



ORO™ COB LED Tape Light

Ultra-performance, diffused COB tape light designed for smooth, continuous illumination. Featuring CELESTE® technology for superior color fidelity, delivering uniform light output in luxurious environments.

<https://qrco.de/bgb1TL>



Features

- Dot-free illumination
- Smooth dimming performance housed in a discreet, small form
- Consistent, high-fidelity lighting
- Maximum illumination up to 600 Lm/ft.

General Specifications

Voltage	24VDC
CRI	97+
Environment	Indoor / Damp Location (IP20)
Certification	UL Listed 2108
Warranty	12 Year Limited
Dimmable	Yes
TM-21 (LM-80)	>50,000
Ambient Temperature	-4 ~ +122°F (-20 ~ +50°C)
Operating Temperature	-4 ~ +176°F (-20 ~ +80°C)
LED Chips	74/ft.

SKU Builder

1	Brand	2	Voltage	3	Light Engine	4	Output	5	CCT	6	Length
	LCI		24		ORO-COB						
		24	(24VDC)	ORO-COB	(ORO COB)	100	(~100 Lm/ft.)	24	(2400K)	100	(100 Feet)
						250	(~250 Lm/ft.)	27	(2700K)	016	(16 Feet)
						400	(~400 Lm/ft.)	30	(3000K)		
						600	(~600 Lm/ft.)	35	(3500K)		

7 Entry A Wire Color, Length, and Connection			8 Entry B Wire Color, Length, and Connection		
Wire Color & Type	Wire Length	Wire Connection	Wire Color & Type	Wire Length	Wire Connection
WH (White CL2 - Default)	36i (36 in. - Default)	BW (Bare Wire - Default)	*blank* (No Wire - Default)	*blank* (No Wire - Default)	BW (Bare Wire - Default)
BL (Black CL2)	_ in.	DC (Barrel)	WH (White CL2)	_ in.	DC (Barrel)
SV* (Silver Plenum - *Bare Lead only)		MIC (Interconnect)	BL (Black CL2)		MIC (Interconnect)
			SV* (Silver Plenum - *Bare Lead only)		



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1	LCI	Brand
	LCI	Lucetta CI

2	24	Voltage
	24	(24VDC)







3	ORO-COB	Light Engine
	ORO-COB	(ORO COB)

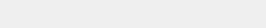




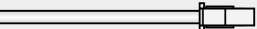

www.LucettaCI.com

4	Output	100	250	400	600
	Wattage	1.1 W/ft.	2.7 W/ft.	4.3 W/ft.	6.6 W/ft.
	Max Run (ft.)	50 ft.	35 ft.	22 ft.	14.5 ft.

5	CCT				
	Lumen Series	100	250	400	600
	24 (2400K)	97 Lm/ft.	246 Lm/ft.	345 Lm/ft.	576 Lm/ft.
	27 (2700K)	99 Lm/ft.	252 Lm/ft.	375 Lm/ft.	580 Lm/ft.
	30 (3000K)	86 Lm/ft.	239 Lm/ft.	384 Lm/ft.	582 Lm/ft.
	35 (3500K)	95 Lm/ft.	245 Lm/ft.	381 Lm/ft.	588 Lm/ft.

6	Length
	100 (100 Feet)
	016 (16 Feet)

7	Entry A Wire Color, Length, and Connection			
WH (White CL2 - Default)	 36I (36 in. - Default)	BW (Bare Wire - Default)	20/2 AWG - 3.95mm (Dia.)	
BL (Black CL2)	 _ in.	DC (Barrel)	11.43mm (Dia.)	
SV* (Silver Plenum - *Bare Lead only)		MIC (Interconnect)	6.9mm x 5.6mm (W x H)	

8	Entry B Wire Color, Length, and Connection			
blank (No Wire - Default)	 *blank* (No Wire - Default)	BW (Bare Wire - Default)	20/2 AWG - 3.95mm (Dia.)	
WH (White CL2)	 _ in.	DC (Barrel)	11.43mm (Dia.)	
BL (Black CL2)		MIC (Interconnect)	8.3mm x 7.1mm (W x H)	
SV* (Silver Plenum - *Bare Lead only)				



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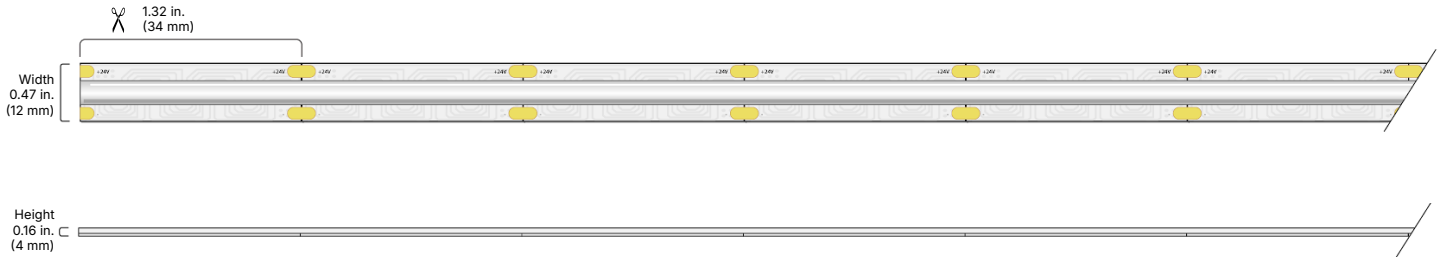
Ultra-performance, diffused COB tape light designed for smooth, continuous illumination. Featuring CELESTE® technology for superior color fidelity, delivering uniform light output in luxurious environments.

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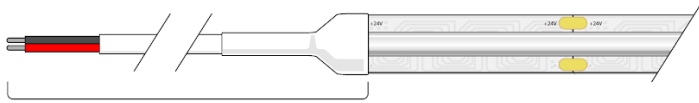


Dimensions

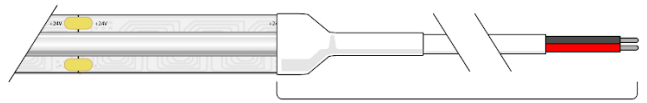
100, 250, 400, 600



Connection



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



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



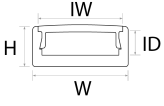
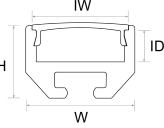
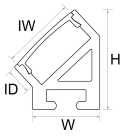
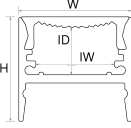
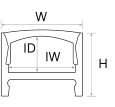
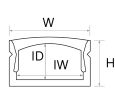
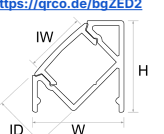
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Recommended Channels

FSL	Dimensions	Included Accessories	Available Lenses	Available Colors	Mounting Options
LCI-CHAN-FSL https://qrco.de/bfWcOX 	Height (H): 0.38 in. Width (W): 0.82 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.67 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) AF (Arch. Frosted Lens) AC (Arch. Clear Lens) BL (Black Lens) PD (Premium Diffusion Lens) 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> Slim Mount 3M Adhesive Magnetic U-Clip
FSQ LCI-CHAN-FSQ https://qrco.de/bfWcP1 	Height (H): 0.55 in. Width (W): 0.82 in. Interior Depth (ID): 0.27 in. Interior Width (IW): 0.67 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) AF (Arch. Frosted Lens) AC (Arch. Clear Lens) BL (Black Lens) PD (Premium Diffusion Lens) 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> Chromapath Surface Mount Aiming Bracket Rotating Mount Hanging Mount Vertical Mount
F45 LCI-CHAN-F45 https://qrco.de/bfWcP7 	Height (H): 0.94 in. Width (W): 0.67 in. Interior Depth (ID): 0.32 in. Interior Width (IW): 0.67 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) AF (Arch. Frosted Lens) AC (Arch. Clear Lens) BL (Black Lens) PD (Premium Diffusion Lens) 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> Chromapath Surface Mount Vertical Mount Rotating Mount Hanging Mount
AR1 LCI-CHAN-AR1 https://qrco.de/bfWcO9 	Height (H): 0.81 in. Width (W): 0.87 in. Interior Depth (ID): 0.45 in. Interior Width (IW): 0.79 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> AF (Arch. Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> U-Clip
AR2 LCI-CHAN-AR2 https://qrco.de/bfWcO1 	Height (H): 0.55 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.48 in. Interior Width W/Lens (IWL): 0.4 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> Regress Lens AF (Arch. Frosted Lens) AC (Arch. Clear Lens) Architectural Frosted Satin Lens 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> U-Clip
AR3 LCI-CHAN-AR3 https://qrco.de/bfWcO5 	Height (H): 0.39 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.48 in. Interior Width W/Lens (IWL): 0.4 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> Regress Lens AF (Arch. Frosted Lens) AC (Arch. Clear Lens) Architectural Frosted Satin Lens 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> U-Clip Flat Louver
AR45 LCI-CHAN-AR45 https://qrco.de/bqZED2 	Height (H): 0.73 in. Width (W): 0.73 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.49 in. Interior Width W/Lens (IWL): 0.41 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> AF (Arch. Frosted Lens) AC (Arch. Clear Lens) Architectural Frosted Satin Lens Regress Lens 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> Mounting Clip



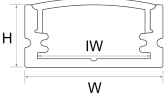
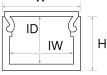
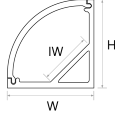
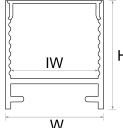
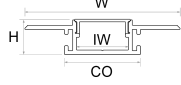
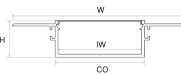
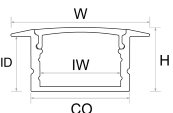
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Recommended Channels (Cont.)

FS1	Dimensions	Included Accessories	Available Lenses	Available Colors	Mounting Options
LCI-CHAN-FS1 https://qrco.de/bgZEBN 	Height (H): 0.31 in. Width (W): 0.67 in. Interior Depth (ID): 0.25 in. Interior Width (IW): 0.58 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> U-Clip S1 Magnetic U-Clip
FS2 LCI-CHAN-FS2 https://qrco.de/bgZEAS 	Height (H): 0.57 in. Width (W): 0.74 in. Interior Depth (ID): 0.34 in. Interior Width (IW): 0.65 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> S2 Clip
FS45 LCI-CHAN-FS45 https://qrco.de/bgZE8y 	Height (H): 0.78 in. Width (W): 0.78 in. Interior Depth (ID): 0.54 in. Interior Width (IW): 0.6 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) W (White) B (Black) 	<ul style="list-style-type: none"> U-Clip
F16 LCI-CHAN-F16 https://qrco.de/bgZE7x 	Height (H): 0.89 in. Width (W): 0.77 in. Interior Depth (ID): 0.58 in. Interior Width (IW): 0.63 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> AF (Arch. Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Mounting Clip
S1MUD LCI-CHAN-S1MUD https://qrco.de/bfWcPY 	Height (H): 0.54 in. Width (W): 2.42 in. Interior Depth (ID): 0.44 in. Interior Width (IW): 0.81 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed 96 in. channel & lens end caps: 2x open, 2x closed	<ul style="list-style-type: none"> OP (Opal Lens) FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Recessed Mount
S2MUD LCI-CHAN-S2MUD https://qrco.de/bgZE5c 	Height (H): 0.8 in. Width (W): 3.86 in. Interior Depth (ID): 0.69 in. Interior Width (IW): 1.84 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> OP (Opal Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Recessed Mount
SREC LCI-CHAN-SREC https://qrco.de/bfWcPS 	Height (H): 0.49 in. Width (W): 1.03 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.59 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Recessed Mount Mounting Clip

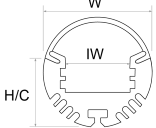


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Recommended Channels (Cont.)

SIMUD-REV	Dimensions	Included Accessories	Available Lenses	Available Colors	Mounting Options
LCI-CHAN-SIMUD-REV https://qrco.de/bggMTR 	Height (H): 1.37 in. Width (W): 1.93 in. Interior Depth (ID): 0.51 in. Interior Width (IW): 0.79 in. Cut Out Width (CO): 1.16 in.	96 in. channel & lens end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Recessed Mount
SIMUD-SF LCI-CHAN-SIMUD-SF https://qrco.de/bggMth 	Height (H): 0.57 in. Width (W): 1.47 in. Interior Depth (ID): 0.46 in. Interior Width (IW): 0.57 in. Cut Out Width (CO): 0.84 in.	96 in. channel & lens end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Recessed Mount
SSICO LCI-CHAN-SSICO https://qrco.de/bggMuQ 	Height (H): 0.24 in. Width (W): 0.63 in. Interior Depth (ID): 0.23 in. Interior Width (IW): 0.48 in. Cut Out (CO): 0.3 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Recessed Mount SSICO Rotating Mount
SLC LCI-CHAN-SLC https://qrco.de/bggMua 	Height (H): 0.78 in. Width (W): 0.59 in. Interior Depth (ID): 0.7 in. Interior Width (IW): 0.51 in.	None	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Surface Mount
SRDCL LCI-CHAN-SRDCL https://qrco.de/bggMun 	Height (H): 0.93 in. Width (W): 0.95 in. Interior Depth (ID): 0.5 in. Interior Width (IW): 0.48 in. Height W/o Cover (H): 0.72 in.	96 in. channel & lens 4x surface mounting clips end caps: 2x open, 2x closed	<ul style="list-style-type: none"> FR (Frosted Lens) 	<ul style="list-style-type: none"> A (Aluminum) 	<ul style="list-style-type: none"> Rotating Mount Wall Arm



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Recommended Power Supplies (Sold Separately)

BIANCO™ U Dimmable Driver

High-performance LED driver with smooth dimming, stable output, and universal compatibility with popular controls and systems.

- Universal dimming support (ELV, Triac, and 0–10V)
- No minimum load
- 100–277VAC universal input
- 0.1% Performance dimming



For more information, visit us at:

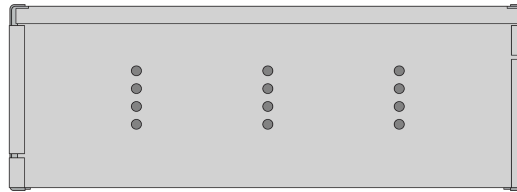
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SKU	General Specs	Input Voltage / Frequency	Output Voltage & Maximum Load	Minimum Load
BNCU-24V30W-J	Class 2, Dimmable 6.5 x 3.7 x 1.57 in.	100–277VAC, 50/60Hz	24V / 30W	None
BNCU-24V60W-J	Class 2, Dimmable 7.4 x 3.7 x 1.57 in.	100–277VAC, 50/60Hz	24V / 60W	None
BNCU-24V96W-J	Class 2, Dimmable 8.66 x 3.7 x 1.57 in.	100–277VAC, 50/60Hz	24V / 96W	None
BNCU-24V200W-J	Dimmable 10.24 x 4.13 x 1.77 in.	100–277VAC, 50/60Hz	24V / 200W	None
BNCU-24V300W-J	Dimmable 10.95 x 4.33 x 1.92 in.	100–277VAC, 50/60Hz	24V / 300W	None

VLM Series Constant Voltage Driver

Compact constant-voltage LED driver best utilized in dynamic applications.

- Compatible with PWM low voltage dimming systems
- Provides power for DMX integrated systems
- UL Listed junction box
- Small form factor



For more information, visit us at:

<https://qrco.de/bgZJJs>

SKU	General Specs	Input Voltage / Frequency	Output Voltage & Maximum Load	Minimum Load
LCI-VLM-24V60W-J	Class 2 8.19 x 2.94 x 1.31 in.	120 / 277VAC, 47 - 63Hz	24V / 60W	None
LCI-VLM-24V100W-J	Class 2 8.19 x 2.94 x 1.31 in.	120 / 277VAC, 47 - 63Hz	24V / 96W	None



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Safety

UL Listed 2108 Flexible Lighting Systems. Certified for United States and Canada. File # E506975.

UL Listed Field Cuttable.

CE & EMC Compliant: Verification No. GZEM141200683705V

Approved for storage areas of clothes closets per NEC 410.16.A.3 and 410.16.C.5

Environment

Ambient Temperature: -4 ~ +122°F (-20 ~ +50°C)

Operating Temperature: -4 ~ +176°F (-20 ~ +80°C)

Performance

Can be used to comply with TITL 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

Install in accordance with national and local electrical code regulations.

This product is intended to be installed and serviced by a qualified, licensed electrician.

Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.

Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.

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.

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.

Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.

Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings.

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.

Do not modify product beyond instructions or warranty will be void.

Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.

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.

- 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.

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.

Use of an unauthorized 3rd party driver with our lighting products may void the warranty.

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.