

## 12VDC AND 24VDC FLEXIBLE LED TAPE LIGHT

Kitchens, showrooms, display cases, bars, cove lighting, and custom projects.



### 12VDC



### 24VDC



#### FEATURES

|                       | 27K- 50K                              | RGB                        | RGBW                             |
|-----------------------|---------------------------------------|----------------------------|----------------------------------|
| Power                 | 3W/FT                                 |                            | 5.5W/FT                          |
| Color Temperatures    | 27K, 30K, 35K, 40K, 50K, Amber 595NM* | RGB                        | RGBW (W=30K, 40K, 60K)           |
| Voltage Input         | 12VDC                                 |                            |                                  |
| CRI                   | ≥80- Standard; 90- Special Order      | ≥80                        | ≥80- Standard; 90- Special Order |
| LED Lifespan (L70)    | 50,000 hours                          |                            |                                  |
| Beam Angle            | 120°                                  |                            |                                  |
| Lumens                | 366 lm/ft                             | R-59, G-138, B-40          | R-59, G-138, B-40, W-240         |
| Length per Reel       | 16.4 ft Per Roll                      |                            |                                  |
| LED Type              | 120LED SMD2835                        | 60LED SMD5050              |                                  |
| Cutting               | 0.99 inches cuttable                  | 3.25 inches cuttable       | 1.97 inches cuttable             |
| PCB Width             | 10mm                                  |                            |                                  |
| Operating Temperature | -25° to 45° C; -13° to 113°F          | -20° to 50°C; -4° to 122°F | -25° to 45° C; -13° to 113°F     |
| Rated                 | IP65- Stock; IP20- Special Order      | IP20                       | IP65- Stock; IP20- Special Order |
| Warranty              | 3 year                                |                            |                                  |
| Mounting              | Adhesive Backing                      |                            |                                  |

#### FEATURES

|                       | 27K- 50K                                                                 | RGB                        | RGBW                             | RGBWW                                                               |
|-----------------------|--------------------------------------------------------------------------|----------------------------|----------------------------------|---------------------------------------------------------------------|
| Power                 | (SO) 3W/FT; (HO) 4.5W/FT                                                 |                            | 5.5W/FT                          |                                                                     |
| Color Temperatures    | 22K, 27K, 30K, 35K, 40K, 50K, 65K, Amber 595NM*                          | RGB                        | RGBW (W=30K, 40K, 60K)           | RGBWW (Warm White=30-32K) (Pure White=60-65K)                       |
| Voltage Input         | 24VDC                                                                    |                            |                                  |                                                                     |
| CRI                   | ≥80- Standard; 90- Special Order                                         | ≥80                        | ≥80- Standard; 90- Special Order |                                                                     |
| LED Lifespan (L70)    | 50,000 hours                                                             |                            |                                  |                                                                     |
| Beam Angle            | 120°                                                                     |                            |                                  |                                                                     |
| Lumens                | (SO) 3W/FT; 1200LM/m - 366 lm/ft.<br>(HO) 4.5W/FT; 1500LM/m - 457 lm/ft. | R-59, G-138, B-40          | R-59, G-138, B-40, W-240         | R-59, G-138, B-40, Warm White (30-32K)- 82, Pure White (60-65K)- 85 |
| Length per Reel       | 32.8 ft Per Roll                                                         | 16.4 ft Per Roll           |                                  |                                                                     |
| LED Type              | 120LED SMD2835                                                           | 60LED SMD5050              |                                  |                                                                     |
| Cutting               | 1.97 inches cuttable                                                     | 3.25 inches cuttable       | 3.94 inches cuttable             |                                                                     |
| PCB Width             | 10mm                                                                     |                            |                                  |                                                                     |
| Operating Temperature | -25° to 45° C; -13° to 113°F                                             | -20° to 50°C; -4° to 122°F | -25° to 45° C; -13° to 113°F     |                                                                     |
| Rated                 | IP65- Stock; IP20- Special Order                                         | IP20                       | IP65- Stock; IP20- Special Order |                                                                     |
| Warranty              | 3 year                                                                   |                            |                                  |                                                                     |
| Mounting              | Adhesive Backing                                                         |                            |                                  |                                                                     |

\* = (special order)

## 12VDC AND 24VDC FLEXIBLE LED TAPE LIGHT

### 12VDC SPECIFICATIONS

| PRODUCT #         | COLOR TEMP            | WATTS/FOOT | CUTTABLE INCREMENTS | LUMENS PER FOOT          |
|-------------------|-----------------------|------------|---------------------|--------------------------|
| ZL-TAPE-12V-27K   | 27K (2,700K)          | 3          | 1" - 2"             | 310                      |
| ZL-TAPE-12V-30K   | 30K (3,000K)          | 3          | 1" - 2"             | 336                      |
| ZL-TAPE-12V-35K   | 35K (3,500K)          | 3          | 1" - 2"             | 346                      |
| ZL-TAPE-12V-40K   | 40K (4,000K)          | 3          | 1" - 2"             | 354                      |
| ZL-TAPE-12V-50K   | 50K (5,000K)          | 3          | 1" - 2"             | 357                      |
| ZL-TAPE-12V-RGB   | RGB (color changing)  | 3          | 4" - 8"             | R-59, G-138, B-40        |
| ZL-TAPE-12V-RGBW  | RGBW (color changing) | 3          | 4" - 8"             | R-59, G-138, B-40, W-240 |
| ZL-TAPE-12V-AMBER | Turtle Safe 595N      | 3.0        | 2"                  | N/A                      |

### 12VDC PRODUCT BUILDER

ex: TAPE-12V-30K-IP65

|         |               |                                                                                                                                                                                                                                 |                                                                                 |
|---------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| TYPE    | VOLTAGE INPUT | COLOR TEMP                                                                                                                                                                                                                      | IP RATING                                                                       |
| ZL-TAPE | 12V           | <div>           27K<br/>           30K<br/>           35K<br/>           40K<br/>           50K<br/>           Amber*<br/>           RGB<br/>           RGBW 30K<br/>           RGBW 40K<br/>           RGBW 60K         </div> | <div>           IP65 - Stock<br/>           IP20 - Special Order         </div> |
|         |               | 30K: Standard Stocking<br>40K: Standard Stocking<br>60K: Special Order                                                                                                                                                          | RGB: IP20 Only                                                                  |

### 24VDC SPECIFICATIONS

| PRODUCT #                 | COLOR TEMP       | WATTS/FOOT (Standard/SO) | WATTS/FOOT (High Output/HO) | CUTTABLE | LUMENS/FOOT (Standard/SO)                                           | LUMENS/FOOT (High Output/HO) |
|---------------------------|------------------|--------------------------|-----------------------------|----------|---------------------------------------------------------------------|------------------------------|
| ZL-TAPE-24V-22K-(HO/SO)   | 22K (2,200K)     | 3.0                      | 4.5                         | 2"       | 295                                                                 | 442                          |
| ZL-TAPE-24V-27K-(HO/SO)   | 27K (2,700K)     | 3.0                      | 4.5                         | 2"       | 310                                                                 | 475                          |
| ZL-TAPE-24V-30K-(HO/SO)   | 30K (3,000K)     | 3.0                      | 4.5                         | 2"       | 336                                                                 | 504                          |
| ZL-TAPE-24V-35K-(HO/SO)   | 35K (3,500K)     | 3.0                      | 4.5                         | 2"       | 346                                                                 | 516                          |
| ZL-TAPE-24V-40K-(HO/SO)   | 40K (4,000K)     | 3.0                      | 4.5                         | 2"       | 354                                                                 | 530                          |
| ZL-TAPE-24V-50K-(HO/SO)   | 50K (5,000K)     | 3.0                      | 4.5                         | 2"       | 357                                                                 | 538                          |
| ZL-TAPE-24V-65K-(HO/SO)   | 65K (6,500K)     | 3.0                      | 4.5                         | 2"       | 363                                                                 | 545                          |
| ZL-TAPE-24V-RGB-(HO/SO)   | RGB              | 3.0                      | 4.5                         | 4"       | R-59, G-138, B-40                                                   |                              |
| ZL-TAPE-24V-RGBW-(HO/SO)  | RGBW             | 3.0                      | 4.5                         | 4"       | R-59, G-138, B-40, W-240                                            |                              |
| ZL-TAPE-24V-RGBWW-(HO/SO) | RGBWW            | 3.0                      | 4.5                         | 4"       | R-59, G-138, B-40, Warm White (30-32K)- 82, Pure White (60-65K)- 85 |                              |
| ZL-TAPE-24V-AMBER-(SO)    | Turtle Safe 595N | 3.0                      | N/A                         | 2"       | N/A                                                                 | N/A                          |

### 24VDC PRODUCT BUILDER

ex: TAPE-24V-30K-(HO/SO)

|         |               |                                                                                                                                                                                                                                                                                            |                                                     |                                                                                 |
|---------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------|
| TYPE    | VOLTAGE INPUT | COLOR TEMP                                                                                                                                                                                                                                                                                 | EFFICACY                                            | IP RATING                                                                       |
| ZL-TAPE | 24V           | <div>           22K<br/>           27K<br/>           30K<br/>           35K<br/>           40K<br/>           50K<br/>           65K<br/>           Amber*<br/>           RGB<br/>           RGBW 30K<br/>           RGBW 40K<br/>           RGBW 60K<br/>           RGBWW         </div> | <div>           SO<br/>           HO         </div> | <div>           IP65 - Stock<br/>           IP20 - Special Order         </div> |
|         |               | 30K: Standard Stocking<br>40K: Standard Stocking<br>60K: Special Order                                                                                                                                                                                                                     | * = Amber 595NM (special order/ SO Only)            | RGB: IP20 Only                                                                  |



## 12VDC AND 24VDC FLEXIBLE LED TAPE LIGHT

**IP20**  
Non waterproof

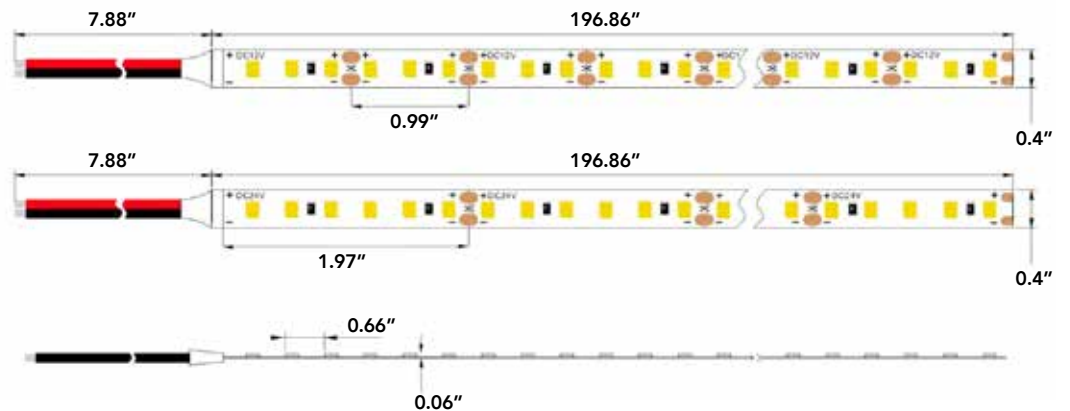


**IP65**  
Silicon coated

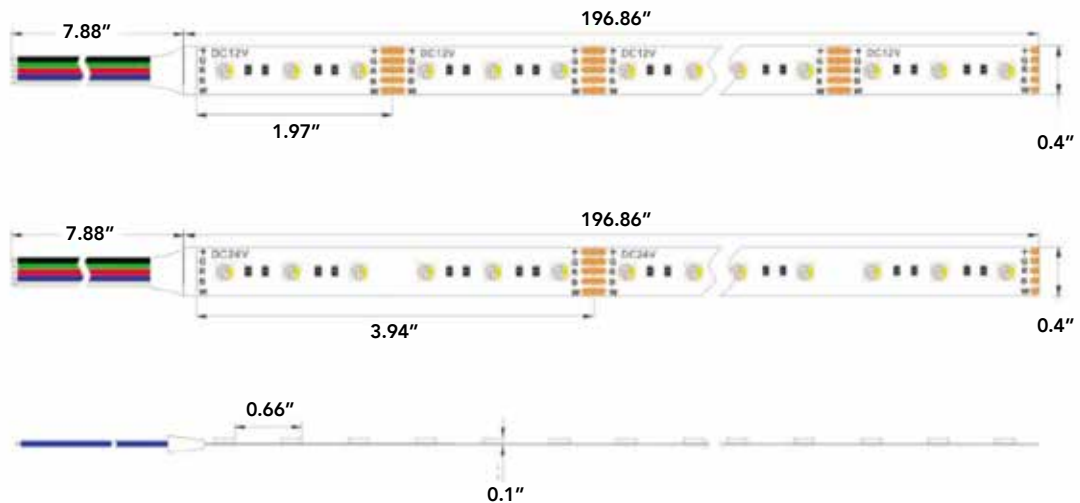


### DIMENSIONS

**120LED  
SMD2835**

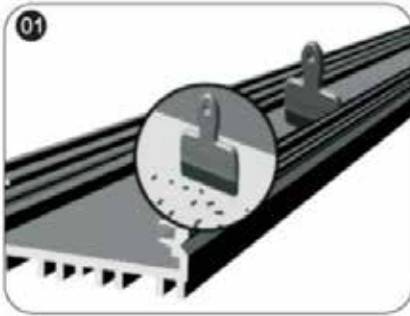


**60LED  
SMD5050**

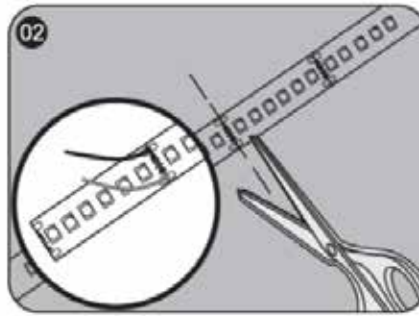


## 12VDC AND 24VDC FLEXIBLE LED TAPE LIGHT

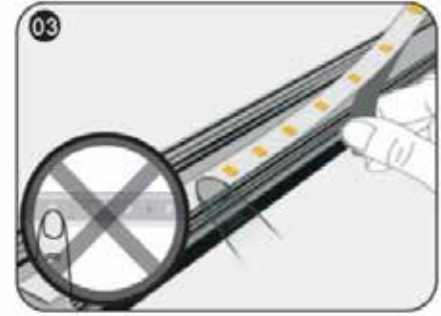
### INSTALLATION



01 Clean up debris on the mounting surface to ensure surface cleaning



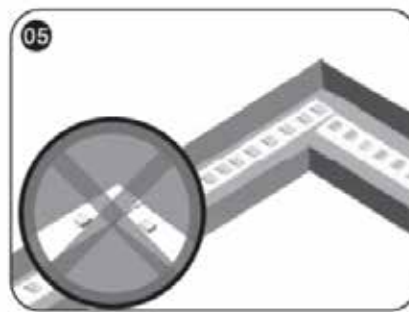
02 Measure the length of the strip to be installed, and cut the extra LED strip along the scissors marking line. If you need to increase the connecting wire, please weld it at the next scissors mark at the cut.



03 When attaching the led strip, be careful to peel while sticking. It is strictly forbidden to tear off all the release paper at once to prevent the led strip from sticking to each other.  
Note: Do not press the lamp beads!



04 The position of the led where scissors are in contact with the bottom of the section need to isolate with sticker tape, so as to avoid short circuit.



05 The light strip at the corner is installed as shown above  
Note: Do not fold into a right angle  
Direct bending on the surface of the profile is strictly prohibited



06 After the strip is installed, it is connected to the power output. Insulation, short - circuit protection and corrosion protection should be done at the terminals



# 12VDC AND 24VDC FLEXIBLE LED TAPE LIGHT

## 12-24V ACCESSORIES

### Strip-to-Strip LED Tape Light Connectors = SS

#### Illuminate Spaces with Versatility and Style

Strip-to-strip LED tape light connectors are designed for seamless connections and flexible installation, making it perfect for a variety of applications. These energy-efficient lighting solutions provide vibrant illumination and can be easily customized to fit any space.

#### KEY FEATURES:

- **Flexible Lengths:** Easily connect multiple strips to achieve the desired length for your project.
- **Easy Installation:** Adhesive backing allows for quick and hassle-free mounting on a variety of surfaces.
- **Versatile Applications:** Ideal for under-cabinet lighting, accent lighting, cove lighting, and more.
- **Color Options:** Available to connect various colors to suit aesthetic preferences.
- **Energy Efficient:** Low power consumption with high brightness output ensures long-lasting performance.

Transform any area with strip-to-strip LED tape light connectors, perfect for commercial settings.



2W-SINGLE-SS-2PIN-CONN



4W-RGB-SS-4PIN-CONN



### Strip-to-Wire LED Lighting Connectors = SW

#### Effortless Connectivity and Brilliant Illumination

Strip-to-wire LED lighting connectors offer a seamless way to create stunning and efficient lighting in any space. Designed for easy connection to power sources, these flexible strips are perfect for professional lighting installations.

#### KEY FEATURES:

- **Simple Connection:** Strip-to-wire design allows for quick and easy connections to existing wiring or power supplies.
- **Versatile Applications:** Ideal for a wide range of uses, including accent lighting, under-cabinet lighting, task lighting, and more.
- **Flexible Lengths:** Cut to the desired length to fit a specific project needs.
- **Variety of Options:** Connect different colors to match a design vision.
- **Energy Efficient:** Low energy consumption while providing high brightness and excellent color rendering.
- **Durable Construction:** Built to last with high-quality materials for reliable performance in various environments.

Enhance a lighting setup with strip-to-wire LED connectors, combining flexibility, efficiency, and style.



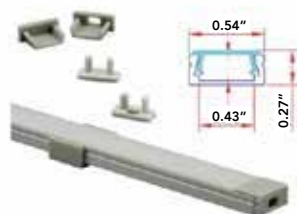
2W-SINGLE-SW-2PIN-CONN



4W-RGB-SW-4PIN-CONN



#### SHALLOW



**ZL-MC-1506 (-C OR -F)**  
4' aluminum mounting channel,  
Comes with 2 end caps and 2 mounting clips

#### DEEP



**ZL-MC-1612 (-C OR -F)**  
4' aluminum mounting channel,  
Comes with 2 end caps and 2 mounting clips

#### 45 DEGREE



**ZL-MC-1616 (-C OR -F)**  
4' aluminum mounting channel,  
Comes with 2 end caps and 8 mounting clips



**2W-PIGTAIL-M**  
**2W-PIGTAIL-F**



**MTCLIPS-REEL**  
Mounting clips 10/pk



**2W-JUNCTION-BLOCK**  
24V Terminal block  
300W (12V MAX), 500W (24V MAX)



**2W-JUMP, 4W-JUMP**  
2 Conductor jumper (18/2 AWG CL3R)  
4 Conductor jumper (18/4 AWG CL3R)

Looking for unique solutions tailored to specific needs? ZLEDLighting specializes in creating custom projects that cater to client vision and requirements. Whether it's a specialized design, bespoke product, or a unique service, the team is here to help bring ideas to life.

**Contact the factory today! (800) 679-9243, or your ZLEDLighting Rep**

Let's collaborate and create something exceptional together. Reach out to us for more information or to discuss your project!



## 12VDC AND 24VDC FLEXIBLE LED TAPE LIGHT

### CONSTANT VOLTAGE TRIAC POWER SUPPLY

| PART #                 | DESCRIPTION                                          | INPUT & OUTPUT VOLTAGE |
|------------------------|------------------------------------------------------|------------------------|
| ZL-DRIVER-24V-48W-DIM  | Dimmable, 30W:<br>6.5" (L) x 3.55" (W) x 1.54" (H)   | 120/277V, 24V          |
| ZL-DRIVER-24V-60W-DIM  | Dimmable, 60W<br>7.41" (L) x 3.55" (W) x 1.54" (H)   | 120/277V, 24V          |
| ZL-DRIVER-24V-96W-DIM  | Dimmable, 96W<br>8.67" (L) x 3.55" (W) x 1.54" (H)   | 120/277V, 24V          |
| ZL-DRIVER-24V-120W-DIM | Dimmable, 120W<br>8.67" (L) x 3.55" (W) x 1.54" (H)  | 120/277V, 24V          |
| ZL-DRIVER-24V-150W-DIM | Dimmable, 150W<br>10.24" (L) x 3.94" (W) x 1.74" (H) | 120/277V, 24V          |
| ZL-DRIVER-24V-192W-DIM | Dimmable, 192W<br>7.41" (L) x 4.75" (W) x 1.66" (H)  | 120/277V, 24V          |
| ZL-DRIVER-24V-300W-DIM | Dimmable, 300W<br>12.45" (L) x 4.75" (W) x 1.66" (H) | 120/277V, 24V          |

### CONSTANT VOLTAGE COMPACT TRIAC POWER SUPPLY

| PART #               | DESCRIPTION                                                 | INPUT & OUTPUT VOLTAGE |
|----------------------|-------------------------------------------------------------|------------------------|
| ZL-DRIVER-PS-60W-12V | Dimmable, Compact, 60W<br>2.83" (L) x 1.53" (W) x 0.89" (H) | 120/277V, 12V          |
| ZL-DRIVER-PS-96W-24V | Dimmable, Compact, 96W<br>2.83" (L) x 1.53" (W) x 0.89" (H) | 120/277V, 24V          |

### 5-IN-1, 0-10V CONSTANT VOLTAGE TRIAC POWER SUPPLY

| PART #                 | DESCRIPTION                                                       | INPUT & OUTPUT VOLTAGE |
|------------------------|-------------------------------------------------------------------|------------------------|
| ZL-DRIVER-24V-96W-5IN1 | Phase Cut Dimming 0-10V, 96W<br>6.87" (L) x 3.75" (W) x 1.54" (H) | 120/277V, 24V          |

