

VALENT® MINI 10MM LED Tape Light

10mm high-density tape light with everyday performance. Provides seamless, dot-free illumination in tight spaces when paired with a channel and lens.

Date _____

Project Notes _____



FEATURES

- Slim 10mm width
- Dense LED placement for uninterrupted linear light
- 4.5W/ft. output
- Up to 700+ Lumens per foot
- 90+ CRI
- Compatible with 12mm Terminal Blocks
- 10 Year Limited Warranty



ORDERING CODES

Order spools, and components for field assembly

HYBRID ORDERING CODE (OPTIONAL)

Soldered Wire Lead and Connection Options

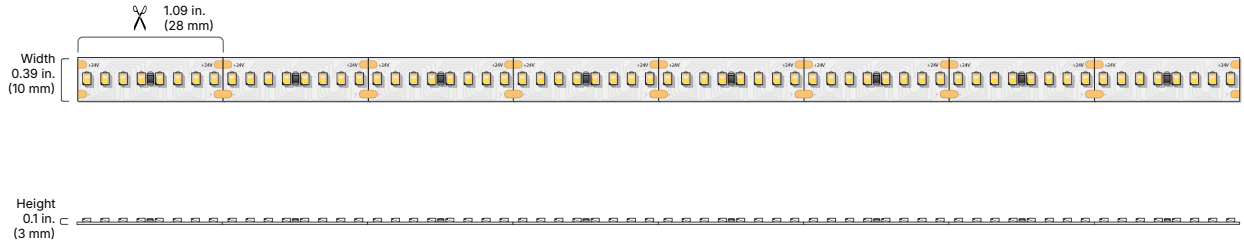
DI	Voltage	Model	CCT		Length	Input Wire Color, Length, and Connection			Output Wire Color, Length, and Connection		
			20 (2000K)	35 (3500K)		Color & Type	Length	Connection	Color & Type	Length	Connection
	24V (24V Volt)	VL10MNS	22 (2200K)	40 (4000K)	016 (16 feet)	WH (White CL2 - Default)	36l (36 in. - Default)	BW (Bare Wire - Default)	WH (White CL2)	Blank	BW (Bare Wire - Default)
			24 (2400K)	50 (5000K)	100 (100 feet)	BL (Black CL2)	__ in.	DC (Barrel)	BL (Black CL2)	__ in.	DC (Barrel)
			27 (2700K)	63 (6300K)	CSTM_ (__in.)	SV (Silver Plenum - Bare Lead only)		MIC (Interconnect)	SV (Silver Plenum - Bare Lead only)		MIC (Interconnect)
			30 (3000K)								

GENERAL SPECIFICATIONS (ALL MODELS)

Lumen Series	500
Voltage	24VDC
Wattage	4.5W/ft.
2000K	540 Lm/ft.
2200K	580 Lm/ft.
2400K	640 Lm/ft.
2700K	697 Lm/ft.
3000K	702 Lm/ft.
3500K	720 Lm/ft.
4000K	750 Lm/ft.
5000K	751 Lm/ft.
6300K	740 Lm/ft.
Cut Points	1.09 in.
Dimmable	Yes
Max Run (ft.)	22 ft.
CRI	90
Dimensions	0.39 x 0.1 in. (W x H)
TM-21 (LM-80)	>50,000 hours
Environment	Indoor / Damp Location (IP20)
Lead Wire A	36 in. White Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief
LED Chips	88/ft.
Chip Type	2022
Certification	UL Listed 2108
Warranty	10 Year Limited

MECHANICAL DIAGRAMS

24V-VL10MNS



CONNECTIONS

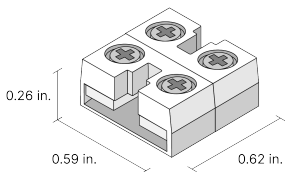


36 White Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief

ACCESSORIES

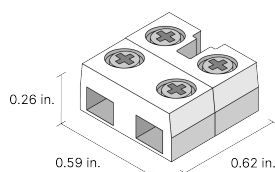
DI-TB12-CONN-TTT

Tape Light Terminal Block Connector, Screw Down, 12mm, Tape-To-Tape



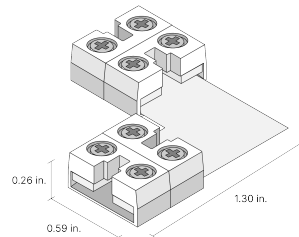
DI-TB12-CONN-TTW

Tape Light Terminal Block Connector, Screw Down, 12mm, Tape-To-Wire



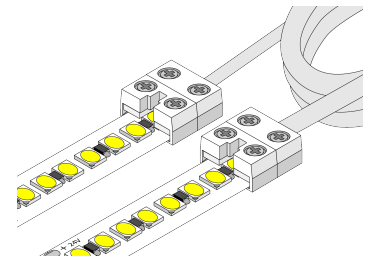
DI-TB12-90-TTT

Tape Light 90 Degree Corner Connector With Attached 12mm Tape-to-Tape Terminal Blocks



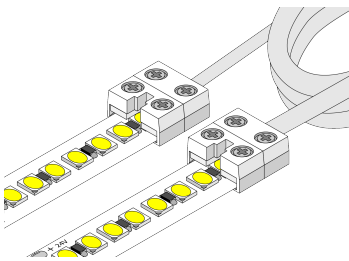
DI-TB12-6JPR-TTT

Tape Light Terminal Block, 12mm, Jumper Cable (Tape to Tape), 6 in. 20 AWG Wire Lead, White



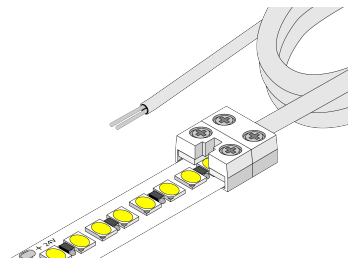
DI-TB12-60JPR-TTT

Tape Light Terminal Block, 12mm, Jumper Cable (Tape to Tape), 60 in. 20 AWG Wire Lead, White



DI-TB12-60SPL-TTW

Tape Light Terminal Block, 12mm, Lead Wire Attached (Tape to Wire), 60 in. 20 AWG Splice Wire, White



DELIVERY OPTIONS

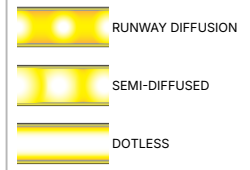
- **Field Assembly**
Fastest order fulfillment. Field connectors and accessories not included.
- **Factory + Field (Hybrid)**
Onsite modifications with factory connection. Additional accessories not included.
- **Factory Assembly**
Fastest Installation. Factory made-to-order fixtures.



RECOMMENDED CHANNELS

For additional information visit:
<https://www.diodeled.com/products/channels.html>

- S1
 - S2
 - S45
 - A1
 - A2
 - A3
 - SLIM
 - 16MM
 - 20MM ROUND
 - 20MM SQUARE
 - SQUARE
- 45°
 - 45° DECO
 - 90° SIDEVIEW
 - REFLECTOR
 - ROD
 - S1 CUT-OFF
 - MUD-IN 1 IN.
 - MUD-IN SINGLE FLANGE
 - MUD-IN 1 IN. WALL REVEAL
 - MUD-IN 2 IN.
 - RECESSED
- SLIM RECESSED
 - SHORT RECESSED
 - RECESSED 45-DEGREE
 - RECESSED ANGLE
 - SHORT WALK-OVER
 - WALK-OVER
 - SCONCE
 - GRAZER
 - WAVEFORM



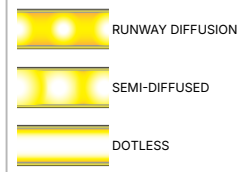
MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
S1 Channel DI-CHB-S1 (S1) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwTb	Height (H): 0.31 in. Width (W): 0.67 in. Interior Depth (ID): 0.25 in. Interior Width (IW): 0.59 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	<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 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	<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 	 S2 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 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	<ul style="list-style-type: none"> • 12mm Terminal Block 	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 	 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 1 retaining clip End caps: 1x open, 1x closed. 90 in. channel & lens 4x surface mounting clips 2x strain relief clip End caps: 2x open, 2x closed, 2x slotted	<ul style="list-style-type: none"> • 12mm Terminal Block 	Architectural Frosted Lens	<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://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. 	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 Regress Lens <ul style="list-style-type: none"> • Light Loss: 30% • CCT Shift: -35K 	 U-Clip: 0.56 x 0.64 in. (H x W)



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 - A2
 - A3
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 - 16MM
 - 20MM ROUND
 - 20MM SQUARE
 - SQUARE
- 45°
 - 45° DECO
 - 90° SIDEVIEW
 - REFLECTOR
 - ROD
 - S1 CUT-OFF
 - MUD-IN 1 IN.
 - MUD-IN SINGLE FLANGE
 - MUD-IN 1 IN. WALL REVEAL
 - MUD-IN 2 IN.
 - RECESSED
- SLIM RECESSED
 - SHORT RECESSED
 - RECESSED 45-DEGREE
 - RECESSED ANGLE
 - SHORT WALK-OVER
 - WALK-OVER
 - SCONCE
 - GRAZER
 - WAVEFORM



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://qrco.de/bf6nGo		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 Regress Lens <ul style="list-style-type: none"> • Light Loss: 30% • CCT Shift: -35K 	<p>U-Clip: 0.4 × 0.64 in. (H x W)</p>
SLIM Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller https://qrco.de/bdlwSm		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"> • 12mm Terminal Block 	Architectural Frosted Lens Premium Diffusion Lens 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 	<p>Slim Mount: 0.54 × 0.87 in. (H x W)</p> <p>3M Adhesive: 0.48 × 0.82 in. (H x W)</p> <p>Magnetic U-Clip: 0.55 × 0.82 in. (H x W)</p>
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"> • 12mm Terminal Block 	Architectural Frosted Lens	<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 	<p>Mounting Clip: 0.89 × 0.77 in. (H x W)</p>
20MM ROUND Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwit		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"> • 12mm Terminal Block 	Classic Frosted Lens	<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 	<p>U-Clip: 1.19 × 1.19 in. (H x W)</p>
20MM SQUARE Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum https://qrco.de/bdlwiN		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"> • 12mm Terminal Block 	Classic Frosted Lens	<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 	<p>U-Clip: 1.19 × 1.19 in. (H x W)</p>



RECOMMENDED CHANNELS

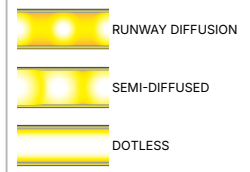
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- S1
- S2
- S45
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- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE
- SQUARE

- 45°
- 45° DECO
- 90° SIDEVIEW
- REFLECTOR
- ROD
- S1 CUT-OFF
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.
- RECESSED

- SLIM RECESSED
- SHORT RECESSED
- RECESSED 45-DEGREE
- RECESSED ANGLE
- SHORT WALK-OVER
- WALK-OVER
- SCONCE
- GRAZER
- WAVEFORM



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://qrco.de/bdlwWF		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"> • 12mm Terminal Block 	Architectural Frosted Lens Premium Diffusion Lens 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://qrco.de/bdlwax		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"> • 12mm Terminal Block 	Architectural Frosted Lens Premium Diffusion Lens 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 	
45° DECO Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bdlwZs		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	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K 	
90° SIDEVIEW Channel DI-CPCHB-90SD (90) 48", 96" Aluminum For 12mm Tape Lights or smaller https://qrco.de/bdlwUv		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	<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 https://qrco.de/bdlwVn		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	<ul style="list-style-type: none"> • Beam Angle: 120° • IP Rating Shift: IP20 • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K 	



RECOMMENDED CHANNELS

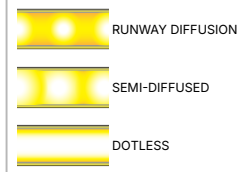
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- S1 CUT-OFF
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.
- RECESSED

- SLIM RECESSED
- SHORT RECESSED
- RECESSED 45-DEGREE
- RECESSED ANGLE
- SHORT WALK-OVER
- WALK-OVER
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- GRAZER
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ROD Channel DI-CPCHB-RDCL (ROD) 48", 96" Aluminum For 12mm Tape Lights or smaller https://qrco.de/bdlwtP		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	<ul style="list-style-type: none"> • Soldered Lead Only 	Classic Frosted Lens	<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 	
S1 CUT-OFF Channel DI-CHB-S1CO (S1CO) 96" Aluminum For 12mm Tape Lights or smaller https://qrco.de/bfmbtX		96 in. channel & lens 4x rotating mounting clips End caps: 2x open, 2x 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 	
MUD-IN 1 IN. Channel DI-CPCHB-MUD1 (M1) 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	<ul style="list-style-type: none"> • 12mm Terminal Block 	Opal 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 Opal Lens <ul style="list-style-type: none"> • Light Loss: 55% • CCT Shift: -200K 	
MUD-IN SINGLE FLANGE Channel DI-CPCHB-MUD1-SF (MUD1-SF) 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bfmbS		96 in. channel & lens End caps: 2x open, 2x 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 	
MUD-IN 1 IN. WALL REVEAL Channel DI-CPCHB-MUD1-WREV (MUD1-WREV) 96" Aluminum		96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> • 12mm Terminal Block 	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 	

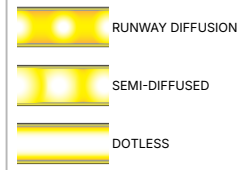


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- WAVEFORM



MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
MUD-IN 2 IN. Channel DI-CPCHB-MUD2 (M12) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwpY		96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed.	<ul style="list-style-type: none"> • 12mm Terminal Block 	Opal Lens	<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 	<p>Recessed Mount: 0.8 × 3.96 in. (H × W)</p>
RECESSED Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller https://qrco.de/bdlwXH		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.	<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 	<p>Recessed Mount: 0.49 × 1.03 in. (H × W)</p> <p>Mounting Clip: 0.49 × 1.03 in. (H × W)</p>
SLIM RECESSED Channel DI-CPCHB-SLR (SLR) 48", 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bdlwYE		48 in. channel & frosted lens End caps: 1x open square, 1x open round, 1x closed square 96 in. channel & frosted lens End caps: 1x open square, 1x open round, 1x closed square.	<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 	<p>Recessed Mount: 0.38 × 0.65 in. (H × W)</p>
SHORT RECESSED Channel DI-CPCHB-SHREC (SHREC) 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bfmbvS		96 in. channel & lens 4x mounting clips End caps: 2x open, 2x 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 	<p>Recessed Mount: 0.31 × 0.98 in. (H × W)</p> <p>Mounting Clip: 0.31 × 0.98 in. (H × W)</p>
RECESSED 45-DEGREE Channel DI-CPCHB-45REC (45REC) 96" Aluminum https://qrco.de/bfmbt8		96 in. channel & lens End caps: 2x open, 2x 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 	<p>Recessed Mount: 0.57 × 1.26 in. (H × W)</p>



RECOMMENDED CHANNELS

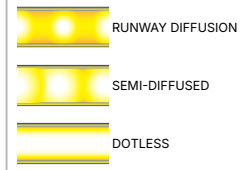
For additional information visit:

<https://www.diodeled.com/products/channels.html>

- S1
- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE
- SQUARE

- 45°
- 45° DECO
- 90° SIDEVIEW
- REFLECTOR
- ROD
- S1 CUT-OFF
- MUD-IN 1 IN.
- MUD-IN SINGLE FLANGE
- MUD-IN 1 IN. WALL REVEAL
- MUD-IN 2 IN.
- RECESSED

- SLIM RECESSED
- SHORT RECESSED
- RECESSED 45-DEGREE
- RECESSED ANGLE
- SHORT WALK-OVER
- WALK-OVER
- SCONCE
- GRAZER
- WAVEFORM



MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
RECESSED ANGLE 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	• 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)
SHORT WALK-OVER Channel DI-CPCHB-SWO (SWO) 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bfmbuE		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: 0.44 x 1.06 in. (H x W)
WALK-OVER Channel DI-CPCHB-WO (WO) 96" Aluminum For 10mm Tape Lights or smaller https://qrco.de/bq1VOp		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.	• 12mm Terminal Block	Classic Frosted Lens	• 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 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	• Beam Angle: 24° • IP Rating Shift: IP20	 Mounting Clip: 0.69 x 0.62 in. (H x W)



RECOMMENDED CHANNELS

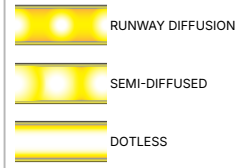
For additional information visit:

<https://www.diodeled.com/products/channels.html>

- S1
- S2
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- SLIM
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- 45° DECO
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- S1 CUT-OFF
- MUD-IN 1 IN.
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- SLIM RECESSED
- SHORT RECESSED
- RECESSED 45-DEGREE
- RECESSED ANGLE
- SHORT WALK-OVER
- WALK-OVER
- SCONCE
- GRAZER
- WAVEFORM



MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
WAVEFORM Channel DI-CPCHB-WF (WF) 48" Aluminum For 12mm Tape Lights or smaller https://qrco.de/bdlwn0	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 × 0.71 in. (H × W) U-Clip: 0.31 × 0.72 in. (H × W)

RECOMMENDED POWER SUPPLIES

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

- OMNIDRIVE X
- VLM
- 0-10V
- ADAPTER - PLUG IN
- CONSTANT VOLTAGE DRIVER
- LUTRON
- MEANWELL
- SWITCHEX+



OMNIDRIVE® X DIMMABLE DRIVER

For additional information visit:

<https://www.diodeled.com/omnidrive-reg-x-electronic-and-0-10v-dimmable-driver.html>

Versatile driver for most high-performance dimming on ELV, TRIAC, and 0-10V systems.

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-ODX-24V30W	Class 2, Dimmable 6.1 × 2.1 × 0.8 in.	120-277V	24V / 30W	None
DI-ODX-24V30W-J	Class 2, Dimmable 6.5 × 3.7 × 1.57 in.	120-277V	24V / 30W	None
DI-AWNAUX-ODX-24V30W-LPS3R	Class 2, Dimmable 10.79 × 7.34 × 2.36 in.	120-277V	24V / 30W	None
DI-AWN-ODX-24V30W-J	Class 2, Dimmable 6.5 × 3.7 × 1.57 in.	120-277V	24V / 30W	None
DI-ODX-24V60W	Class 2, Dimmable 7 × 2.4 × 1 in.	120-277V	24V / 60W	None
DI-ODX-24V60W-J	Class 2, Dimmable 7.4 × 3.7 × 1.57 in.	120-277V	24V / 60W	None
DI-AWNAUX-ODX-24V60W-LPS3R	Class 2, Dimmable 10.79 × 7.34 × 2.36 in.	120-277V	24V / 60W	None
DI-AWN-ODX-24V60W-J	Class 2, Dimmable 7.4 × 3.7 × 1.57 in.	120-277V	24V / 60W	None
DI-ODX-24V96W	Class 2, Dimmable 9 × 2.7 × 1.7 in.	120-277V	24V / 96W	None



0-10V DIMMABLE LED DRIVER

For additional information visit:

<https://www.diodeled.com/commercial-grade-0-10v-dimmable-drivers.html>

Driver for cost-effective dimming on 0-10V control systems.

SKU	GENERAL SPECS	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE & MAXIMUM LOAD	MINIMUM LOAD
DI-DM-MW24V60W-0-10V	Class 2 5.9 × 2.1 × 1.4 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-DM-MW24V60W-0-10V-LPS	Class 2 11.25 × 3.75 × 1.9 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-DM-MW24V60W-0-10V-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 ~ 277VAC 50/60Hz	24V / 60W	None
DI-DM-MW24V90W-0-10V	Class 2 6.8 × 2.5 × 1.5 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-DM-MW24V90W-0-10V-LPL	Class 2 13.5 × 4.5 × 3.75 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None
DI-DM-MW24V90W-0-10V-LPS3R	Class 2 10.79 × 7.34 × 2.36 in.	120 ~ 277VAC 50/60Hz	24V / 90W	None



VLM SERIES CONSTANT VOLTAGE DRIVER

For additional information visit:

<https://www.diodeled.com/vlm-series-led-driver.html>

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

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

RECOMMENDED CONTROLLERS

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



CASAMBI® CONTROLLERS

For additional information visit:

<https://www.diodeled.com/casambi-controllers-3020.html>

The CASAMBI controllers will remotely control your lighting through the app - downloadable for IOS & Android.



TOUCHDIAL™ CONTROL SYSTEMS

For additional information visit:

<https://www.diodeled.com/touchdial-wifi-color-control-system.html>

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

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

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.

WARRANTY

Limited Warranty

- 10 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 in-field 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.