
1800K-6500K	1800K: 114 Lm/ft. 3500K: 176 Lm/ft. 6500K: 184 Lm/ft. 1800K-3500K: 295 Lm/ft. 3500K-6500K: 354 Lm/ft. All: 481 Lm/ft.
Cut Points	2.46 in.
Dimmable	Yes
Max Run (ft.)	16.4 ft.
CRI	95+
Dimensions	0.47 x 0.05 in. (W x H)
TM-21 (LM-80)	>50,000 hours
Environment	Indoor/Damp Location (IP20)
LED Chips	117/ft.
Chip Type	2216
Certification	UL Listed 2108
Limited Warranty	12 Year Limited Warranty

MECHANICAL DIAGRAMS

24V-VLX-TW1865



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

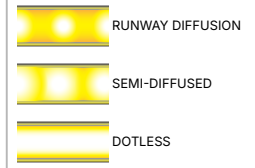
For additional information visit:
<https://arco.de/bfy1au>



- S1
- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM

- 20MM ROUND
- 20MM SQUARE
- SQUARE
- 45°
- 90° SIDEVIEW
- REFLECTOR
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE

- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.
- RECESSED
- WALK-OVER
- SCONCE
- WAVEFORM



MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
S1 Channel DI-CHB-S1 (S1) 48", 96" Aluminum For 14mm Tape Lights or smaller	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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Semi-Diffused	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	U-Clip: 0.32 x 0.68 in. (H x W) S1 Magnetic U-Clip: 0.53 x 0.67 in. (H x W)
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): 0.65 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	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	S2 U-Clip: 0.63 x 0.84 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): 0.75 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	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • 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://arco.de/bfWcO9	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. 90 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed, 2x slotted 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed, 2x slotted	<ul style="list-style-type: none"> • Soldered Lead Only 	Architectural Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Architectural Frosted Lens <ul style="list-style-type: none"> • 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 https://arco.de/bfWcOL	Height (H): 0.55 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.48 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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Architectural Frosted Satin Lens Architectural Frosted Lens For diffusion options not listed, refer to A2 Channel Specification Sheet.	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens <ul style="list-style-type: none"> • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens <ul style="list-style-type: none"> • Light Loss: 30% • CCT Shift: -35K Architectural Frosted Satin Lens <ul style="list-style-type: none"> • Light Loss: 45% • CCT Shift: -80K 	U-Clip: 0.56 x 0.64 in. (H x W)

RECOMMENDED CHANNELS

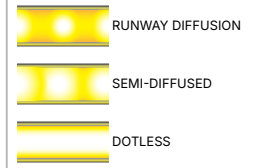
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MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
A3 Channel DI-CHB-A3 (A3) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller https://arco.de/bfWcOS		48 in. channel & 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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Architectural Frosted Satin Lens Architectural Frosted Lens For diffusion options not listed, refer to A3 Channel Specification Sheet.	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens <ul style="list-style-type: none"> • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens <ul style="list-style-type: none"> • Light Loss: 30% • CCT Shift: -35K Architectural Frosted Satin Lens <ul style="list-style-type: none"> • Light Loss: 45% • CCT Shift: -80K 	U-Clip: 0.4 x 0.64 in. (H x W)
SLIM Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://arco.de/bfWcOX		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	<ul style="list-style-type: none"> • Soldered Lead Only 	Architectural Frosted Lens VLX: Semi-Diffused Premium Diffusion Lens VLX: Dotless For diffusion options not listed, refer to SLIM Channel Specification Sheet.	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Architectural Clear Lens <ul style="list-style-type: none"> • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens <ul style="list-style-type: none"> • Light Loss: 30% • CCT Shift: -35K Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K Premium Diffusion Lens <ul style="list-style-type: none"> • Light Loss: 10% • CCT Shift: -30K 	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)
16MM Channel DI-CPCHB-16MM (16) 48", 96" Aluminum For 14mm Tape Lights or smaller		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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Architectural Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Architectural Frosted Lens <ul style="list-style-type: none"> • Light Loss: 30% • CCT Shift: -35K 	Mounting Clip: 0.89 x 0.77 in. (H x W)
20MM ROUND Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller		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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 180° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	U-Clip: 1.19 x 1.19 in. (H x W)
20MM SQUARE Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum		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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 180° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	U-Clip: 1.19 x 1.19 in. (H x W)

RECOMMENDED CHANNELS

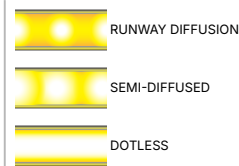
For additional information visit:
<https://arco.de/bfYlau>



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MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
SQUARE Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://arco.de/bfWcP1		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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Architectural Frosted Lens VLX: Semi-Diffused Premium Diffusion Lens VLX: Dotless For diffusion options not listed, refer to SQUARE Channel Specification Sheet.	<ul style="list-style-type: none"> • 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° Channel DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://arco.de/bfWcP7		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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Architectural Frosted Lens VLX: Semi-Diffused Premium Diffusion Lens VLX: Dotless For diffusion options not listed, refer to 45° Channel Specification Sheet.	<ul style="list-style-type: none"> • 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 	
90° SIDEVIEW Channel DI-CPCHB-90SD (90) 48", 96" Aluminum For 12mm Tape Lights or smaller		48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 2x open, 2x closed.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K 	
REFLECTOR Channel DI-CPCHB-RFCTR (REF) 48", 96" Aluminum For 12mm Tape Lights or smaller https://arco.de/bgFrkq		48 in. channel & frosted cover End caps: 1x open, 1x closed. 96 in. channel & frosted cover End caps: 1x open, 1x closed.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K 	
MUD-IN 1IN. Channel DI-CPCHB-MUD1 (M11) 48", 96" Aluminum https://arco.de/bfWcPY		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.	<ul style="list-style-type: none"> • Soldered Lead Only 	Opal Lens VLX: Dotless	<ul style="list-style-type: none"> • 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

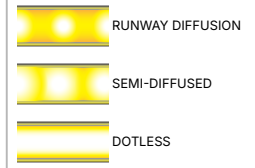
For additional information visit:
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- MUD-IN 1 IN. WALL REVEAL
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MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
MUD-IN SINGLE FLANGE Channel DI-CPCHB-MUD1-SF (MUD1-SF) 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/bfmc4v		96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	 Recessed Mount: 0.57 x 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://arco.de/bfmc52		96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	 Recessed Mount: 1.37 x 1.93 in. (H x W)
MUD-IN 2 IN. Channel DI-CPCHB-MUD2 (MI2) 48", 96" Aluminum For 14mm Tape Lights or smaller		96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed.	• Soldered Lead Only	Opal Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Opal Lens <ul style="list-style-type: none"> • Light Loss: 55% • CCT Shift: -200K 	 Recessed Mount: 0.8 x 3.86 in. (H x W)
RECESSED Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller https://arco.de/bfWcPS		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 VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	 Recessed Mount: 0.49 x 1.03 in. (H x W) Mounting Clip: 0.49 x 1.03 in. (H x W)
WALK-OVER Channel DI-CPCHB-WO (WO) 96" Aluminum https://arco.de/bfmcAe		96 in. channel & lens End caps: 2x open, 2x closed	• Soldered Lead Only	Classic Frosted Lens VLX: Semi-Diffused	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	 Recessed Mount: 1.05 x 0.84 in. (H x W)

RECOMMENDED CHANNELS

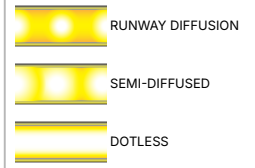
For additional information visit:
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SCONCE Channel DI-CPCHB-SCNC (SCNC) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 1.1 in. Width (W): 1.21 in. Interior Depth (ID): 0.53 in. Interior Width (IW): 0.84 in. 	48 in. channel, 2x frosted cover Mounting plate End caps: 1x open, 1x closed. 96 in. channel, 2x frosted cover Mounting plate End caps: 1x open, 1x closed.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens VLX: Dotless	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • Light Loss: 20% • CCT Shift: -40K 	3M Adhesive: 1.2 x 1.21 in. (H x W)
WAVEFORM Channel DI-CPCHB-WF (WF) 48" Aluminum For 12mm Tape Lights or smaller https://arco.de/bgFs23	Height (H): 0.3 in. Width (W): 0.71 in. Interior Depth (ID): 0.25 in. Interior Width (IW): 0.49 in. Cut Out (CO): 0.2 in. 	48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed.	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 Classic Frosted Lens <ul style="list-style-type: none"> • 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.

- VLM
- MEANWELL

VLM SERIES CONSTANT VOLTAGE DRIVER

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

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

MEANWELL CONSTANT VOLTAGE DRIVER

Drivers for on/off or PWM dimming applications.

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

RECOMMENDED CONTROLLERS

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

TOUCHDIAL™ CONTROL SYSTEMS

The TOUCHDIAL™ zone control system controls single color dimming, tunable white, and color changing LED lighting via mobile device and additional TOUCHDIAL controls.

SKU	DESCRIPTION
DI-RF-REC-CV-A	TOUCHDIAL Color Control System - WiFi Receiver
DI-RF-REM-TW3-4	TOUCHDIAL Color Control System, 3-Anchor Tunable White 4-Zone Remote Controller

CERTIFICATIONS

Safety

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

Environment

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

Safety / Warnings / Disclosures

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

LIMITED WARRANTY

- 12 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.dioleed.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.