

**VALENT® Tunable White LED Tape Light**

Tunable white light that changes color temperature (CCT) at the push of a button or DMX controls.  
Change the light from warm to cool for aesthetic or circadian effects.

Date \_\_\_\_\_

Project Notes \_\_\_\_\_



**FEATURES**

- Tunable white light range
- Wide kelvin range from 1800K-4000K
- Up to 400 lm/ft.
- Controllable from a variety of technology choices
- 3M™ adhesive backing
- 10 Year Limited Warranty



**ORDERING CODES**

Order spools, and components for field assembly

**HYBRID ORDERING CODE (OPTIONAL)**

Soldered Wire Lead and Connection Options

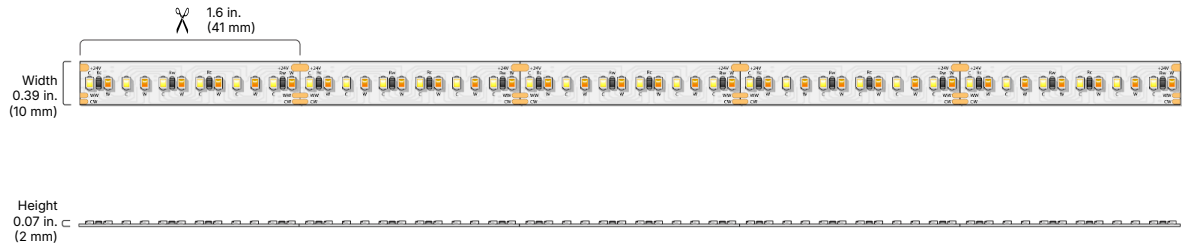
DI	Voltage	Model	CCT	Length	Input Wire Color, Length, and Connection			Output Wire Color, Length, and Connection		
					Color & Type	Length	Connection	Color & Type	Length	Connection
	24V (24V Volt)	VL	TW1840 (1800K-4000K)	016 (16 feet)  100 (100 feet)  CSTM_ (__in.)	<b>WH</b> (White CL2 - Default)	<b>36l</b> (36 in. - Default)	<b>BW</b> (Bare Wire - Default)	<b>*blank*</b> (No Wire - Default)		
					BL (Black CL2)	__ in.	MIC (Interconnect)	WH (White CL2)  BL (Black CL2)	__ in.	BW (Bare Wire - Default)  MIC (Interconnect)

**GENERAL SPECIFICATIONS (ALL MODELS)**

<b>Voltage</b>	24VDC
<b>Wattage</b>	5.85W/ft.
<b>1800K-4000K</b>	1800K: 167 Lm/ft. 4000K: 275 Lm/ft. All on: 400 Lm/ft.
<b>Cut Points</b>	1.6 in.
<b>Dimmable</b>	Yes
<b>Max Run (ft.)</b>	16.4 ft.
<b>CRI</b>	90+
<b>Dimensions</b>	0.39 x 0.07 in. (W x H)
<b>TM-21 (LM-80)</b>	>50,000 hours
<b>Environment</b>	Indoor/Damp Location (IP20)
<b>LED Chips</b>	87/ft.
<b>Chip Type</b>	2216
<b>Certification</b>	UL Listed 2108
<b>Limited Warranty</b>	10 Year Limited Warranty

**MECHANICAL DIAGRAMS**

24V-VL-TW1840



**CONNECTIONS**



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

**DELIVERY OPTIONS**

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

RECOMMENDED CHANNELS

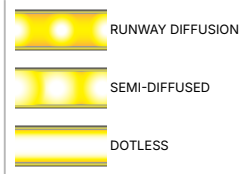
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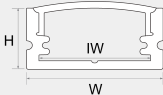
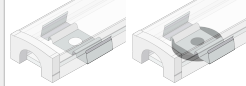
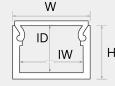

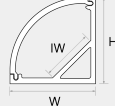
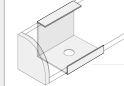
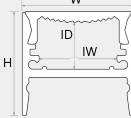

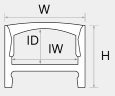
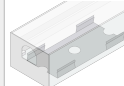


- S1
- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE
- SQUARE

- 45°
- 45° DECO
- 90° SIDEVIEW
- REFLECTOR
- ROD
- ST 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
<b>S1 Channel</b> DI-CHB-S1 (S1) 48", 96" Aluminum For 14mm Tape Lights or smaller		48 in. channel & frosted cover 2x surface mounting clips End caps: 1x open, 1x closed.	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	 <p>U-Clip: 0.32 x 0.68 in. (H x W)</p> <p>S1 Magnetic U-Clip: 0.53 x 0.67 in. (H x W)</p>
<b>S2 Channel</b> DI-CHB-S2 (S2) 48", 96" Aluminum For 14mm Tape Lights or smaller		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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	 <p>S2 Clip: 0.63 x 0.84 in. (H x W)</p>
<b>S45 Channel</b> DI-CHB-S45 (S45) 48", 96" Aluminum For 14mm Tape Lights or smaller		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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	 <p>U-Clip: 0.79 x 0.79 in. (H x W)</p>
<b>A1 Channel</b> DI-CHB-A1 (A1) 48", 90" Aluminum, White, Black For 14mm Tape Lights or smaller <a href="https://larco.de/bfWcO9">https://larco.de/bfWcO9</a>		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"> <li>• Soldered Lead Only</li> </ul>	Architectural Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Architectural Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> </ul>	 <p>U-Clip: 0.82 x 0.88 in. (H x W)</p>
<b>A2 Channel</b> DI-CHB-A2 (A2) 48", 96" Aluminum, White, Black <a href="https://larco.de/bfWcOL">https://larco.de/bfWcOL</a>		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"> <li>• Soldered Lead Only</li> </ul>	Architectural Frosted Satin Lens VL: Dotless  Architectural Frosted Lens VL: Semi-Diffused  For diffusion options not listed, refer to A2 Channel Specification Sheet.	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Architectural Clear Lens <ul style="list-style-type: none"> <li>• Light Loss: 10%</li> <li>• CCT Shift: -20K</li> </ul> Architectural Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> </ul> Architectural Frosted Satin Lens <ul style="list-style-type: none"> <li>• Light Loss: 45%</li> <li>• CCT Shift: -80K</li> </ul> Regress Lens <ul style="list-style-type: none"> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> </ul>	 <p>U-Clip: 0.56 x 0.64 in. (H x W)</p>

**RECOMMENDED CHANNELS**

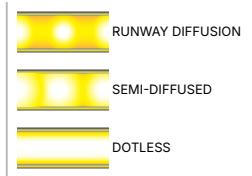
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MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
<b>A3 Channel</b> DI-CHB-A3 (A3) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller <a href="https://arco.de/bfWcOS">https://arco.de/bfWcOS</a>		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"> <li>• Soldered Lead Only</li> </ul>	Architectural Frosted Satin Lens VL: Dotless  Architectural Frosted Lens VL: Semi-Diffused  For diffusion options not listed, refer to A3 Channel Specification Sheet.	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Architectural Clear Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 10%</li> <li>• CCT Shift: -20K</li> </ul> </li> <li>• Architectural Frosted Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> </ul> </li> <li>• Architectural Frosted Satin Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 45%</li> <li>• CCT Shift: -80K</li> </ul> </li> <li>• Regress Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> </ul> </li> </ul>	<p>U-Clip: 0.4 x 0.64 in. (H x W)</p>
<b>SLIM Channel</b> DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller <a href="https://arco.de/bfWcOX">https://arco.de/bfWcOX</a>		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"> <li>• Soldered Lead Only</li> </ul>	Architectural Frosted Lens VL: Semi-Diffused  Premium Diffusion Lens VL: Dotless  For diffusion options not listed, refer to SLIM Channel Specification Sheet.	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Architectural Clear Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 10%</li> <li>• CCT Shift: -20K</li> </ul> </li> <li>• Architectural Frosted Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> </ul> </li> <li>• Classic Frosted Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul> </li> <li>• Premium Diffusion Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 10%</li> <li>• CCT Shift: -30K</li> </ul> </li> </ul>	<p>Slim Mount: 0.54 x 0.87 in. (H x W)</p> <p>3M Adhesive: 0.48 x 0.82 in. (H x W)</p> <p>Magnetic U-Clip: 0.59 x 0.82 in. (H x W)</p> <p>Premium Diffusion: 0.96 x 0.82 in. (H x W)</p>
<b>16MM Channel</b> 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"> <li>• Soldered Lead Only</li> </ul>	Architectural Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Architectural Frosted Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> </ul> </li> </ul>	<p>Mounting Clip: 0.89 x 0.77 in. (H x W)</p>
<b>20MM ROUND Channel</b> 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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 180°</li> <li>• IP Rating Shift: IP20</li> <li>• Classic Frosted Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul> </li> </ul>	<p>U-Clip: 1.19 x 1.19 in. (H x W)</p>
<b>20MM SQUARE Channel</b> 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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 180°</li> <li>• IP Rating Shift: IP20</li> <li>• Classic Frosted Lens                             <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul> </li> </ul>	<p>U-Clip: 1.19 x 1.19 in. (H x W)</p>

**RECOMMENDED CHANNELS**

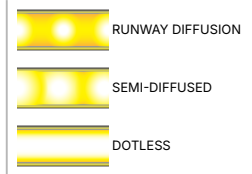
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- 20MM SQUARE
- SQUARE

- 45°
- 45° DECO
- 90° SIDEVIEW
- REFLECTOR
- ROD
- ST 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
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- RECESSED ANGLE
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<b>SQUARE Channel</b> DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller <a href="https://arco.de/bfWcP1">https://arco.de/bfWcP1</a>		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"> <li>• Soldered Lead Only</li> </ul>	Architectural Frosted Lens VL: Semi-Diffused  Premium Diffusion Lens VL: Dotless  For diffusion options not listed, refer to SQUARE Channel Specification Sheet.	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Architectural Clear Lens</li> <li>• Light Loss: 10%</li> <li>• CCT Shift: -20K</li> <li>• Architectural Frosted Lens</li> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> <li>• Classic Frosted Lens</li> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> <li>• Premium Diffusion Lens</li> <li>• Light Loss: 10%</li> <li>• CCT Shift: -30K</li> </ul>	
<b>45° Channel</b> DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller <a href="https://arco.de/bfWcP7">https://arco.de/bfWcP7</a>		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"> <li>• Soldered Lead Only</li> </ul>	Architectural Frosted Lens VL: Semi-Diffused  Premium Diffusion Lens VL: Dotless  For diffusion options not listed, refer to 45° Channel Specification Sheet.	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Architectural Clear Lens</li> <li>• Light Loss: 10%</li> <li>• CCT Shift: -20K</li> <li>• Architectural Frosted Lens</li> <li>• Light Loss: 30%</li> <li>• CCT Shift: -35K</li> <li>• Classic Frosted Lens</li> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> <li>• Premium Diffusion Lens</li> <li>• Light Loss: 10%</li> <li>• CCT Shift: -30K</li> </ul>	
<b>45° DECO Channel</b> DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm 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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Classic Frosted Lens</li> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>90° SIDEVIEW Channel</b> 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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Classic Frosted Lens</li> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>REFLECTOR Channel</b> DI-CPCHB-RFCTR (REF) 48", 96" Aluminum <a href="https://arco.de/bgFrkq">https://arco.de/bgFrkq</a>		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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> <li>• Classic Frosted Lens</li> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	

**RECOMMENDED CHANNELS**

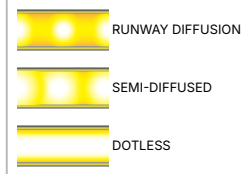
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MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
<b>ROD Channel</b> DI-CPCHB-RDCL (ROD) 48", 96" Aluminum For 12mm Tape Lights or smaller		78.74 in. channel & frosted lens 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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 180°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>S1 CUT-OFF Channel</b> DI-CHB-S1CO (S1CO) 96" Aluminum For 12mm Tape Lights or smaller <a href="https://arco.de/bfmc8m">https://arco.de/bfmc8m</a>		96 in. channel & lens 4x rotating mounting clips End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>MUD-IN 1 IN. Channel</b> DI-CPCHB-MUD1 (M1) 48", 96" Aluminum For 14mm Tape Lights or smaller <a href="https://arco.de/bfWcPY">https://arco.de/bfWcPY</a>		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"> <li>• Soldered Lead Only</li> </ul>	Opal Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul> Opal Lens <ul style="list-style-type: none"> <li>• Light Loss: 55%</li> <li>• CCT Shift: -200K</li> </ul>	
<b>MUD-IN SINGLE FLANGE Channel</b> DI-CPCHB-MUD1-SF (MUD1-SF) 96" Aluminum For 14mm Tape Lights or smaller <a href="https://arco.de/bfmc4y">https://arco.de/bfmc4y</a>		96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>MUD-IN 1 IN. WALL REVEAL Channel</b> DI-CPCHB-MUD1-WREV (MUD1-WREV) 96" Aluminum <a href="https://arco.de/bfmc52">https://arco.de/bfmc52</a>		96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	

**RECOMMENDED CHANNELS**

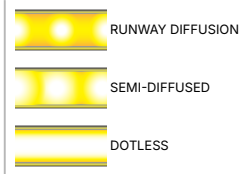
For additional information visit:  
<https://lucetta.com/products/channel-profiles-2-2-3>

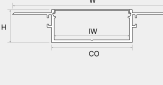
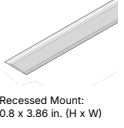
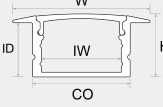
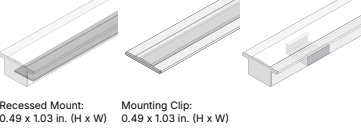
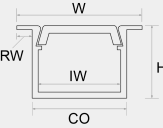
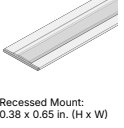
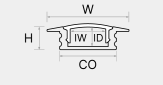
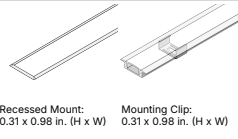
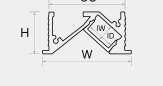
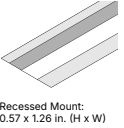


- S1
- S2
- S45
- A1
- A2
- A3
- SLIM
- 16MM
- 20MM ROUND
- 20MM SQUARE
- SQUARE

- 45°
- 45° DECO
- 90° SIDEVIEW
- REFLECTOR
- ROD
- ST 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
<b>MUD-IN 2 IN. Channel</b> 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.	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Opal Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Opal Lens <ul style="list-style-type: none"> <li>• Light Loss: 55%</li> <li>• CCT Shift: -200K</li> </ul>	
<b>RECESSED Channel</b> DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller <a href="https://qrco.de/bfWcPS">https://qrco.de/bfWcPS</a>		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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>SLIM RECESSED Channel</b> DI-CPCHB-SLR (SLR) 48", 96" Aluminum For 10mm Tape Lights or smaller		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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>SHORT RECESSED Channel</b> DI-CPCHB-SHREC (SHREC) 96" Aluminum For 10mm Tape Lights or smaller <a href="https://qrco.de/bfmc5m">https://qrco.de/bfmc5m</a>		96 in. channel & lens 4x mounting clips End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	
<b>RECESSED 45-DEGREE Channel</b> DI-CPCHB-45REC (45REC) 96" Aluminum <a href="https://qrco.de/bfmc5x">https://qrco.de/bfmc5x</a>		96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	

RECOMMENDED CHANNELS

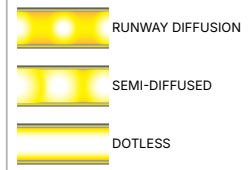
For additional information visit:  
<https://lucettaci.com/products/channel-profiles-2-2-3>



- S1
- S2
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- REFLECTOR
- ROD
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- 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
<b>RECESSED ANGLE Channel</b> DI-CPCHB-AREC (AREC) 96" Aluminum For 10mm Tape Lights or smaller <a href="https://qrco.de/bfmc67">https://qrco.de/bfmc67</a>		96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	ReCESSED Mount: 0.46 x 0.78 in. (H x W)
<b>SHORT WALK-OVER Channel</b> DI-CPCHB-SWO (SWO) 96" Aluminum For 10mm Tape Lights or smaller <a href="https://qrco.de/bfmcAV">https://qrco.de/bfmcAV</a>		96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	ReCESSED Mount: 0.44 x 1.06 in. (H x W)
<b>WALK-OVER Channel</b> DI-CPCHB-WO (WO) 96" Aluminum For 10mm Tape Lights or smaller <a href="https://qrco.de/bfmcAe">https://qrco.de/bfmcAe</a>		96 in. channel & lens End caps: 2x open, 2x closed	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	ReCESSED Mount: 1.05 x 0.84 in. (H x W)
<b>SCONCE Channel</b> DI-CPCHB-SCNC (SCNC) 48", 96" Aluminum For 14mm Tape Lights or smaller		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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	3M Adhesive: 1.2 x 1.21 in. (H x W)
<b>GRAZER Channel</b> DI-CPCHB-GZRN (GZR) 48", 96" Aluminum		48 in. channel & clear matte optic lens  96 in. channel & clear matte optic lens	<ul style="list-style-type: none"> <li>• Soldered Lead Only</li> </ul>	Clear Matte Optics Lens VL: Semi-Diffused	<ul style="list-style-type: none"> <li>• Beam Angle: 24°</li> <li>• IP Rating Shift: IP20</li> </ul>	Mounting Clip: 0.69 x 0.62 in. (H x W)

**RECOMMENDED CHANNELS**

For additional information visit:

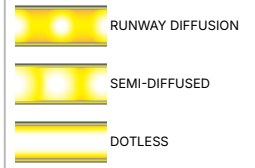
<https://lucettaci.com/products/channel-profiles-2-2-3>



- S1
- S2
- S45
- A1
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- 45°
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- 90° SIDEVIEW
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- 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
<b>WAVEFORM Channel</b> DI-CPCHB-WF (WF) 48" Aluminum For 12mm Tape Lights or smaller <a href="https://arco.de/bgfs23">https://arco.de/bgfs23</a>	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"> <li>• Soldered Lead Only</li> </ul>	Classic Frosted Lens VL: Dotless	<ul style="list-style-type: none"> <li>• Beam Angle: 120°</li> <li>• IP Rating Shift: IP20</li> </ul> Classic Frosted Lens <ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>	<p>3M Adhesive: 0.4 x 0.71 in. (H x W)</p> <p>U-Clip: 0.31 x 0.72 in. (H x W)</p>

**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](http://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-TW-4	TOUCHDIAL Color Control System - 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

- 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.dioleed.com/limited-warranty/](http://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.