



# LUMLED CORPORATION

---LED Lighting Solutions



Retail ∞ Residential ∞ Commercial

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## LED TAPE LIGHTS

### X- W/FT High Efficacy No Dot Solid Color Tape Lights



**High-Efficacy Dot-Free Tape Light – Superior Brightness & Performance.** The High-Efficacy Dot-Free Tape Light is designed for maximum brightness, energy efficiency, and superior color rendering, making it an ideal choice for large-scale accent lighting and primary illumination. Built with LM-80 tested, 1-bin high-efficacy SMD2835 diodes and a 3-ounce thick copper PCB, this tape light ensures higher lumens per watt, better conductivity, and effective heat dissipation—offering a more stable and reliable lighting solution.

With an exceptional efficacy of up to 160 lumens per watt, CRI>90 for true-to-life colors, and SDCM<3 for consistent color accuracy across production batches, this tape light delivers smooth, uninterrupted illumination without dark spots. The dense diode placement ensures a dot-free, evenly distributed light output. When paired with a right size aluminum channel, this high-output LED provides a custom fixture with a vibrant, seamless, and flicker-free line of light. Such linear light is perfect for architectural, retail, and residential applications. The High-Efficacy Dot-Free Tape Light delivers industry-leading brightness, efficiency, and stability, making it the perfect choice for professional-grade lighting solutions.

#### FEATURES & BENEFITS:

- **Dot-Free, Uniform Illumination** – Eliminates visible light dots for a smooth and uninterrupted lighting effect.
- **High Efficacy & Energy Savings** – Delivers up to 160 lumens per watt, maximizing brightness while reducing energy costs.
- **90+ CRI for True Color Rendering** – Produces accurate, vibrant colors for better visual appeal in any setting.
- **SDCM<3 for Superior Color Consistency** – Ensures minimal color variation across batches for reliable performance.
- **Premium 3-Ounce Copper PCB** – Offers better conductivity and heat dissipation, enhancing LED longevity and stability.
- **Fully Dimmable** – Seamlessly adjusts brightness for different lighting needs.
- **Ultra-Low Profile** – At just 10mm wide, it fits discreetly into slim architectural spaces.
- **Versatile Applications** – Ideal for residential, commercial, retail, and architectural lighting.
- **UL-Certified & 5-Year Limited Warranty** – Ensuring long-lasting performance and safety compliance.



**HIGH EFFICACY TAPE LIGHT SPECIFICATIONS:**

<b>Color</b>	Solid Color	<b>CRI</b>	90+
<b>Input Voltage</b>	24VDC	<b>SDCM</b>	<3
<b>Power Consumption</b>	Optional	<b>Beam Angle</b>	120°
<b>LED Density</b>	68 LED/ft	<b>Environment</b>	Indoor / Dry
<b>Field Cuttable</b>	Every 1.41"	<b>Operating Temperature</b>	-4°F—104°F
<b>Tape Dimensions</b>	0.39"X0.07"(WxH)	<b>Ambient Temperature</b>	-4°F—140°F
<b>LED Bead Dimensions</b>	0.12"X0.04"(WxH)	<b>Life Span</b>	50,000H
<b>Spool Length</b>	Optional	<b>Certification</b>	UL Listed, RoHS
<b>Dimmable</b>	Yes	<b>Limited Warranty</b>	5-Year

**COMPATIBLE POWER:**

- 24VDC output, and output wattage  $\geq$  Tape Light Length (FT) x Watts Per Foot (W/FT) X 1.25.

**COMPATIBLE CHANNELS:**

- Inside width  $\geq$  0.39"

**WET RATED TAPE LIGHT:**

- Wet rated tape light dimensions: 0.55"X0.08"(WxH).
- The maximum spool length for wet rated tape light is 66FT.

**ACCESSORIES:**

- Soldered lead, or
- Universal terminal block connectors. Beetle Clip Terminal block connectors.

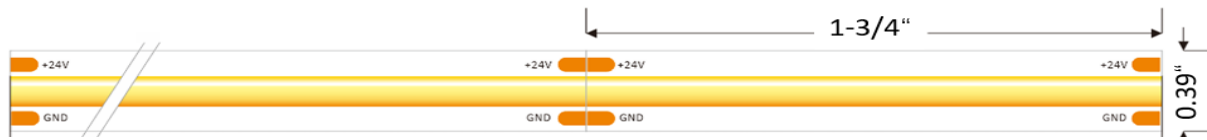


## ORDER INFORMATION:

W/FT	ITEM#	WET RATED ITEM#	CCT	LM/FT	CUTTABLE	MAX-RUN	PACK
8.19	2835UL27K8224V24	2835UL27K8224V24-TP	2700K	1072	1.41"	20'	16.4'/32.8'
	2835UL30K8224V24	2835UL30K8224V24-TP	3000K	1122	1.41"	20'	16.4'/32.8'
	2835UL35K8224V24	2835UL35K8224V24-TP	3500K	1122	1.41"	20'	16.4'/32.8'
	2835UL40K8224V24	2835UL40K8224V24-TP	4000K	1122	1.41"	20'	16.4'/32.8'
	2835UL50K8224V24	2835UL50K8224V24-TP	5000K	1122	1.41"	20'	16.4'/32.8'
6.15	2835UL27K6224V24	2835UL27K6224V24-TP	2700K	728	1.41"	20'	16.4'/32.8'
	2835UL30K6224V24	2835UL30K6224V24-TP	3000K	744	1.41"	20'	16.4'/32.8'
	2835UL35K6224V24	2835UL35K6224V24-TP	3000K	776	1.41"	20'	16.4'/32.8'
	2835UL40K6224V24	2835UL40K6224V24-TP	4000K	800	1.41"	20'	16.4'/32.8'
	2835UL50K6224V24	2835UL50K6224V24-TP	5000K	800	1.41"	20'	16.4'/32.8'
4.88	2835UL27K5224V24	2835UL27K5224V24-TP	2700K	591	1.41"	33'	16.4'/32.8'
	2835UL30K5224V24	2835UL30K5224V24-TP	3000K	601	1.41"	33'	16.4'/32.8'
	2835UL35K5224V24	2835UL35K5224V24-TP	3500K	635	1.41"	33'	16.4'/32.8'
	2835UL40K5224V24	2835UL40K5224V24-TP	4000K	666	1.41"	33'	16.4'/32.8'
	2835UL50K5224V24	2835UL50K5224V24-TP	5000K	666	1.41"	33'	16.4'/32.8'
2.84	2835UL27K3224V24	2835UL27K3224V24-TP	2700K	372	1.41"	50'	16.4'/32.8'/100'
	2835UL30K3224V24	2835UL30K3224V24-TP	3000K	389	1.41"	50'	16.4'/32.8'/100'
	2835UL35K3224V24	2835UL35K3224V24-TP	3500K	387	1.41"	50'	16.4'/32.8'/100'
	2835UL40K3224V24	2835UL40K3224V24-TP	4000K	387	1.41"	50'	16.4'/32.8'/100'
	2835UL50K3224V24	2835UL50K3224V24-TP	5000K	387	1.41"	50'	16.4'/32.8'/100'
1.92	2835UL27K2224V24	2835UL27K2224V24-TP	2700K	252	1.41"	66'	16.4'/32.8'/100'
	2835UL30K2224V24	2835UL30K2224V24-TP	3000K	263	1.41"	66'	16.4'/32.8'/100'
	2835UL35K2224V24	2835UL35K2224V24-TP	3500K	262	1.41"	66'	16.4'/32.8'/100'
	2835UL40K2224V24	2835UL40K2224V24-TP	4000K	262	1.41"	66'	16.4'/32.8'/100'
	2835UL50K2224V24	2835UL50K2224V24-TP	5000K	262	1.41"	66'	16.4'/32.8'/100'
1.01	2835UL27K1224V24	2835UL27K1224V24-TP	2700K	132	1.41"	100'	16.4'/32.8'/100'
	2835UL30K1224V24	2835UL30K1224V24-TP	3000K	138	1.41"	100'	16.4'/32.8'/100'
	2835UL35K1224V24	2835UL35K1224V24-TP	3500K	138	1.41"	100'	16.4'/32.8'/100'
	2835UL40K1224V24	2835UL40K1224V24-TP	4000K	138	1.41"	100'	16.4'/32.8'/100'
	2835UL50K1224V24	2835UL50K1224V24-TP	5000K	138	1.41"	100'	16.4'/32.8'/100'



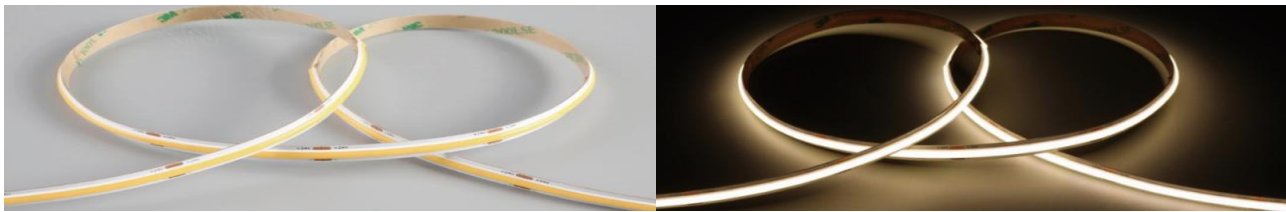
## No Dot Solid Color COB Tape Lights



**Dot-Free COB Solid Color Tape Light – Seamless, High-Quality Illumination.** COB Solid Color Tape Light features a cutting-edge chips-on-board (COB) design with an ultra-high density of 161 chips per foot, ensuring a smooth, uninterrupted line of light with no visible hotspots—even without an additional diffuser.

Designed for high performance and reliability, this premium LED strip offers a 90+ CRI for true-to-life color accuracy, SDCM<3 for exceptional color consistency, and a wide beam angle for uniform light distribution. Its super-flexible design allows for easy installation, making it an ideal lighting solution for residential, architectural, and decorative applications.

With high brightness, dimmable functionality, and extended durability, this COB tape light is engineered for efficiency and aesthetic appeal. Combining exceptional brightness, smooth dimming, and superior flexibility make it the perfect choice for modern lighting applications.



### FEATURES & BENEFITS:

- **Dot-Free, Uniform Illumination** – Achieves a seamless, continuous line of light without hotspots.
- **90+ CRI for True Color Rendering** – Ensures vivid, accurate color reproduction for high-end lighting applications.
- **SDCM<3 for Superior Color Consistency** – Maintains minimal color variation across different production batches.
- **Fully Dimmable** – Offers smooth brightness control to match any lighting need.
- **Super Flexible Design** – Easily bends and adapts to different installation surfaces.
- **High-Quality & Reliable** – Built for long-term performance and stability.
- **Easy Installation & Customization** – Cuttable every 1-3/4" for precise customization.
- **12" Long Lead Wire** – Simplifies wiring and installation.
- **UL Listed & 3-Year Limited Warranty** – Certified for safety, durability, and long-lasting performance.



**CLASSIC COB TAPE LIGHT SPECIFICATION TABLE :**

<b>Color</b>	Solid Color	<b>SDCM</b>	<3
<b>Voltage</b>	24VDC	<b>Beam Angle</b>	150°
<b>LED Chips</b>	161/ft	<b>Environment</b>	Indoor / Dry
<b>Field Cuttable</b>	Every 1-3/4"	<b>Operating Temperature</b>	-4°F—104°F
<b>Tape Dimensions</b>	0.39"X0.06"(WXH)	<b>Ambient Temperature</b>	-4°F—140°F
<b>LED Coating Dimensions</b>	0.13"X0.06"(WXH)	<b>Life Span</b>	50,000H
<b>Max-run Length</b>	33ft	<b>UV Rating</b>	No Discoloration
<b>Dimmable</b>	Yes	<b>Certification</b>	UL Listed, RoHS
<b>CRI</b>	90+	<b>Limited Warranty</b>	5-Year

**POWER SUPPLY:**

- 24VDC output, and output wattage  $\geq$  Tape Light Length (FT) x Watts Per Foot (W/FT) X 1.25.

**COMPATIBLE CHANNELS:**

- Inside width  $\geq$  0.39".

**WET RATED TAPE LIGHT:**

- Wet rated tape light dimensions: 0.55"X0.16"(WxH).
- The maximum spool length for wet rated tape light is 66FT.

**ACCESSORIES:**

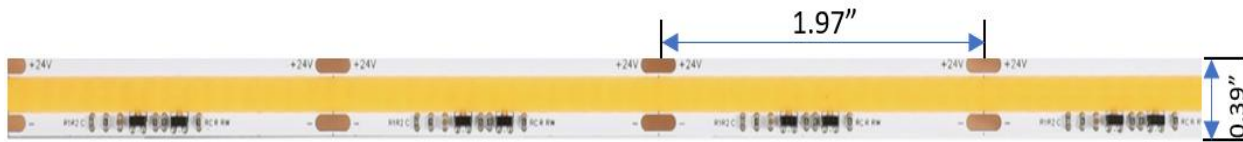
- Soldered lead, or
- Universal terminal block connectors.

**ORDER INFORMATION:**

ITEM#	WET RATED ITEM#	W/FOOT	CCT	LUMENS/FT	AVAILABLE PACK
<b>COB27K3528V24</b>	<b>COB27K3528V24-TP</b>	3.05W	2700K	256	16.4'/32.8'/100'
<b>COB30K3528V24</b>	<b>COB30K3528V24-TP</b>	3.05W	3000K	262	16.4'/32.8'/100'
<b>COB35K3528V24</b>	<b>COB35K3528V24-TP</b>	3.05W	3500K	270	16.4'/32.8'/100'
<b>COB40K3528V24</b>	<b>COB40K3528V24-TP</b>	3.05W	4000K	290	16.4'/32.8'/100'
<b>COB27K5528V24</b>	<b>COB27K5528V24-TP</b>	4.57W	2700K	384	16.4'/32.8'/100'
<b>COB30K5528V24</b>	<b>COB30K5528V24-TP</b>	4.57W	3000K	393	16.4'/32.8'/100'
<b>COB35K5528V24</b>	<b>COB35K5528V24-TP</b>	4.57W	3500K	410	16.4'/32.8'/100'
<b>COB40K5528V24</b>	<b>COB40K5528V24-TP</b>	4.57W	4000K	435	16.4'/32.8'/100'



## Warm Dim No Dot COB Tape Lights



**Warm Dim Tape Light – Smooth Dimming, Incandescent-Like Glow.** The Warm Dim Tape Light is designed with COB (Chips-on-Board) technology, featuring 172 chips per foot for a hotspot-free, seamlessly diffused light output. This warm dim LED strip smoothly transitions from 3000K to 1800K, simulating the natural dimming effect of incandescent bulbs—as the brightness decreases, the light shifts to a warmer tone.

With a high color rendering index (CRI>90), it ensures true-to-life color accuracy, making it perfect for residential, architectural, ambient, and accent lighting. The double-layer 2oz copper PCB improves flexibility, heat dissipation, and voltage regulation, ensuring long-lasting stability. Compatible with PWM, Triac, and 0-10V dimmers, it offers seamless and smooth dimming control for any application.

The Warm Dim Tape Light is the perfect solution for creating a cozy and inviting atmosphere with smooth dim-to-warm functionality. Whether used in home interiors, hospitality settings, or architectural projects, this tape light delivers high-quality, flicker-free lighting with a natural incandescent glow.



### FEATURES & BENEFITS:

- **Dot-Free & Continuous Illumination** – High-density COB design eliminates visible hotspots for a smooth, even light output.
- **3000K-1800K Warm Dimming** – The color temperature and brightness adjust simultaneously, mimicking the warm glow of incandescent bulbs.
- **90+ CRI for True-to-Life Colors** – Enhances natural color appearance in any environment.
- **Fully Dimmable** – Compatible with PWM, Triac, and 0-10V dimmers for smooth dimming control.
- **High-Quality Double-Layer 2oz Copper PCB** – Improves heat dissipation, durability, and performance.
- **Precision Cuttable** – Field cuttable every 1.97" for a perfect fit in custom installations.
- **Ideal for Accent & Ambient Lighting** – Perfect for residential, architectural, and decorative lighting applications.
- **UL Listed & 5-Year Limited Warranty** – Ensures safety, reliability, and high performance.



**WARM DIM COB TAPE LIGHT SPECIFICATION TABLE:**

<b>Color</b>	3000K-1800K WARM DIM	<b>CRI</b>	90+
<b>Voltage</b>	24VDC	<b>SDCM</b>	<4
<b>Wattage Option</b>	4.4W/ft or 3.05W/ft	<b>Beam Angle</b>	150°
<b>LED Chips</b>	172/ft	<b>Environment</b>	Indoor / Dry
<b>Lumens</b>	320/ft (4.4W), 229/ft(3.05W)	<b>Operating Temperature</b>	-4°F—104°F
<b>Field Cuttable</b>	Every 1.97"	<b>Ambient Temperature</b>	-4°F—140°F
<b>Tape Dimensions</b>	0.39"X0.06"(WxH)	<b>Life Span</b>	50,000H
<b>LED Coating Dimensions</b>	0.13"X0.06"(WxH)	<b>UV Rating</b>	Discoloration
<b>Max-run Length</b>	33ft	<b>Certification</b>	UL Listed, RoHS
<b>Dimmable</b>	Yes	<b>Limited Warranty</b>	5-Year

**POWER SUPPLY:**

- LED drivers output voltage must be 24VDC, and its output wattage cannot be less than 1.25 times watts of tape light: Tape Light Length (FT)xW/FTX1.25.
- LUMLED's KVF series drivers or other high Hertz dimmable drivers are workable only.

**COMPATIBLE CHANNELS:**

- Inside width≥0.39".

**WET RATED WARM DIMMING TAPE LIGHT:**

- Wet rated tape light dimensions: 0.48"X0.16"(WxH).
- The maximum spool length for wet rated tape light is 66FT.

**ACCESSORIES:**

- Soldered lead, or
- Universal terminal block connectors.

**ORDER INFORMATION:**

ITEM#	WET RATED ITEM#	CCT	W/FT	LUMENS/FT	PACK
<b>COB3018WD3560V24</b>	<b>COB3018WD3560V24-TP</b>	3000K-1800K	3.05W	229	16.4FT/32.8FT
<b>COB3018WD5560V24</b>	<b>COB3018WD5560V24-TP</b>	3000K-1800K	4.4W	320	16.4FT/32.8FT



## CCT Tunable No Dot COB Tape Lights



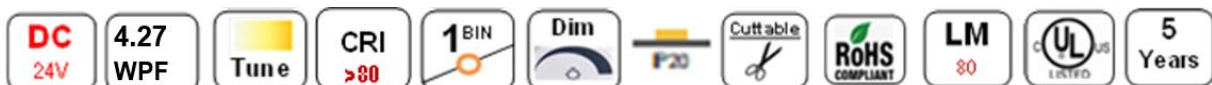
**Color Tunable COB Tape Light – Ultra Smooth, Seamless Illumination.** The Color Tunable COB Tape Light with 185 chips per foot is designed for seamless, dot-free illumination. This advanced color-adjustable LED strip allows you to fine-tune the light temperature from 2200K (warm glow) to 6500K (daylight white), providing full flexibility for different lighting atmospheres.

With a 90+ CRI, this LED strip ensures accurate color rendering, making it ideal for residential, commercial, and architectural applications. The double-layer 2oz copper PCB enhances heat dissipation, flexibility, and minimizes voltage drop, ensuring long-lasting stability and reliability.

Whether used for ambient, decorative, or task lighting, this fully dimmable LED strip is a versatile lighting solution for modern interiors.

### FEATURES & BENEFITS:

- **Dot-Free, Seamless Illumination** – High-density COB design eliminates visible hotspots for a continuous, smooth line of light.
- **2200K–6500K Adjustable Color Temperature** – Easily switch between warm and cool white with a CCT controller.
- **90+ CRI for True-to-Life Color Rendering** – Delivers natural and vibrant lighting.
- **Fully Dimmable** – Compatible with most dimming controllers for flexible lighting control.
- **High-Quality Double-Layer 2oz Copper PCB** – Improves heat dissipation, durability, and performance.
- **Every 1.04" Cuttable** – Allows for precision customization to fit any space or project.
- **Ideal for Residential & Architectural Lighting** – Perfect for decorative, ambient, and task lighting.
- **UL Listed & 3-Year Limited Warranty** – Ensures safety, quality, and long-lasting performance.



**CCT TUNABLE TAPE LIGHT SPECIFICATIONS TABLE:**

<b>Color</b>	2200K-6500K	<b>CRI</b>	90+
<b>Input Voltage</b>	24VDC	<b>SDCM</b>	<4
<b>Power Consumption</b>	4.27W/ft	<b>Beam Angle</b>	150°
<b>LED Density</b>	185 LED/ft	<b>Environment</b>	Indoor / Dry
<b>Brightness</b>	384 LUM/ft	<b>Operating Temperature</b>	-4°F—104°F
<b>Field Cuttable</b>	Every 1.04"	<b>Ambient Temperature</b>	-4°F—140°F
<b>Dimensions</b>	0.39"X0.09"(WxH)	<b>Life Span</b>	50,000H
<b>Max-run Length</b>	33ft	<b>Certification</b>	UL Listed, RoHS
<b>Dimmable</b>	Yes	<b>Limited Warranty</b>	5 Years

**POWER SUPPLY:**

- 24VDC output, output wattage  $\geq$  Tape Light Length (FT) x Watts Per Foot (W/FT)X1.25.

**COMPATIBLE CHANNELS:**

- Inside width  $\geq$  0.39".

**COMPATIBLE CONTROLLER:**

- Most of the CCT controllers in the markets.
- Mobile Apps.

**WET RATED CCT TUNABLE TAPE LIGHT:**

- ITEM#: **COB2265K5608V24-TP**
- Wet rated tape light dimensions: 0.55"X0.16"(WxH).
- The maximum spool length for wet rated tape light is 66FT.

**ACCESSORIES:**

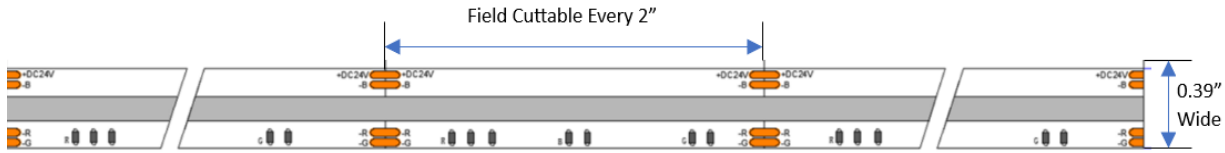
- Soldered lead, or, connector.

**ORDER INFORMATION:**

ITEM#	CCT	LUMENS/FT	AVAILABLE PACK
<b>COB2265K5608V24</b>	2200K-6500K	384	16.4FT/32.8FT/100FT



## RGB Color Changing COB Tape Lights



The RGB color-changing COB (Chip-on-Board) tape light features a high-density design with 256 chips per foot, ensuring a seamless, dot-free, and diffused line of light without the need for additional diffusers or accessories. This tape light delivers vibrant RGB illumination, making it ideal for both task and accent interior lighting applications. It is compatible with various control systems, including RGB controllers, Wi-Fi, Bluetooth, DMX512 decoders, Zigbee, and music controllers.

### FEATURES & BENEFITS:

- **Seamless RGB Illumination**-Achieves a continuous, dot-free lighting effect.
- **Dynamic Color Options**-Offers a wide spectrum of vibrant RGB colors.
- **Flexible Design**-Constructed with a softer copper flexible printed circuit (FPC) for easy installation.
- **Energy Efficiency**-Consumes only 4.57 watts per foot.
- **Broad Compatibility**- Works seamlessly with most RGB control mobile apps and accessories.
- **Versatile Applications**-Suitable for various visual lighting needs.
- **Reliable Performance**-Backed by a 3-year limited warranty.



### RGB SPECIFICATIONS – ITEM#: RGB5840V24COB

Color	RGB	Dimmable	Yes(with RGB Controller)
Input Voltage	24VDC	SDCM	<3
Power Consumption	4.57W/ft	Beam Angle	150°
LED Density	256LED/ft	Environment	Indoor / Dry
Brightness	160LUM/ft	Operating Temperature	-4°F—104°F
Field Cuttable	Every 2"	Ambient Temperature	-4°F—140°F
Tape Dimensions	0.39"X0.06"(WXH)	Life Span	50,000H
LED Coating Dimensions	0.13"X0.06"(WXH)	UV Rating	No discoloration
Spool Length	32.8 ft	Certification	UL Listed, RoHS
Max-run Length	33ft	Limited Warranty	5-Year



**POWER SUPPLY:**

- 24VDC output, output wattage  $\geq$  Tape Light Length (FT) x Watts Per Foot (W/FT) X 1.25.

**COMPATIBLE CHANNELS:**

- Inside width  $\geq$  0.39".

**COMPATIBLE CONTROLLER:**

- Most of the RGB controllers in the markets.
- Mobile Apps.

**WET RATED RGB TAPE LIGHT:**

- **ITEM#: RGB5840V24COB-TP**
- Wet rated RGB tape light dimensions: 0.55"X0.16"(14mmx4mm) (WxH)
- The maximum spool length for wet rated tape light is 66FT.

**ACCESSORIES:**

- Soldered lead only.
- Need to install RGB amplifier every 33FT if one section is longer than 33ft.

**ORDER INFORMATION:**

ITEM#	COLOR TEMP	LUMENS/FT	AVAILABLE PACK
RGB5840V24COB	RGB	160	16.4FT/32.8FT



## RGBW Color Changing COB Tape Lights



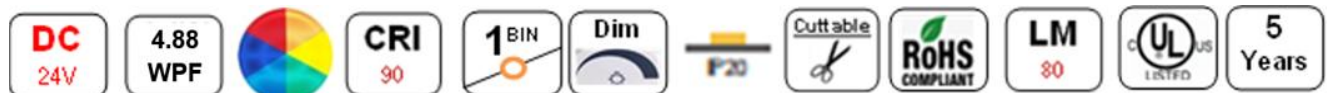
**RGBW Color Changing COB Tape Light – Dot-free, Seamless, Vibrant Illumination.** RGBW COB tape light is designed for ultra-smooth, dot-free illumination, delivering vibrant RGB colors along with a dedicated white light option (3000K). Utilizing a chips-on-board (COB) design with an ultra-high density of 273 LEDs per foot, this tape light produces a seamless, diffused line of light—even without an additional diffuser. This RGBW COB Tape Light is the perfect solution for achieving smooth, professional-grade lighting effects with seamless diffusion, vibrant color options, and advanced control compatibility.

This advanced RGBW tape light offers dynamic color-changing effects, allowing users to mix rich, saturated RGB hues, pastel shades, or solid white light. It works with various controllers, including RGBW controllers, Wi-Fi, Bluetooth, DMX512 decoders, Zigbee, and music controllers, giving you greater flexibility in color selection and lighting control.

Ideal for residential, commercial, and entertainment applications, this high-performance LED strip provides a wider spectrum of colors and precise color control, enabling stunning lighting effects for any space.

### FEATURES & BENEFITS:

- **Dot-Free, Diffused Lighting** – High LED density ensures a seamless, soft glow without visible light dots.
- **Vibrant RGB + 3000K White Light** – Enjoy dynamic color-changing effects with the option for warm white lighting.
- **Superior Color Mixing** – Produces rich, saturated colors and smooth transitions for professional-grade illumination.
- **Flexible & Durable Construction** – Features softer copper FPC, ensuring better heat dissipation and longevity.
- **Multiple Control Options** – Compatible with RGBW controllers, mobile apps, Wi-Fi, Bluetooth, DMX512, Zigbee, and music controllers.
- **Versatile Applications** – Perfect for architectural lighting, accent lighting, home décor, retail displays, and entertainment settings.
- **Easy Installation & Customization** – Field-cuttable for precise fitting in any space.
- **3-Year Limited Warranty** – Ensuring long-lasting performance and reliability.



**RGBW SPECIFICATIONS – ITEM#: RGB30K5896V24COB**

<b>Color</b>	RGBW	<b>Dimmable</b>	Yes
<b>White Color</b>	3000K	<b>CRI</b>	90+
<b>Input Voltage</b>	24VDC	<b>SDCM</b>	<3
<b>Power Consumption</b>	4.88W/ft	<b>Beam Angle</b>	150°
<b>LED Density</b>	273 LED/ft	<b>Environment</b>	Indoor / Dry
<b>Brightness</b>	230 LUM/ft	<b>Operating Temperature</b>	-4°F—104°F
<b>Field Cuttable</b>	Every 2.47"	<b>Ambient Temperature</b>	-4°F—140°F
<b>Tape Dimensions</b>	0.48"X0.06"(WXH)	<b>Life Span</b>	50,000H
<b>LED Coating Dimensions</b>	0.13"X0.06"(WXH)	<b>UV Rating</b>	No Discoloration
<b>Spool Length</b>	16.4ft	<b>Certification</b>	UL Listed, RoHS
<b>Max-run Length</b>	20ft	<b>Limited Warranty</b>	5-Year

**POWER SUPPLY:**

- 24VDC output, output wattage  $\geq$  Tape Light Length (FT) x Watts Per Foot (W/FT) X 1.25.

**COMPATIBLE CHANNELS:**

- Inside width  $\geq$  1/2".

**COMPATIBLE CONTROLLER:**

- Most of the RGBW controllers are in the markets.
- Mobile Apps.

**WET RATED RGBW TAPE LIGHT:**

- **ITEM#: RGB30K5840V24COB-TP**
- Wet rated RGBW tape light dimensions: 0.55"X0.16"(WxH).
- The maximum spool length for wet rated is 33FT.

**ACCESSORIES:**

- Soldered lead only.
- Need install RGBW amplifier every 20FT if one section is longer than max-run 20ft.

**ORDER INFORMATION:**

ITEM#	COLOR TEMP	LUMENS/FT	AVAILABLE PACK
<b>RGB30K5896V24COB</b>	RGBW	230	16.4FT/32.8FT



## RGBTW Color Changing COB Tape Lights



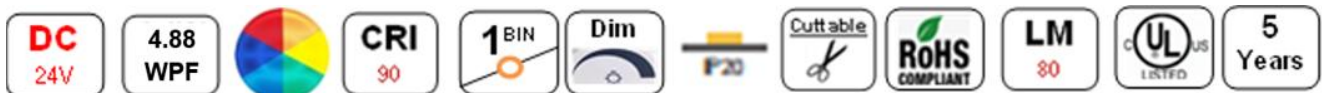
**RGBTW Color-Changing COB Tape Light –Dot-free, Seamless, Vibrant Illumination.** RGBTW COB tape light adopts chips-on-board design with 256 chips per foot. This high-density RGBTW tape light delivers a smooth, dot-free glow without the need for additional diffusers or accessories. This advanced RGBTW COB tape light produces rich, saturated RGB colors while also offering tunable white light from 2700K to 6500K, allowing for a full spectrum of lighting possibilities—from warm ambiance to crisp daylight.

Compatible with various control systems, it works seamlessly with RGBTW controllers, Wi-Fi, Bluetooth, DMX512 decoders, Zigbee, music controllers, and more. This flexibility enables precise color customization and dynamic lighting effects for any setting.

Perfect for residential, commercial, and creative applications, the RGBTW COB tape light allows you to design immersive lighting experiences with a broader color spectrum and enhanced control options. Whether you need vibrant party lighting, soft ambient tones, or professional-grade illumination, this LED strip meets diverse lighting needs with ease.

### FEATURES & BENEFITS:

- **Dot-Free, Seamless Lighting** – Enjoy a fully diffused glow with no visible LED dots, perfect for accent lighting, home décor, and commercial applications.
- **Dynamic RGB + Tunable White** – Mix vibrant RGB colors with adjustable white light (2700K-6500K) for any mood or setting.
- **Expanded Color Control** – Achieve a wider color spectrum and greater flexibility in creating stunning lighting effects.
- **Premium Soft Copper FPC** – High-quality flexible printed circuit ensures better durability and enhanced heat dissipation.
- **Versatile Applications** – Ideal for residential spaces, retail displays, visual effects, and architectural lighting.
- **Smart Compatibility** – Works with most RGBTW controllers, mobile apps, and accessories, including Wi-Fi, Bluetooth, Zigbee, and DMX512 systems.
- **Reliable Performance** – Backed by a 3-year limited warranty for long-lasting quality and peace of mind.





**RGBTW SPECIFICATIONS – ITEM#: RGBTW5840V24COB**

<b>Color</b>	RGB+Tunable White	<b>Dimmable</b>	Yes
<b>White Color Range</b>	2700K to 6500K	<b>CRI</b>	90+
<b>Input Voltage</b>	24VDC	<b>SDCM</b>	<3
<b>Power Consumption</b>	4.88W/ft	<b>Beam Angle</b>	150°
<b>LED Density</b>	256LED/ft	<b>Environment</b>	Indoor / Dry
<b>Brightness</b>	230LUM/ft	<b>Operating Temperature</b>	-4°F—104°F
<b>Field Cuttable</b>	Every 1.64"	<b>Ambient Temperature</b>	-4°F—140°F
<b>Tape Dimensions</b>	0.48"X0.06"(WXH)	<b>Life Span</b>	50,000H
<b>LED Coating Dimensions</b>	0.13"X0.06"(WXH)	<b>UV Rating</b>	No Discoloration
<b>Spool Length</b>	16.4ft	<b>Certification</b>	UL Listed, RoHS
<b>Max-run Length</b>	20ft	<b>Limited Warranty</b>	5-Year

**POWER SUPPLY:**

- 24VDC output, output wattage  $\geq$  Tape Light Length (FT) x Watts Per Foot (W/FT) X 1.25.

**COMPATIBLE CHANNELS:**

- Inside width  $\geq$  1/2".

**COMPATIBLE CONTROLLER:**

- Most of the RGBTW controllers in the markets.
- Mobile Apps.

**WET RATED RGBTW TAPE LIGHT:**

- **ITEM#: RGBTW5840V24COB-TP**
- Wet rated RGBTW tape light dimensions: 0.55"X0.16"(WxH).
- The maximum spool length for wet rated is 33FT.

**ACCESSORIES:**

- Soldered lead only.
- Need to install RGBTW amplifier every 20FT if one section is longer than max-run 20ft.

**ORDER INFORMATION:**

ITEM#	COLOR TEMP	LUMENS/FT	AVAILABLE PACK
<b>RGBTW5840V24COB</b>	RGBTW	230	16.4FT/32.8FT



## LED Neon Lights

Neon lights provide smooth, soft illumination, making them ideal for decorative and contoured lighting in commercial, architectural, and landscape settings. Models such as N1220S, N1616T/S, N1414T, and N1212T cater to various requirements, each offering a lifespan of 50,000 hours.

Standard neon rope lights typically have a maximum length of 16 feet. For extended lengths, custom orders are necessary.



### NEON LIGHT SPECIFICATIONS\*

<b>Color</b>	Optional	<b>Dimmable</b>	Yes
<b>Voltage</b>	24VDC	<b>SDCM</b>	<3
<b>Bend Style</b>	Top/Side Optional	<b>Environment</b>	Wet/Dry
<b>N1220S Dimensions</b>	0.48"X0.80"(WXH)	<b>Operating Temperature</b>	-4°F—149°F
<b>N1616 Dimensions</b>	0.63"X0.63"(WXH)	<b>Ambient Temperature</b>	-4°F—113°F
<b>N1414 Dimensions</b>	0.55"x0.55"(WXH)	<b>UV Rating</b>	No Discoloration
<b>N1212: Dimensions</b>	0.48"X0.48"(WXH)	<b>Limited Warranty</b>	5-Year

### ORDER INFORMATION\*:

**Example:** **N1616S27K3V24-16PE**=NEON 16MM\*16MM, SIDE BEND, 2700K, 2.84W/FT, 16FT LENGTH, END POWER FEED STYLE

MODEL	BEND STYLE	DIMENSIONS	COLOR TEMP	WATTAGE	DOT	VOLTAGE	LENGTH	POWER FEED
<b>N1616</b>	<b>T-Top Bend</b> <b>S-Side Bend</b>	<b>16MM*16MM</b>	<b>27K-2700K</b> <b>30K-3000K</b> <b>35K-3500K</b> <b>40K-4000K</b>	<b>4-4.58W/FT</b> <b>3-3.05W/FT</b> <b>2-2.44W/FT</b> <b>81-1.5W/FT</b>	<b>NO</b>	<b>V24-24V</b>		<b>PE-END</b> <b>PB-BACK</b> <b>PS-SIDE</b>
<b>N1616</b>	<b>T-Top Bend</b> <b>S-Side Bend</b>	<b>16MM*16MM</b>	<b>RGB-RGB</b>	<b>4-4.57W/FT</b>	<b>NO</b>	<b>V24-24V</b>		
<b>N1616</b>	<b>T-Top Bend</b>	<b>16MM*16MM</b>	<b>RGBW-RGB+30K</b> <b>RGBTW-RGB+CCT</b>	<b>5-4.88W/FT</b>	<b>NO</b>	<b>V24-24V</b>		
<b>N1220</b>	<b>S-Side Bend</b>	<b>12MM*20MM</b>	<b>RGB-RGB</b>	<b>4-4.57W/FT</b>	<b>NO</b>	<b>V24-24V</b>		
<b>N1220</b>	<b>S-Side Bend</b>	<b>12MM*20MM</b>	<b>RGB-RGB</b>	<b>4-4.4W/FT</b>	<b>NO</b>	<b>V12-12V</b> <b>V24-24V</b>		
<b>N1220</b>	<b>S-Side Bend</b>	<b>12MM*20MM</b>	<b>RGBW-RGB+30K</b>	<b>5-4.88W/FT</b> <b>4-4.4W/FT</b>	<b>NO</b>	<b>V24-24V</b>		
<b>N1220</b>	<b>S-Side Bend</b>	<b>12MM*20MM</b>	<b>RGBTW-RGB+CCT</b>	<b>5-4.88W/FT</b>	<b>NO</b>	<b>V24-24V</b>		
<b>N1414</b>	<b>T-Top Bend</b>	<b>14MM*14MM</b>	<b>27K-2700K</b> <b>30K-3000K</b>	<b>82-2.44W/FT</b> <b>81-1.5W/FT</b>	<b>NO</b>	<b>V24-24V</b>		
<b>N1212</b>	<b>T-Top Bend</b>	<b>12MM*12MM</b>	<b>27K-2700K</b> <b>30K-3000K</b>	<b>82-2.44W/FT</b> <b>81-1.5W/FT</b>	<b>NO</b>	<b>V24-24V</b>		

**\*Custom Orders Only – No Field Cutting**

To ensure the highest quality and precision, all our neon lights are custom-made to your specifications and are not designed for field modifications. Please contact us directly to discuss your unique requirements and explore our range of neon lighting solutions.

**\*Important Ordering Information:**

- **Layout Drawings Required:** When placing an order, please provide detailed layout drawings to facilitate accurate production.
- **Installation of Neon Lights Exceeding 10 Feet:** For neon lights longer than 10 feet, the end will be left open upon delivery. After installation, the end cap must be properly attached and sealed to ensure optimal performance and longevity.

For guidance on sealing end caps, refer to the manufacturer's instructions.

**POWER SUPPLY:**

- Required output wattage  $\geq \text{Tape Light Length (FT)} \times \text{Watts Per Foot (W/FT)} \times 1.25$ .

**COMPATIBLE MOUNTING CILPS:**

- **CLP-N1220:** N1220 Model
- **CLP-N1616:** N1616 Model
- **CLP-N1414:** N1414 Model
- **CLP-N1212:** N1212 Model



# LED TAPE LIGHT CONNECTORS

## Universal Terminal Block Connectors

The Universal LED Tape Light Connector is engineered to seamlessly connect 8mm, 10mm, and 12mm wide solid color LED tape lights, regardless of their density. This versatile connector facilitates secure connections between tape lights or between tape lights and wires, ensuring a continuous and uninterrupted lighting experience.

### FEATURES:

- **No Stripping Required:** Simplifies installation by eliminating the need to strip wire insulation.
- **Clear Casing:** Provides a nearly seamless continuous light output with no dark spots at connection points.
- **Secure Clip-Down Mechanism:** Ensures a reliable connection between tape lights and wires.
- **Uninterrupted Illumination:** Maintains consistent light output across connections without any impact on brightness or quality.
- **Channel Compatibility:** Designed to fit within various channel selections without interference.
- **Versatile Connectivity:** Supports tape-to-tape, tape-to-wire splices, and tape-to-tape jumper configurations.
- **Wide Compatibility:** Suitable for indoor solid color tape lights with widths of 8mm, 10mm, or 12mm.

### SPECIFICATIONS TABLE:

<b>Work Voltage Range</b>	0-36VDC
<b>Work Amperage Range</b>	0-6A
<b>Wire Gauge Compatibility</b>	20AWG-22AWG Stranded
<b>Dimensions</b>	1/2"X5/16"X3/16" (LXWXH)
<b>Maximum LED Bead or LED Coating</b>	0.14"X0.14"(WXH)
<b>Environmental</b>	Dry Location
<b>Warranty</b>	5-Year limited warranty

### COMPATIBLE WIRE:

- 20-22 AWG stranded, not tinned wire.

### COMPATIBLE CHANNEL:

- Channel selection is mostly determined by tape light dimension.



### ENVIRONMENTAL:

- Dry location use only.

### ORDER INFORMATION:

ITEM#	TYPE	WORKABLE TAPE LIGHT	QUANTITIES
<b>UCCN-2-TTW</b>	TAPE-TO-WIRE	8MM-,10MM-,12MM-Wide IP20, Solid Color	1/5/25
<b>UCCN-2-TTT</b>	TAPE-TO-TAPE		1/5/25



## Case Open Clip Terminal Block Connectors

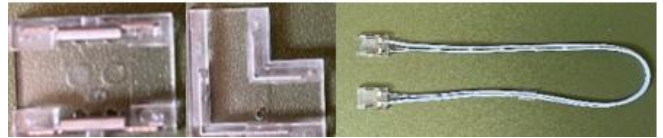
The Case Open Clip Tape Light Connector is specifically designed for COB (Chip-on-Board) solid color LED tape lights, accommodating various LED chip densities. It provides a secure connection between tape lights and wires or between separate tape light segments. This connector simplifies the installation process, ensuring a clean and efficient setup for your lighting projects.

### FEATURES:

- **Open Design:** Eliminates casing to ensure a seamless, continuous light output without dark spots at connection points.
- **Secure Clip-Down Mechanism:** Offers a reliable connection to tape lights without the need for soldering.
- **Uninterrupted Illumination:** Maintains consistent light quality across connections.
- **Channel Compatibility:** Designed to fit appropriately within various channel profiles.
- **Versatile Connections:** Supports straight tape-to-tape, 90-degree tape-to-tape, tape-to-wire splices, and tape-to-tape jumper configurations.
- **Compatibility:** Suitable for solid color COB LED tape lights.

### SPECIFICATIONS TABLE:

<b>Work Voltage Range</b>	0-36VDC
<b>Work Amperage Range</b>	0-6A
<b>Ambient Temperature</b>	-4°-122°F(-20°-50°C)
<b>Environmental</b>	Dry Location
<b>Warranty</b>	5-Year Limited Warranty



### ENVIRONMENTAL:

- Dry location uses only.

### ORDER INFORMATION:

ITEM#	TYPE	WIRE LENGTH	WORKABLE TAPE LIGHT
<b>8BCI-2-TTT</b>	TAPE-TO-TAPE	n/a	8MM (0.32") WIDE
<b>8BCI-2-TTT-L</b>	L TAPE-TO-TAPE	n/a	
<b>8BCI-2-JPR-12</b>	TAPE-TO-TAPE JUMPER CABLE	12"	
<b>8BCI-2-JPR-24</b>	TAPE-TO-TAPE JUMPER CABLE	24"	
<b>8BCI-2-JPR-48</b>	TAPE-TO-TAPE JUMPER CABLE	48"	
<b>8BCI-2-SPL-12</b>	TAPE-TO-WIRE SPLICE WIRE	12"	
<b>8BCI-2-SPL-24</b>	TAPE-TO-WIRE SPLICE WIRE	24"	
<b>10BCI-2-TTT</b>	TAPE-TO-TAPE	n/a	10MM (0.39") WIDE
<b>10BCI-2-TTT-L</b>	L TAPE-TO-TAPE	n/a	
<b>10BCI-2-JPR-12</b>	TAPE-TO-TAPE JUMPER CABLE	12"	
<b>10BCI-2-JPR-24</b>	TAPE-TO-TAPE JUMPER CABLE	24"	
<b>10BCI-2-JPR-48</b>	TAPE-TO-TAPE JUMPER CABLE	48"	
<b>10BCI-2-SPL-12</b>	TAPE-TO-WIRE SPLICE WIRE	12"	
<b>10BCI-2-SPL-24</b>	TAPE-TO-WIRE SPLICE WIRE	24"	

## POWER SUPPLIES

### CV Triac/Phase-Cut Dimmable Drivers: KVF Series

The **KVF** Series LED Dimming Drivers with a built-in J-box offer high-performance, flicker-free dimming for a variety of LED lighting applications. Designed for constant voltage operation, these Triac/phase-cut dimmable drivers deliver continuous, smooth, full-range dimming without altering LED CRI. Compatible with leading intelligent control systems such as Lutron, Leviton, Legrand, and Crestron, as well as Forward Phase, Reverse Phase, TRIAC, MLV, and ELV dimmers, these drivers provide superior performance for single-color, warm dim, and multi-color LED lights. With built-in short circuit, overload, and over-temperature protection, this UL-listed driver ensures reliability and long-term durability for residential and commercial lighting applications.

#### FEATURES:

- **Triac/Phase-Cut Dimming** – Works with Forward Phase, Reverse Phase, TRIAC, MLV, and ELV dimmers
- **Intelligent Control System Compatibility** – Supports most of popular brand dimmers and/or control system
- **Flicker-Free & Smooth Dimming** – Full-range dimming without flickering or altering LED CRI
- **Versatile LED Support** – Compatible with single-color, warm dim, and multi-color LED lighting (via controller)
- **Constant Output Voltage**—Output voltage keeps constant even if the driver's loading changes or if the voltage of power grid supply fluctuates, ensures rated LED lifespan.
- **Low Output Ripple (<1%)** – Ensures flicker-free operation for eye comfort
- **High Power Factor (>0.95)** – Ensures energy efficiency and stable operation
- **Built-in Junction Box** – Easy and secure installation for various lighting setups
- **Advanced Protection Features** – Short circuit, overload, and over-temperature protection
- **Location Use**-Dry/Damp/Wet Location
- **UL Listed & 5-Year Warranty** – Certified for safety and long-term reliability

#### SPECIFICATIONS:

<b>Input Voltage:</b>	100-277 VAC, 60 Hz	<b>Ambient Temperature:</b>	104°F
<b>Output Voltage:</b>	Constant Voltage (CV)	<b>Operating Temperature:</b>	176°F
<b>High Power Factor</b>	PF>0.95	<b>Junction Box:</b>	Built-in
<b>Max. Load :</b>	100% of Rated Wattage	<b>Location:</b>	Dry / Wet / Damp
<b>Min. Load :</b>	No Minimum Load Required	<b>Certification:</b>	UL Listed
<b>Dimming</b>	0.1% Performance, Dim to Dark	<b>Class P:</b>	Yes
<b>Built-in Protection:</b>	Short Circuit, Overload, Over Temperature	<b>Workable Dimmer:</b>	Triac, MLV, and ELV

#### IDEAL FOR:

- ✓ Residential & Commercial Dimming Applications
- ✓ Single-Color
- ✓ Warm Dim LED Tape Lights
- ✓ Multi-color LEDs (via LED controller)
- ✓ Smart Home & Intelligent Lighting Systems



**ORDER INFORMATION:**

ITEM#	OUTPUT	POWER	MIN LOAD	INPUT	LOCATION	CLASS 2	DIMENSIONS
KVF-12030-BIJ	12VDC	30W	NONE	100-277VAC	WET/DRY/DAMP	Yes	6.50X3.63X1.03in
KVF-24030-BIJ	24VDC						
KVF-12060-BIJ	12VDC	60W	NONE	100-277VAC	WET/DRY/DAMP	Yes	7.40X3.63X1.03in
KVF-24060-BIJ	24VDC						
KVF-12080-BIJ	12VDC	80W	NONE	100-277VAC	WET/DRY/DAMP	Yes	8.66X3.63X1.03in
KVF-24080-BIJ	24VDC						
KVF-24096-BIJ	24VDC	96W	NONE	100-277VAC	WET/DRY/DAMP	Yes	8.66X3.63X1.03in
KVF-12100-BIJ	12VDC	100W	NONE	100-277VAC	WET/DRY/DAMP	No	8.66X3.63X1.03in
KVF-24100-BIJ	24VDC						
KVF-12120-BIJ	12VDC	120W	NONE	100-277VAC	WET/DRY/DAMP	No	8.66X3.63X1.03in
KVF-24120-BIJ	24VDC						
KVF-12150-BIJ	12VDC	150W	NONE	100-277VAC	WET/DRY/DAMP	No	10.24X4.06X1.77in
KVF-24150-BIJ	24VDC						
KVF-12200-BIJ	12VDC	200W	NONE	100-277VAC	WET/DRY/DAMP	No	10.24X4.06X1.77in
KVF-24200-BIJ	24VDC						
KVF-12300-BIJ	12VDC	300W	NONE	100-277VAC	WET/DRY/DAMP	No	10.95X4.33X1.77in
KVF-24300-BIJ	24VDC						
KVF-12500-BIJ	12VDC	500W	NONE	100-277VAC	WET/DRY/DAMP	No	11.03X5.52X1.97in
KVF-24600-BIJ	24VDC	600W	NONE	100-277VAC	WET/DRY/DAMP	No	11.03X5.52X1.97in
KVF-C12180-BIJ	12VDC	3X60W	NONE	100-277VAC	WET/DRY/DAMP	Yes	10.95X4.33X1.77in
KVF-C24192-BIJ	24VDC	2X96W	NONE	100-277VAC	WET/DRY/DAMP	Yes	10.95X4.33X1.77in
KVF-C24288-BIJ	24VDC	3X96W	NONE	100-277VAC	WET/DRY/DAMP	Yes	11.85X4.33X1.77in
KVF-C12300-BIJ	12VDC	5X60W	NONE	100-277VAC	WET/DRY/DAMP	Yes	11.85X4.33X1.77in
KVF-C24384-BIJ	24VDC	4X96W	NONE	100-277VAC	WET/DRY/DAMP	Yes	12.80X5.52X1.89in



## CV Dimmable Electronic Transformers: ETF Series

The **ETF Series** Compact Dimming Transformers are designed for high-performance flicker-free dimming, compatible with Triac, MLV, and ELV dimmers. These transformers work seamlessly with Lutron dimmer models (CTCL-153P, DVELV-300P, SELV-300P, PD-10NXD, Radio RA) and Leviton dimmers (AWSMT-EAW), ensuring smooth, reliable operation. Built for Class P and Type HL applications, they are ideal for lighting fixture replacements and hazardous locations. With UL certification, short-circuit protection, and a 5-year warranty, these compact electronic transformers are a top choice for contractors and lighting professionals.

### FEATURES:

- **Triac, MLV, & ELV Dimmer Compatible** – Works with popular dimmers from Lutron & Leviton
- **Class P & Type HL Certified** – Suitable for lighting fixture replacements and hazardous locations
- **Full-Range Flicker-Free Dimming** – Provides smooth dimming without flickering or altering LED CRI
- **Compact Size & Versatile Installation** – Available with or without a built-in J-box, installation friendly
- **Advanced Protection** – Built-in safeguards for short circuit, overload, and over-temperature protection
- **UL Listed & 5-Year Warranty** – Certified for safety and durability

### SPECIFICATIONS:

<b>Input Voltage:</b>	100-130 VAC, 60 Hz
<b>Output Voltage:</b>	Constant Voltage (CV)
<b>Max. Load of Rated Wattage:</b>	100%
<b>Min. Load of Rated Wattage:</b>	None
<b>Dimming</b>	0-100% Range
<b>Power Factor:</b>	>0.94
<b>Built-in Protection:</b>	Short Circuit, Over Loading, Over Temperature
<b>Location:</b>	Dry / Damp
<b>Ambient Temperature</b>	104°F
<b>Operating Temperature</b>	194°F
<b>Class P, Type HL</b>	Yes
<b>Certification:</b>	UL Listed, FCC and RoHS
<b>Limited Warranty:</b>	3 Years



### IDEAL FOR:

- ✓ Residential & Commercial Dimming Applications
- ✓ Replacing Drivers in Lighting Fixtures
- ✓ Contractors & Professional Installations
- ✓ Use in Hazardous Locations



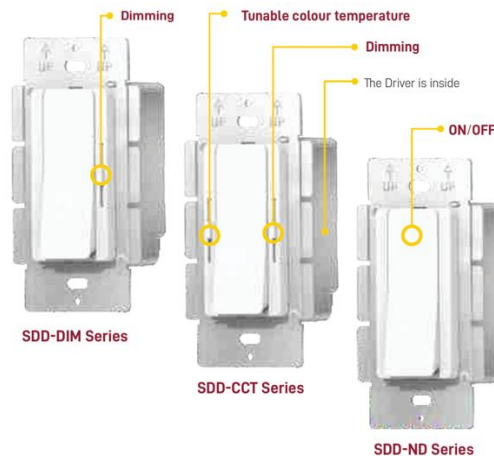
**ORDER INFORMATION:**

ITEM#	INPUT	OUTPUT	POWER	CLASS2	J-BOX	LOCATION	DIMENSIONS
<b>ETF12060TDA</b>	100-130VAC	12VDC	60W	YES	NO	DRY&DAMP	3.50X1.50X1.03 in
<b>ETF24060TDA</b>	100-130VAC	24VDC	60W	YES	NO	DRY&DAMP	3.50X1.50X1.03 in
<b>ETF12060TDJ1</b>	100-130VAC	12VDC	60W	YES	YES	WET&DRY&DAMP	5.00X3.25X1.63 in
<b>ETF24060TDJ1</b>	100-130VAC	24VDC	60W	YES	YES	WET&DRY&DAMP	5.00X3.25X1.63 in
<b>ETF24096TDA</b>	100-130VAC	24VDC	96W	YES	NO	DRY&DAMP	3.50X1.50X1.03 in
<b>ETF24096TDJ1</b>	100-130VAC	24VDC	96W	YES	YES	WET&DRY&DAMP	5.00X3.25X1.63 in
<b>ETF24150TDJ1</b>	100-130VAC	24VDC	150W	NO	YES	WET&DRY&DAMP	6.57X3.88X1.63in
<b>ETF24200TDJ1</b>	100-130VAC	24VDC	200W	NO	YES	WET&DRY&DAMP	6.5X3.72X1.57 in
<b>ETF24300TDJ1</b>	100-130VAC	24VDC	300W	NO	YES	WET&DRY&DAMP	6.5X3.72X1.57 in
<b>ETFC12120BIJ1</b>	100-130VAC	12VDC	60W*2	YES	YES	WET&DRY&DAMP	7.40X3.72X1.57 in
<b>ETFC24120BIJ1</b>	100-130VAC	24VDC	60W*2	YES	YES	WET&DRY&DAMP	7.40X3.72X1.57 in
<b>ETFC12180TDJ</b>	100-130VAC	12VDC	60W*3	YES	YES	WET&DRY&DAMP	10.94X4.25X1.77 in
<b>ETFC24192TDJ1</b>	100-130VAC	24VDC	96W*2	YES	YES	WET&DRY&DAMP	7.40X3.72X1.57 in
<b>ETFC24288TDJ1</b>	100-130VAC	24VDC	96W*3	YES	YES	WET&DRY&DAMP	10.94X4.25X1.77 in



## Driver Plus Dimmer Switch 2-in-1 Combo: SDD Series

The **Driver + Dimmer 2-in-1 SDD Series** combines an in-wall dimmer switch with a power supply and supports 3-way circuit configurations. This integrated unit simplifies installation by eliminating compatibility issues between drivers and switches. Designed to fit standard recessed switch boxes, it converts standard 120VAC power into low-voltage 12VDC, 24VDC, or 48VDC, providing seamless control over low-voltage solid color, warm dim, or tunable color LED tape lights and fixtures with dimming and color tuning capabilities. It has Dim model, CCT model and Non Dim model three series.



### DESIGN FEATURES:

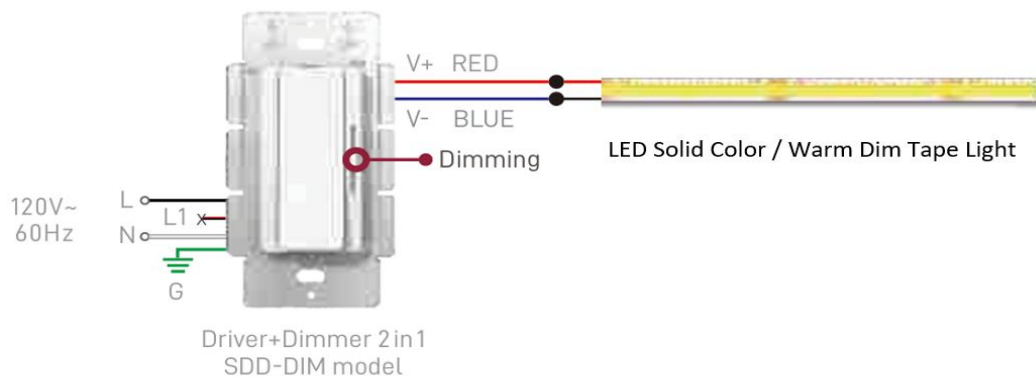
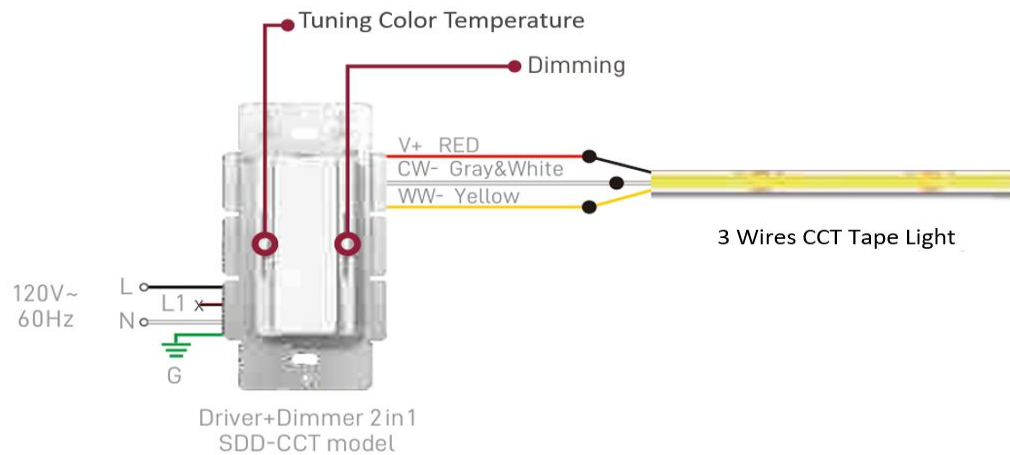
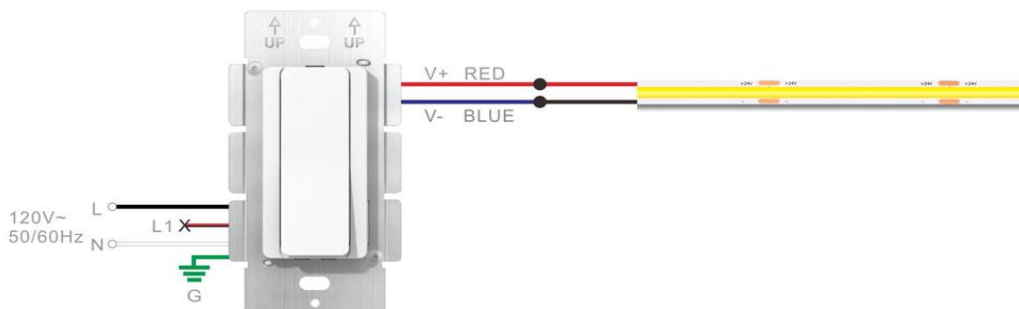
SDD-DIM MODEL	SDD-CCT MODEL	SDD-ND MODEL
<ul style="list-style-type: none"> <li>Fine-tune output voltage</li> <li>Preset dimmer with on/off switch</li> <li>3-Way switches</li> <li>Eliminated compatibility issues between drivers and switches</li> <li>Voltage barrier partition for installing high and low voltage circuit in same switch box</li> </ul>	<ul style="list-style-type: none"> <li>Fine-tune output voltage</li> <li>Preset dimmer with on/off switch</li> <li>3-Way switches</li> <li>Dimming and Color Temperature Adjustment function.</li> <li>Eliminated compatibility issues between drivers and switches</li> <li>Voltage barrier partition for installing high and low voltage circuit in same switch box</li> </ul>	<ul style="list-style-type: none"> <li>Fine-tune output voltage</li> <li>ON/OFF Switch</li> <li>3-Way switches</li> <li>Eliminated compatibility issues between drivers and switches</li> <li>Voltage barrier partition for installing high and low voltage circuit in same switch box</li> </ul>

### FEATURES & BENEFITS:

- Input 120VAC50-60Hz
- Built-in Active PFC Functions
- Built-in Protections for Short Circuit / Overload / Over Temperature
- Heat Dissipation by Free Air Convection
- Dry and Damp Locations Use
- Power Factor (PF)  $\geq 0.99$
- Ambient Temperature Range -40°F to 114°F
- 0 Minimum Load
- 100% Maximum Load
- UL Listed, FCC & RoHS
- 5 Year Limited Warranty

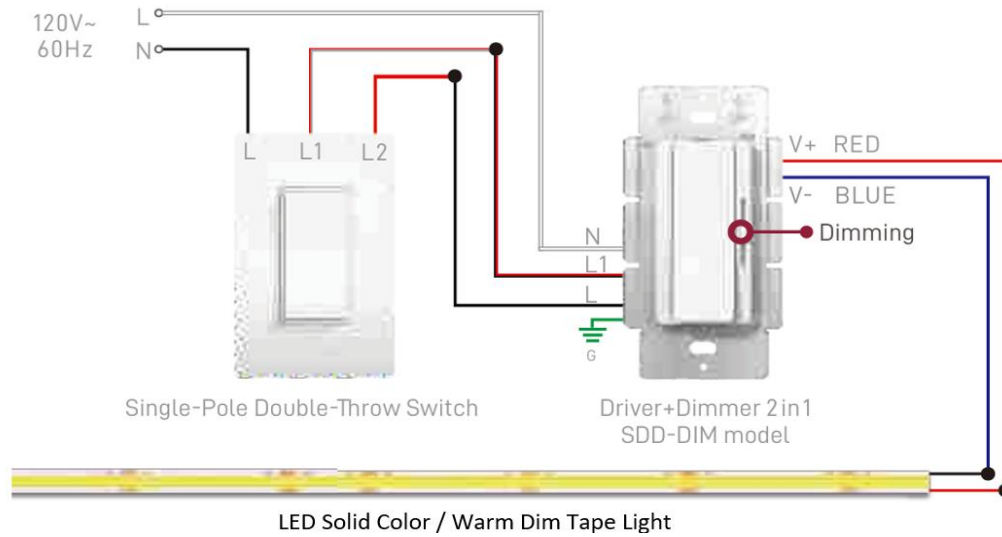
**PERFORMANCE:**

- LED Driver + In-Wall Dimmer Switch 2-in-1
- Works for A 3-way Circuit
- Fits in A Standard Recessed Electrical Box.
- Smooth Dimming or Warm Dimming via a Sliding Dimming Lever
- Smooth Color Temperature Tuning via a Sliding CCT Lever
- Flicker Free
- No Alter LED CRI
- No Derating Required When Ganging Units

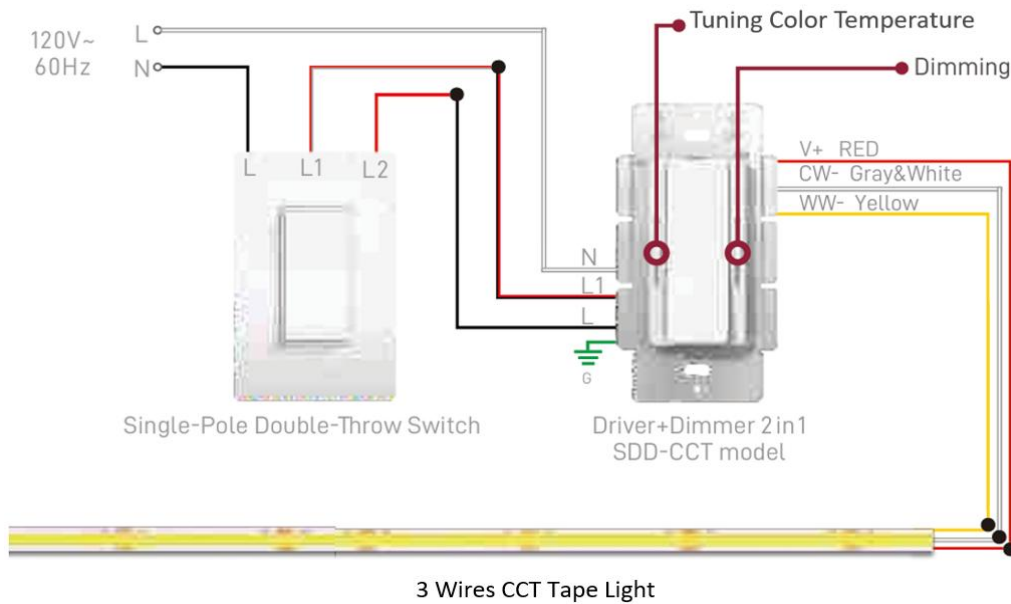
**A. WIRING DIAGRAM FOR STATIC LED LIGHTING SYSTEM****1. WIRING DIAGRAM OF SDD-DIM MODEL****2. WIRING DIAGRAM OF SDD-CCT MODEL****3. WIRING DIAGRAM OF SDD-ND MODEL**

## B. WIRING DIAGRAM FOR 3-WAY LED LIGHTING SYSTEM

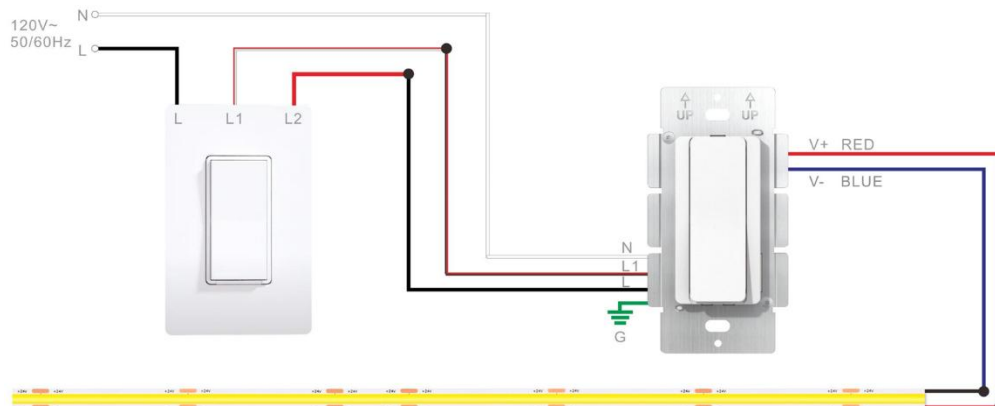
### 1. WIRING DIAGRAM OF SDD-DIM MODEL



### 2. WIRING DIAGRAM OF SDD-CCT MODEL



### 3. WIRING DIAGRAM OF SDD-ND MODEL





## ORDER INFORMATION AND SPECIFICATION TABLE:

ITEM#	POWER	INPUT	OUTPUT VOLTAGE(DC)	MAX OUTPUT CURRENT	CLASS 2	CERTIFICATION
<b>SDD-12060-DIM</b>	60W	120VAC	12VDC (12V-13.5V ADJUST)	5A	YES	UL FCC ROHS
<b>SDD-24060-DIM</b>	60W	120VAC	24VDC (24V-26V ADJUST)	2.5A	YES	UL FCC ROHS
<b>SDD-48060-DIM</b>	60W	120VAC	48VDC (48V-50V ADJUST)	1.25A	YES	UL FCC ROHS
<b>SDD-24096-DIM</b>	96W	120VAC	24VDC (24V-26V ADJUST)	4A	YES	UL FCC ROHS
<b>SDD-48096-DIM</b>	96W	120VAC	48VDC (48V-50V ADJUST)	2A	YES	UL FCC ROHS
<b>SDD-24100-DIM</b>	100W	120VAC	24VDC (24V-26V ADJUST)	4.17A	YES	UL FCC ROHS
<b>SDD-48100-DIM</b>	100W	120VAC	48VDC (48V-50V ADJUST)	2.08A	YES	UL FCC ROHS
<b>SDD-12120-DIM</b>	120W	120VAC	12VDC (12V-13.5V ADJUST)	10A	NO	UL FCC ROHS
<b>SDD-24160-DIM</b>	160W	120VAC	24VDC (24V-26V ADJUST)	6.67A	NO	UL FCC ROHS
<b>SDD-48160-DIM</b>	160W	120VAC	48VDC (48V-50V ADJUST)	3.33A	NO	UL FCC ROHS
<b>SDD-12060-CCT</b>	60W	120VAC	12VDC (12V-13.5V ADJUST)	5A	YES	UL FCC ROHS
<b>SDD-24060-CCT</b>	60W	120VAC	24VDC (24V-26V ADJUST)	2.5A	YES	UL FCC ROHS
<b>SDD-48060-CCT</b>	60W	120VAC	48VDC (48V-50V ADJUST)	1.25A	YES	UL FCC ROHS
<b>SDD-24096-CCT</b>	96W	120VAC	24VDC (24V-26V ADJUST)	4A	YES	UL FCC ROHS
<b>SDD-48096-CCT</b>	96W	120VAC	48VDC (48V-50V ADJUST)	2A	YES	UL FCC ROHS
<b>SDD-24100-CCT</b>	100W	120VAC	24VDC (24V-26V ADJUST)	4.17A	YES	UL FCC ROHS
<b>SDD-48100-CCT</b>	100W	120VAC	48VDC (48V-50V ADJUST)	2.08A	YES	UL FCC ROHS
<b>SDD-12120-CCT</b>	120W	120VAC	12VDC (12V-13.5V ADJUST)	10A	NO	UL FCC ROHS
<b>SDD-24160-CCT</b>	160W	120VAC	24VDC (24V-26V ADJUST)	6.67A	NO	UL FCC ROHS
<b>SDD-48160-CCT</b>	160W	120VAC	48VDC (48V-50V ADJUST)	3.33A	NO	UL FCC ROHS
<b>SDD-12060-ND</b>	60W	120VAC	12VDC (12V-13.5V ADJUST)	5A	YES	UL FCC ROHS
<b>SDD-24060-ND</b>	60W	120VAC	24VDC (24V-26V ADJUST)	2.5A	YES	UL FCC ROHS
<b>SDD-48060-ND</b>	60W	120VAC	48VDC (48V-50V ADJUST)	1.25A	YES	UL FCC ROHS
<b>SDD-24096-ND</b>	96W	120VAC	24VDC (24V-26V ADJUST)	4A	YES	UL FCC ROHS
<b>SDD-48096-ND</b>	96W	120VAC	48VDC (48V-50V ADJUST)	2A	YES	UL FCC ROHS
<b>SDD-24100-ND</b>	100W	120VAC	24VDC (24V-26V ADJUST)	4.17A	YES	UL FCC ROHS
<b>SDD-48100-ND</b>	100W	120VAC	48VDC (48V-50V ADJUST)	2.08A	YES	UL FCC ROHS
<b>SDD-12120-ND</b>	120W	120VAC	12VDC (12V-13.5V ADJUST)	10A	NO	UL FCC ROHS
<b>SDD-24160-ND</b>	160W	120VAC	24VDC (24V-26V ADJUST)	6.67A	NO	UL FCC ROHS
<b>SDD-48160-ND</b>	160W	120VAC	48VDC (48V-50V ADJUST)	3.33A	NO	UL FCC ROHS

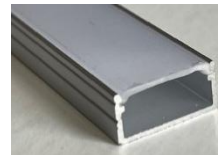
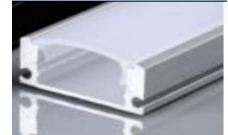
## LINEAR ALUMINUM PROFILES

### Slim Surface Mount LED Channel

The Surface Mount LED Tape Light Channel is a premium low-profile aluminum extrusion designed for professional, sleek and efficient LED tape light installations. It serves as a heat sink to improve LED longevity and performance and protects against dust and debris while offering a professional, sleek, modern finished look. Ideal for mounting LED strips on porous surfaces, this lightweight yet durable channel ensures smooth light diffusion with its frosted lens cover. This versatile LED track is perfect for under-cabinet, cove, accent, and architectural lighting.

#### FEATURES & BENEFITS:

- **Industrial-Grade Aluminum Extrusion** – Built for custom linear lighting projects
- **Precision Cuttable** – Can be trimmed in-house or in the field for tailored installations
- **Heat Dissipation & Protection** – Act as A Heat Sink, Cooling and extending LED lifespan by preventing overheating and shielding from dust
- **Professional Finish** – Creates a clean, modern look for installations
- **Frosted Lens Cover** – Diffuses light evenly for a soft, smooth glow
- **Complete Installation Kit** – Includes channel, frosted lens, end caps, and mounting clips



#### SLIM SURFACE MOUNT CHANNEL SPECIFICATION TABLE:

DIAGRAM	ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
	<b>1/2CHNL7SF-48KFR</b>	Height(H): 0.30" Width(W): 0.68"	<ul style="list-style-type: none"> <li>• 48" Channel &amp; Frosted Lens</li> <li>• 2XSurf Mounting Clips</li> <li>• End Caps: 1XOpen, 1XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>
	<b>1/2CHNL7SF-96KFR</b>	Interior Depth(D): 0.24" Interior Width(W): 0.48"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• 4XSurf Mounting Clips</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	
	<b>5/8CHNL9SF-48KFR</b>	Height(H): 0.33" Width(W): 0.71"	<ul style="list-style-type: none"> <li>• 48" Channel &amp; Frosted Lens</li> <li>• 2XSurf Mounting Clips</li> <li>• End Caps: 1XOpen, 1XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>
	<b>5/8CHNL9SF-96KFR</b>	Interior Depth(D): 0.27" Interior Width(W): 0.63"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• 4XSurf Mounting Clips</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	

#### DIFFUSION PERFORMANCE

- In channel diffusion for Lumled's high density tape lights.

#### COMPATIBLE TAPE LIGHT

- 0.5" or less than wide tape light or wet rated for 1/2CHNL7SF.
- 5/8" or less than wide tape light or wet rated for 5/8CHNL9SF.

#### ENVIRONMENTAL

- Suitable for indoor, dry, damp, and wet location use.

## Slim Recessed Mount LED Channel

The Slim Recessed Mount LED Tape Light Channel is a low-profile aluminum extrusion designed for sleek and efficient LED tape light installations. It serves as a heat sink to improve LED longevity and performance while offering a professional, finished look. Ideal for mounting LED strips on porous surfaces, this lightweight yet durable channel ensures smooth light diffusion with its frosted lens cover. This slim recessed mount track is perfect for under cabinet, display cases & shelving, cove, accent, architectural, and commercial lighting.

### FEATURES & BENEFITS:

- **Industrial Extrusions**-Built for Custom Linear Lighting Projects
- **Low-Profile Design** – Discreet 0.30" height for a seamless surface mount
- **Precision Cuttable**-In-house And Field Cuttable by Individual Specifications
- **Heat Dissipation** – Enhances LED lifespan by acting as a heat sink
- **Professional Finish** – Creates a clean, modern look for installations
- **Frosted Lens Cover** – Diffuses light evenly for a soft, smooth glow, and protect LED Tape Light from Dust and Debris
- **Complete Installation Kit** – Includes 8ft channel, frosted cover, end caps, and mounting clips



### SLIM RECESSED MOUNT CHANNEL SPECIFICATION TABLE:

DIAGRAM	ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
	1/2CHNL7RC-96KFR	Height(H): 0.27" Width(W): 0.97" Interior Depth(D): 0.23" Interior Width(W): 0.58"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• 4XSurf Mounting Clips</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>

### DIFFUSION PERFORMANCE:

- In channel diffusion for Lumled's high density tape lights.

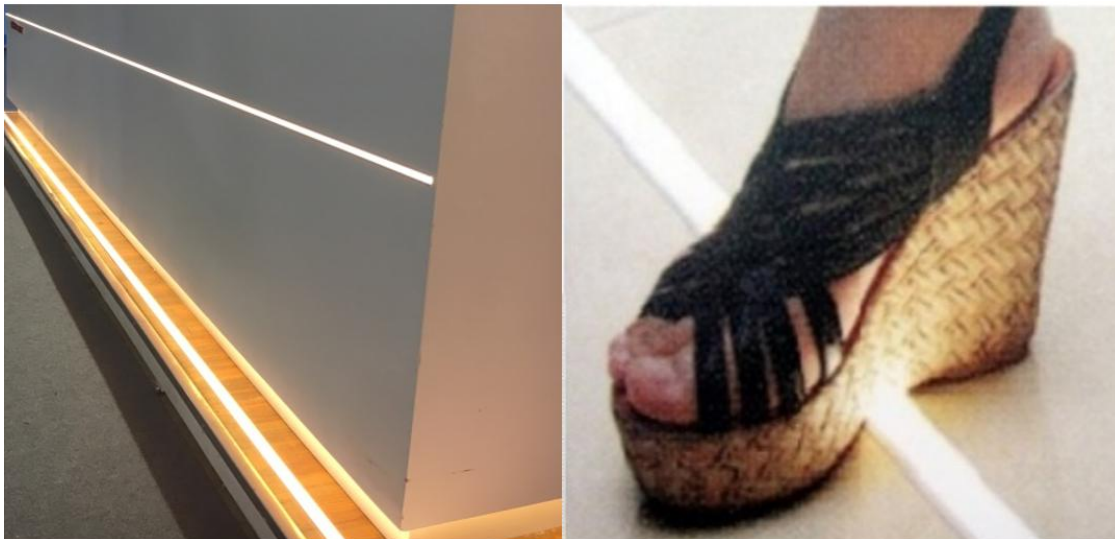


### COMPATIBLE TAPE LIGHT:

- 0.5" or less than wide tape light or wet rated.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.



## Inward Corner Surface Mount LED Channel

The Inward Corner Surface Mount LED Tape Light Channel is designed for installing LED tape lights up to 0.39 inches wide on corner surfaces. It serves as a heat sink, effectively cooling the tape lights and extending their lifespan.

### FEATURES & BENEFITS:

- **Industrial-Grade Extrusion**-Provides a robust solution for custom linear lighting applications.
- **Customizable Length**-Can be cut in-house or on-site to meet specific requirements.
- **Efficient Heat Dissipation**-Acts as a heat sink, cooling and prolonging the LED tape light's lifespan.
- **Protection**-Shields LED tape lights from dust and debris.
- **Complete Kit**-Includes channel, frosted lens, end caps, and mounting clips for easy installation
- **5-Year Limited Warranty** – Ensures quality and reliability



### INWARD CORNER SURFACE MOUNT CHANNEL SPECIFICATIONS:

DIAGRAM	ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
	1/2CHNL45RC-48KFR	Height(H): 0.63" Width(W): 0.63" Interior Depth(D): 0.42" Interior Width(W): 0.48" Max Tape Width: 0.39"	<ul style="list-style-type: none"> <li>• 48" Channel &amp; Frosted Lens</li> <li>• 2XSurf Mounting Clips</li> <li>• End Caps: 1XOpen, 1XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>
	1/2CHNL45RC-96KFR		<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• 4XSurf Mounting Clips</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	

### DIFFUSION PERFORMANCE:

- In channel diffusion for Lumled's high density tape lights.



### COMPATIBLE TAPE LIGHT:

- 0.39" or less wide tape light or wet rated.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.



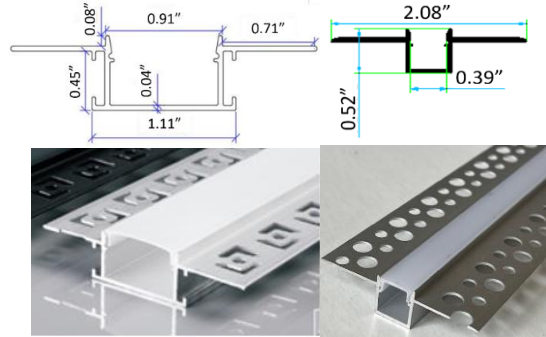


## Mud in Recessed Mount LED Channel for Remodeling

The Mud-In Recessed Mount LED Tape Light Channel for remodeling is specifically designed for integrating LED tape lighting into walls and ceilings during remodeling projects. Its robust aluminum construction not only provides durable housing but also functions as an effective heat sink, enhancing the performance and longevity of your LED tape lights.

### FEATURES & BENEFITS:

- **Sturdy Aluminum Construction**-Ensures durability and efficient heat dissipation.
- **Customizable Length**- Can be cut in-house or on-site to meet specific installation requirements.
- **Wide Flange Design**- Facilitates easy application of drywall mud for a flush, seamless finish.
- **Frosted Lens Cover**-Shields LED tape lights from dust and debris, maintaining optimal performance.
- **Seamless Architectural Accent**-Offers a clean, modern aesthetic that complements contemporary designs.
- **5-Year Limited Warranty**-Demonstrates our commitment to quality and customer satisfaction.



### REMODEL MUD-IN CHANNEL SPECIFICATIONS:

ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
<b>R916TRMLS13/16-96KFR</b>	Height(H): 0.54" Width(W): 2.42" Interior Width(W): 0.81" Cut Out Width(CO): 1.19"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>
<b>R12TRMLS3/8-96KFR</b>	Height(H): 0.52" Width(W): 2.08" Interior Width(W): 0.39" Cut Out Width(CO): 0.48"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>

### DIFFUSION PERFORMANCE:

- In channel diffusion for Lumled's high density tape lights.



### COMPATIBLE TAPE LIGHT:

- 0.81" or less wide tape light or wet rated for R916TRMLS13/16-96KFR.
- 0.39" or less wide tape light or wet rated for R12TRMLS3/8-96KFR.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.

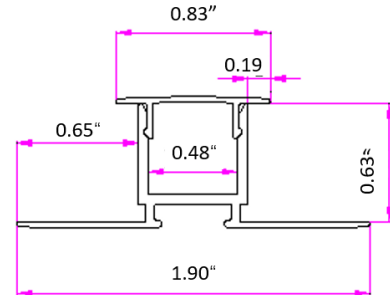
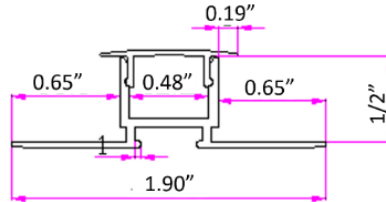
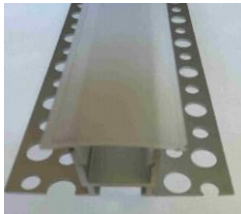


## Mud in Recessed Mount LED Channel for New Construction

The Mud-In Recessed Mount LED Tape Light Channel for new construction is specifically designed for seamless integration of LED tape lighting into walls and ceilings during new construction projects. Its sturdy aluminum construction not only provides a durable housing but also functions as an effective heat sink, enhancing the performance and longevity of your LED tape lights.

### FEATURES & BENEFITS:

- **Robust Aluminum Construction**-Ensures durability and efficient heat dissipation.
- **Customizable Length**-Can be cut in-house or on-site to meet specific installation requirements.
- **Wide Flange Design**-Facilitates easy application of drywall mud for a flush, seamless finish.
- **Protective Housing**-Shields LED tape lights from dust and debris, maintaining optimal performance.
- **Architectural Integration**-Offers a clean, modern accent that complements contemporary designs.
- **5-Year Limited Warranty**-Demonstrates our commitment to quality and customer satisfaction.



### NEW CONSTRUCTION MUD-IN CHANNEL SPECIFICATION TABLE:

ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
1/2TRMLS1/2-96KFR	Height(H): 0.52" Width(W): 1.90" Interior Depth(D): 0.39" Interior Width(W): 0.48" Cut Out Width(CO): 0.60"	<ul style="list-style-type: none"> <li>96" Channel &amp; Frosted Lens</li> </ul>	<ul style="list-style-type: none"> <li>Light Loss: 20%</li> <li>CCT Shift: -40K</li> </ul>

### DIFFUSION PERFORMANCE:

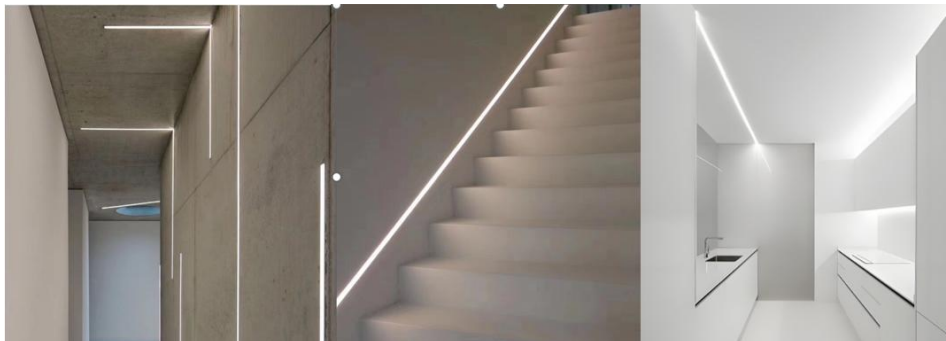
- In channel diffusion for Lumled's high density tape lights.

### COMPATIBLE TAPE LIGHT:

- 0.5" or less wide tape light or wet rated.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.

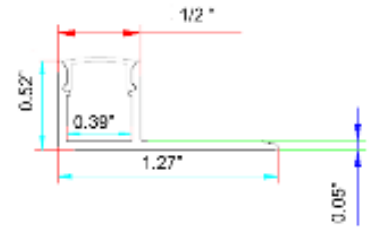


## Edge Mud in Recessed Mount LED Channel

The Edge Mud-In Recessed Mount LED Tape Light Channel is an ideal solution for integrated edge lighting within walls and ceilings. Designed for both aesthetics and functionality, it also serves as a heat sink, effectively cooling LED tape lights and extending their lifespan.

### FEATURES & BENEFITS:

- **Durable Aluminum Construction** – Ensures long-lasting performance
- **Customizable Length** – Easily cut in-house or on-site to fit specific requirements
- **Effective Heat Dissipation** – Acts as a heat sink to cool and prolong the life of LED
- **Wide Flange Design** – Simplifies drywall mud application for a seamless finish
- **Protective Enclosure** – Shields LED tape lights from dust and debris
- **Architectural Integration** – Provides a clean, modern accent
- **5-Year Limited Warranty** – Ensures quality and reliability



### MUD-IN EDGE CHANNEL SPECIFICATIONS

ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
5/8EDG3/8-96KFR	Height(H): 0.52" Width(W): 0.50" Interior Width(W): 0.39" Cut Out Width(CO): 0.48"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>

### DIFFUSION PERFORMANCE

- In channel diffusion for Lumled's high density tape lights.



### COMPATIBLE TAPE LIGHT:

- 0.39" or less wide tape light or wet rated.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.

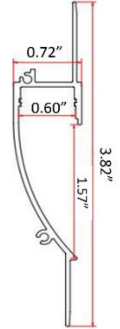


## Mud in Wall Washer Recessed Mount LED Channel

The **Mud-In Recessed Mount Wall Washer LED Tape Light Channel** is designed for seamless integration of wall washer lighting systems into walls and ceilings, delivering a smooth, pastel lighting effect. Its durable construction not only enhances aesthetics but also acts as a heat sink, effectively cooling LED tape lights and extending their lifespan.

### FEATURES & BENEFITS:

- **Sturdy Aluminum Construction** – Ensures durability and long-lasting performance.
- **Customizable Length** – Can be cut in-house or on-site for a precise fit.
- **Superior Heat Dissipation** – Enhances LED longevity by efficiently managing heat.
- **Wide Flange Design** – Allows for easy drywall mud application, creating a flush, seamless finish.
- **Enhanced LED Protection** – Shields tape lights from dust, debris, and potential damage.
- **Architectural Integration** – Provides a clean, modern aesthetic that blends effortlessly with contemporary designs.
- **5-Year Limited Warranty** – Demonstrates our commitment to quality and customer satisfaction.



### MUD-IN WALL WASHER CHANNEL SPECIFICATION TABLE:

ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
<b>1/2WSH5/8-96KFR</b>	Height(H): 0.72" Width(W): 3.82" Interior Depth(D): 0.50" Interior Width(W): 0.60"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>

### DIFFUSION PERFORMANCE:

- In channel diffusion for Lumled's high density tape lights



### COMPATIBLE TAPE LIGHT:

- 0.5" or less than wide tape light or wet rated.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.





## Mud in Recessed Curving LED Channel

**Mud-In Recessed Curving LED Tape Light Channel – Flexible Trimless LED Lighting Solution** is designed for seamless integration into walls and ceilings, providing a trim-less, modern lighting solution with a sleek, professional finish. Unlike traditional rigid channels, this innovative bendable aluminum channel allows for horizontal and vertical curving, making it the ideal choice for arc-shaped and curved lighting designs.

Featuring a soft silicone lens, this channel ensures smooth, diffused illumination while eliminating visible LED hotspots. Perfect for residential, commercial, and architectural lighting, it offers a clean, embedded look that enhances any space.

### FEATURES & BENEFITS

- **Bendable in Horizontal & Vertical Directions** – Achieve custom curved lighting designs with ease.
- **Seamless Mud-In Installation** – Creates a flush, trim-less finish in drywall applications.
- **Soft Silicone Lens** – Ensures smooth and even light diffusion while reducing glare.
- **Perfect for Arc-Shaped Lighting** – Designed for curved walls, ceilings, and architectural features.
- **Efficient Heat Dissipation** – Aluminum channel acts as a heat sink, prolonging LED strip lifespan.
- **Versatile Application** – Ideal for cove lighting, accent lighting, and decorative installations.
- **Compatible with LED Strips** – Works with standard and high-output LED strips for customized lighting effects.

### MUD-IN CURVING CHANNEL SPECIFICATION TABLE:

ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
1/2BNTLS5/8-96KFR	Height(H): 0.5" Width(W): 2.4" Interior Width (W): 0.63" Cut Out Width(W): 0.75"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Silicone Lens</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>

### DIFFUSION PERFORMANCE:

- In channel diffusion for Lumled's high density tape lights.



### COMPATIBLE TAPE LIGHT:

- 0.63" or less wide tape light or wet rated.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.
- Suitable for different arc-shaped lighting applications



## Corner Mud in Recessed Mount LED Channel

**Corner Mud-In Recessed Mount LED Tape Light Channel – Seamless LED Light Integration** is the ultimate solution for achieving sleek, modern, and integrated LED lighting in interior spaces. Designed for drywall installations, this aluminum channel allows LED strips to be seamlessly embedded into corners, providing a clean, flush finish with a professional look.

Mud-in corner channels are available in inward and outward designs, making them the perfect solution for integrated corner lighting systems within walls and ceilings. In addition to enhancing aesthetics, the aluminum channel also acts as a heat sink, effectively cooling LED tape lights to extend their lifespan and maintain optimal performance.

Perfect for residential and commercial applications, the kit includes a sturdy aluminum channel, frosted lens diffuser, and end caps, ensuring even light distribution while reducing glare. This recessed lighting solution is ideal for accent lighting, cove lighting, and architectural designs.

### FEATURES & BENEFITS

- **Seamless Mud-In Installation** – Designed to be embedded into drywall corners for a flush, trimless finish.
- **Inward & Outward Channel Options** – Supports various corner lighting applications for walls and ceilings.
- **Sleek & Modern Look** – Eliminates visible LED strips for a clean architectural lighting effect.
- **Frosted Lens Diffuser** – Provides soft, uniform illumination while minimizing hotspots.
- **Efficient Heat Dissipation** – Aluminum construction acts as a heat sink, preventing LED strip overheating.
- **Versatile Application** – Ideal for cove lighting, wall accents, ceiling corners, and under-cabinet lighting.
- **Kit Includes Everything You Need** – Comes with channel, frosted diffuser, and end caps for easy installation.
- **Compatible with LED Strips** – Works with standard and high-output LED strips for customized lighting effects.

### MUD-IN CORNER CHANNEL SPECIFICATIONS

ITEM#	DIMENSIONS	INCLUDED ACCESSORIES	TECHNICAL RATINGS
<b>3/8INWC5/8-96KFR</b>	Interior Depth (D): 0.5" Interior Width(W): 0.39" Cut Out Width(CO): 5/8"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>
<b>3/8OTWC5/8-96KFR</b>	Interior Depth (D): 0.5" Interior Width(W): 0.39" Cut Out Width(CO): 5/8"	<ul style="list-style-type: none"> <li>• 96" Channel &amp; Frosted Lens</li> <li>• End Caps: 2XOpen, 2XClosed</li> </ul>	<ul style="list-style-type: none"> <li>• Light Loss: 20%</li> <li>• CCT Shift: -40K</li> </ul>

### DIFFUSION PERFORMANCE

- In channel diffusion for Lumled's high density tape lights.

### COMPATIBLE TAPE LIGHT:

- 0.39" or less wide tape light or wet rated.

### ENVIRONMENTAL:

- Suitable for indoor, dry, damp, and wet location use.

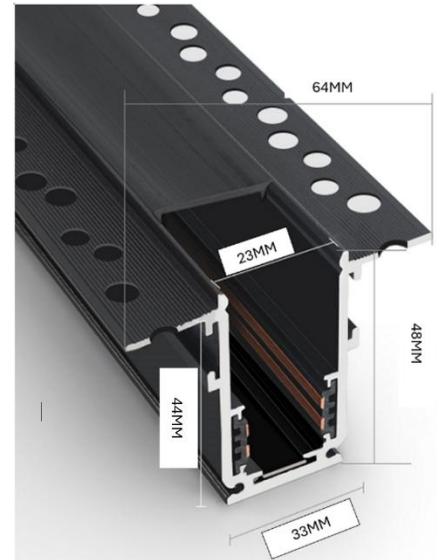
## MUD IN RECESSED MAGNETIC TRACK LIGHTING

### Mud In Recessed Magnetic Track

The Mud-In Recessed Magnetic LED Lighting Track is engineered for seamless integration of diverse track luminaires into walls and ceilings, tailored to individual specifications. Equipped with four high-conductivity gilt wires, it ensures robust magnetic attraction and reliable performance. This system is compatible with various dimming systems, making it suitable for residential, commercial, and architectural applications.

#### FEATURES & BENEFITS:




- **Strong Magnetic Attraction:** Securely holds luminaires in place with built-in high-conductivity gilt wires.
- **Versatile Dimming Compatibility:** Operates seamlessly with multiple dimming systems.
- **Customizable Installation:** Can be cut in-house or on-site to meet specific design requirements.
- **Flexible Luminaire Positioning:** Allows free movement of track light fixtures along the track for optimal lighting design.
- **Wide Flange Design:** Facilitates easy drywall mud application for a seamless finish.
- **Architectural Integration:** Provides a clean, modern accent that enhances interior aesthetics.
- **5-Year Limited Warranty:** Ensures long-term reliability and customer satisfaction.



#### SPECIFICATIONS & ORDER INFORMATION:

ITEM#	DIMENSIONS	LENGTH	FINISH	WEIGHT
<b>RMM23B118</b>	Interior Width: 0.91" (23MM) Cut Out Width: 1.30" (33MM) Outside Height: 1.89" (48MM)	118"(3M)	Black	6.20lb

#### ACCESSORIES FOR MUD IN RECESSED MAGNETIC TRACK LIGHTING SYSTEM

IMAGE	ITEM#	NAME	DESCRIPTION
	<b>RMM23-PTTW-B</b>	Power Feed Connector	3.65" Long, 12" Wire, Black
	<b>RMM23-PTTT-B</b>	Straight Power Connector	5.44" Long, 0.63"W 0.70" H
	<b>RMM23-PTLT-B</b>	Long Snap Power Connector	3.65" Long, 11" Wire, Black

	<b>RMM23-PTST-B</b>	Short Snap Power Connector	7.9" Long, Black
	<b>RMM23-PT-B</b>	T-Power Connector	Black
	<b>RMM23-PCR-B</b>	Cross Power Connector	Black
	<b>RMM23-TKH90-B</b>	Horizontal L-Track Connector (Without Gilt Wires)	100L*100W*48H, Black
	<b>RMM23-TKV90-B</b>	Vertical L-Track Connector (Without Gilt Wires)	Black
	<b>RMM23-TKT-B</b>	T-Track Connector (Without Gilt Wires)	Black
	<b>RMM23-TKCR-B</b>	Cross Track Connector (Without Gilt Wires)	Black
	<b>RMM23-CAP-B</b>	Track End Cap	33W*45H, Black
	<b>RMM23-FX</b>	Track Joiner Bar	Silver

### 1. Straight Power Connector Installation:

Note: Pay attention to the front and back sides of the Power Connector.



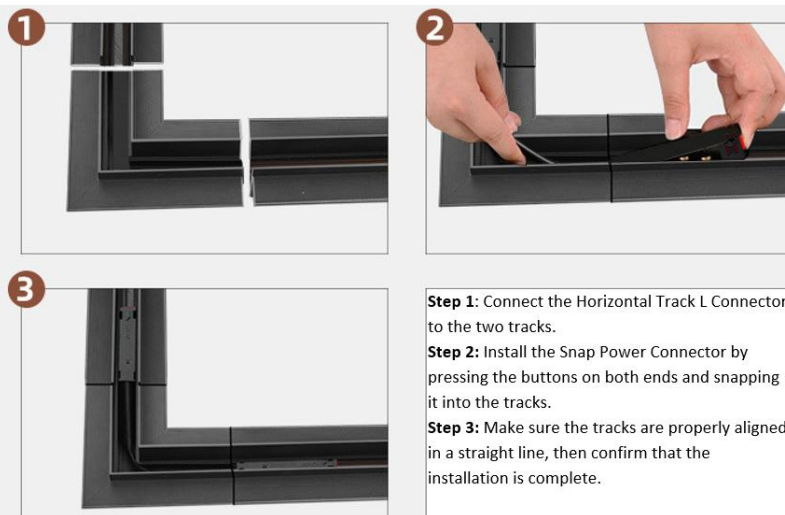
Step 1: Connect the two tracks and keep them aligned in a straight line.

Step 2: Press the buttons on both ends of the Straight Power Connector and snap it into the tracks.

Step 3: Ensure the Straight Power Connector is parallel to the inner side of the tracks.

Step 4: Confirm that the installation is complete.

### 2. Horizontal Track L Connector and Snap Power Connector Installation:



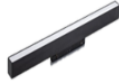
**Step 1:** Connect the Horizontal Track L Connector to the two tracks.

**Step 2:** Install the Snap Power Connector by pressing the buttons on both ends and snapping it into the tracks.

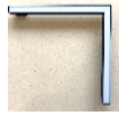
**Step 3:** Make sure the tracks are properly aligned in a straight line, then confirm that the installation is complete.

## LED Modules For Mud In Recessed Magnetic Track Lighting

### 1. Straight Flood Light Module

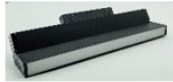


ITEM#	WATTS	VOLTAGE	CCT	CRI	BRIGHT	DIMENSIONS	LENS	FINISH
<b>23FL-30K10-PB</b>	10W	48V	30K	90+	730LUM	300*22*H45	Prism	Black
<b>23FL-30K20-PB</b>	20W	48V	30K	90+	1450LUM	600*22*H45	Prism	Black
<b>23FL-30K30-PB</b>	30W	48V	30K	90+	2100LUM	900*22*H45	Prism	Black
<b>23FL-30K40-PB</b>	40W	48V	30K	90+	2800LUM	120*22*H45	prism	Black



### 2. Right Angle Flood Light Module

ITEM#	WATTS	VOLTAGE	CCT	CRI	BRIGHT	DIMENSIONS	LENS	FINISH
<b>23FL-30K90H-PB</b>	20W	48V	30K	90+	1460LUM	22*H45	Prism	Black
<b>23FL-30K90V-PB</b>	20W	48V	30K	90+	1460LUM	22*H45	Prism	Black



### 3. Foldable Flood Light Module

ITEM#	WATTS	VOLTAGE	CCT	CRI	BRIGHT	DIMENSIONS	LENS	FINISH
<b>23FFL-30K10-PB</b>	10W	48V	30K	90+	730LUM	300*22*H85	Prism	Black
<b>23FFL-30K20-PB</b>	20W	48V	30K	90+	1460LUM	600*22*H85	Prism	Black



### 4. Grille Spotlight Module

ITEM#	WATTS	VOLTAGE	CCT	CRI	BRIGHT	DIMENSIONS	FINISH
<b>23GS-30K6-B</b>	6W	48V	30K	90+	420LUM	112*22*H45	Black
<b>23GS-30K12-B</b>	12W	48V	30K	90+	840LUM	220*22*H45	Black
<b>23GS-30K18-B</b>	18W	48V	30K	90+	1260LUM	328*22*H45	Black
<b>23GS-30K24-B</b>	24W	48V	30K	90+	1680LUM	435*22*H45	Black
<b>23GS-30K30-B</b>	30W	48V	30K	90+	2100LUM	543*22*H45	Black
<b>23GS-30K60-B</b>	60W	48V	30K	90+	4200LUM	1080*22*H45	Black



### 5. Foldable Grille Spotlight Module

ITEM#	WATTS	VOLTAGE	CCT	CRI	BRIGHT	DIMENSIONS	FINISH
<b>23FGS-30K6-B</b>	6W	48V	30K	90+	420LUM	114*22*H45	Black
<b>23FGS-30K12-B</b>	12W	48V	30K	90+	840LUM	222*22*H45	Black
<b>23FGS-30K18-B</b>	18W	48V	30K	90+	1260LUM	330*22*H45	Black
<b>23FGS-30K24-B</b>	24W	48V	30K	90+	1680LUM	437*22*H45	Black



### 6. Adjustable Track Spotlight Module

ITEM#	WATTS	VOLTAGE	CCT	CRI	BRIGHT	DIMENSIONS	LENS	FINISH
<b>23ATS-30K10-PB</b>	10W	48V	30K	90+	730LUM	Φ48*105	Prism	Black
<b>23ATS-30K10-PB</b>	10W	48V	30K	90+	730LUM	Φ48*105	Prism	Black
<b>23ATS-30K10-PB</b>	10W	48V	30K	90+	730LUM	Φ48*105	Prism	Black



## LED Drivers For Mud In Recessed Magnetic Track Lighting

The **KVG Series** are Triac/0-10V/1-10V/10V PWM/Potentiometer (5-in-1) compatible dimmable constant voltage drivers, offering a smooth, flicker-free 0–100% dimming range with stepless performance. They are compatible with a wide range of popular dimmers, including ELV, MLV, TRIAC, 0-10V/1-10V, resistance-based, and 10V PWM dimmers, as well as various lighting control systems such as Lutron, Leviton, and Crestron. This broad dimming compatibility makes the drivers easy to integrate into existing residential or commercial lighting installations.

### Workable Dimmers:

- Control System
- ELV & MLV & TRIAC dimmers, 0-10V/1-10V/Resistance/10V PWM dimmer

### Specifications:

<b>Input Voltage:</b>	100-277 VAC, 60 Hz
<b>Output Voltage:</b>	Constant Voltage (CV), PWM, Voltage Reduce
<b>Max. Load of Rated Wattage:</b>	100%
<b>Min. Load of Rated Wattage:</b>	10%
<b>Power Factor:</b>	>0.95
<b>Protection:</b>	Short Circuit, Over Loading, Over Temperature
<b>Junction Box:</b>	Built-in
<b>Location:</b>	Dry / Wet / Damp
<b>Limited Warranty:</b>	5 Years
<b>Certification:</b>	UL Listed



### Outstanding Performance:

- Continuous, Smooth, and Stable Dimming
- High Power Factor
- Full Dimming: 0-100% Range
- No Alter LED CRI
- Flicker-free

### Order Information:



ITEM#	OUTPUT	POWER	INPUT	LOCATION	DIMENSIONS
<b>KVG-48030-DWJ</b>	48VDC 0.63A	30W	100-277VAC	WET/DRY/DAMP	165*94.5*40
<b>KVG-48060-DWJ</b>	48VDC 1.255A	60W	100-277VAC	WET/DRY/DAMP	188*94.5*40
<b>KVG-48080-DWJ</b>	48VDC 1.67A	80W	100-277VAC	WET/DRY/DAMP	220*94.5*40
<b>KVG-48096-DWJ</b>	48VDC 2A	96W	100-277VAC	WET/DRY/DAMP	220*94.5*40
<b>KVG-48100-DWJ</b>	48VDC 2.08A	100W	100-277VAC	WET/DRY/DAMP	220*94.5*40
<b>KVG-48120-DWJ</b>	48VDC 2.5A	120W	100-277VAC	WET/DRY/DAMP	220*94.5*40
<b>KVG-48150-DWJ</b>	48VDC 3.13A	150W	100-277VAC	WET/DRY/DAMP	260*105*45
<b>KVG-48200-DWJ</b>	48VDC 4.17A	200W	100-277VAC	WET/DRY/DAMP	260*105*45
<b>KVG-48300-DWJ</b>	48VDC 6.25A	300W	100-277VAC	WET/DRY/DAMP	278*110*45

## CCT, RGB, RGBW & RGB+CCT CONTROLLERS

<p><b>Item#: G-WIFI</b></p> 	<p><b><u>2.4 G LED WIFI CONTROLLER HUB</u></b> By integrating with a compatible controller, users can remotely control LED lighting products via Wi-Fi-enabled devices, such as smartphones. This allows for effortless color scheme adjustments anytime, anywhere.</p>	<p><b>FEATURES &amp; BENEFITS</b></p> <ul style="list-style-type: none"> <li>• USB Port/ DC5V</li> <li>• Power Supply by USB Port / Adaptor DC5V, 500mA</li> <li>• IOS &amp; Android Remote Programming</li> <li>• Dimensions: L106*W100*H29</li> </ul>
<p><b>Item#: DM-3202</b></p> 	<p><b><u>CCT TUNABLE CONTROLLER</u></b> Enables users to control CCT tunable tape lights remotely or via a smartphone using G-WiFi connectivity.</p>	<p><b>FEATURES &amp; BENEFITS</b></p> <ul style="list-style-type: none"> <li>• Input: DC12V, 24V</li> <li>• Output: 6A/ Channels</li> <li>• Power:144W(12V), 288W(24V)</li> <li>• WiFi Capable</li> <li>• Remote Range: 40M (24V)</li> <li>• Dimensions: L106*W70*H29</li> </ul>
<p><b>Item#: CTL-GT-W</b></p> 	<p><b><u>RGB CONTROLLER</u></b> Enables users to control RGB tape lights remotely or via a smartphone using G-WiFi connectivity.</p>	<p><b>FEATURES &amp; BENEFITS</b></p> <ul style="list-style-type: none"> <li>• Input: DC12V, 24V</li> <li>• Output: 6A/ Channels</li> <li>• Power:216W(12V), 432W(24V)</li> <li>• WiFi Capable</li> <li>• Remote Range: 40M (24V)</li> <li>• Dimensions: L106*W70*H29</li> </ul>
<p><b>Item#: CTL-GT-4W</b></p> 	<p><b><u>RGBW CONTROLLER</u></b> Enables users to control RGB+W/WW tape lights remotely or via a smartphone using G-WiFi connectivity. It also extends network range, synchronizes dynamic modes, and allows precise W/R/G/B saturation control.</p>	<p><b>FEATURES &amp; BENEFITS</b></p> <ul style="list-style-type: none"> <li>• Input: DC12V, 24V</li> <li>• Output: 6A*/Channels</li> <li>• Power: 288W (12V), 576W(24V)</li> <li>• WiFi Capable</li> <li>• Remote Range: 40M (24V)</li> <li>• Dimensions: L106*W70*H29</li> </ul>
<p><b>Item#: CTL-RGBCCT</b></p> 	<p><b><u>RGBCCT CONTROLLER</u></b> Enables remote control of RGB+CCT tape lights via G-WiFi or a smartphone. It extends network range, synchronizes dynamic modes, and allows precise CCT and R/G/B saturation control.</p>	<p><b>FEATURES &amp; BENEFITS</b></p> <ul style="list-style-type: none"> <li>• Input: DC12V, 24V</li> <li>• Output: 6A/Channel</li> <li>• Total Output: 15A</li> <li>• Power: 180W (12V), 360W (24V)</li> <li>• WiFi Capable</li> <li>• Remote Range: 40M(24V)</li> <li>• Dimensions: L106*W70*H29</li> </ul>

## How To Place An Order ?

### Step 1: Browse Our Catalog

Download our product catalog from [www.lumled-usa.com](http://www.lumled-usa.com) and email [lumledcorp@gmail.com](mailto:lumledcorp@gmail.com) to request pricing and sales terms.



### Step 2: Select Your Items

Use the item number from our catalog to prepare your **Purchase Order (PO)**. Include any specific requirements in the description column. Feel free to contact us with any questions.



### Step 3: Submit a Resale Certificate (First-Time Orders Only)

For first-time orders, send your **resale certificate** along with your **PO** to Lumled Corporation via email.

### Step 4: Order Review & Confirmation

We will review your PO, provide feedback, and confirm your order.

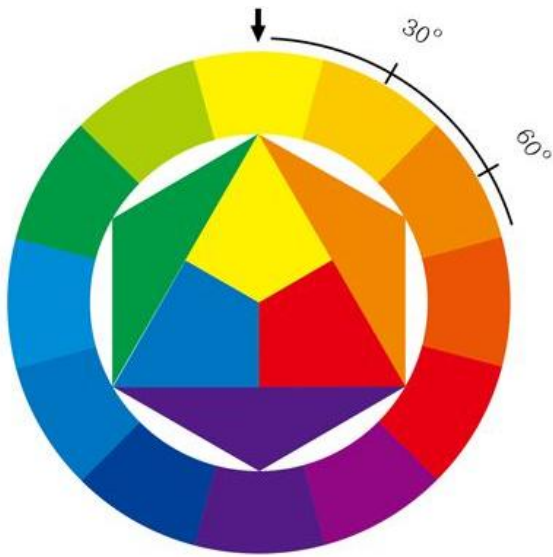
### Step 5: Order Processing & Shipment

Once your order is confirmed, it will be shipped within **24 hours**.

### Step 6: Order Verification

Upon receiving your order, please inspect the shipment. Notify us immediately if there are any discrepancies or issues.





# Lumled Corporation

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[www.lumled-usa.com](http://www.lumled-usa.com)

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