

## DIMLUX DIM TO WARM LED STRIP



The Dimlux Dim-to-Warm LED Strip is a high-performance linear lighting solution designed to replicate the behavior of traditional incandescent dimming. As light levels are reduced, correlated color temperature transitions smoothly from 3000K down to 1800K, delivering a warm, natural ambiance. Ideal for architectural, retail, hospitality, and millwork applications where premium dimming performance and color quality are required.

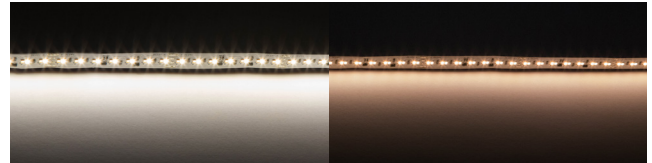
### Key Features

- Dim-to-Warm operation transitions from 3000K at full output to 1800K when dimmed
- High-quality 2016 SMD LEDs for consistent color and output
- High color rendering, CRI 90+
- 24V DC constant voltage input
- Output range of 950–1800 lumens per meter
- Maximum stocked length: 16.4 ft (5M)
- Cuttable every 2.71" (62.5mm)



Full Brightness 3000K

Dimmed 1800K



### Applications

Under Cabinet | Accent | Back Bar | Display | Cove | Mood

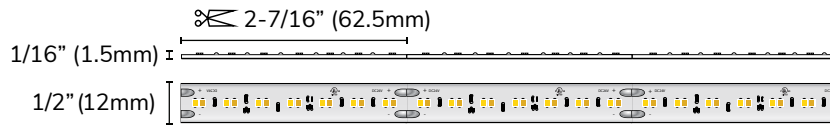
### Installation

Double-sided 3M tape on the back

### Specifications

|                  |                                                     |                                                     |
|------------------|-----------------------------------------------------|-----------------------------------------------------|
| Voltage          | 24V DC                                              | 24V DC                                              |
| Wattage          | 2.7W/ft (9W/M)                                      | 5.5W/ft (18W/M)                                     |
| Lumen Output     | 290/ft (950/M)                                      | 550/ft (1800/M)                                     |
| Color Temp       | Dim to Warm (3000K - 1800K)                         | Dim to Warm (3000K - 1800K)                         |
| Beam Angle       | 120°                                                | 120°                                                |
| Dimmable         | Yes, dim to warm                                    | Yes, dim to warm                                    |
| LED Density      | 68 LEDs/ft (224 LEDs/M)                             | 68 LEDs/ft (224 LEDs/M)                             |
| Cut Increment    | 14 LEDs - 2 <sup>7</sup> / <sub>16</sub> " (62.5mm) | 14 LEDs - 2 <sup>7</sup> / <sub>16</sub> " (62.5mm) |
| Roll Length      | 16.4' (5M)                                          | 16.4' (5M)                                          |
| CRI              | >90                                                 | >90                                                 |
| IP Rating        | 22                                                  | 22                                                  |
| Operating Temp   | -25~+60°C (-13~140°F)                               | -25~+60°C (-13~140°F)                               |
| Lifespan         | +65,000 hours                                       | +65,000 hours                                       |
| Lead Wire Length | 12" (30cm) wire lead on both ends                   | 12" (30cm) wire lead on both ends                   |
| Warranty         | 5-year                                              | 5-year                                              |

## Dimensions



## Ordering Codes

|      | Product             | Chip & Length                         | Voltage             | LEDs/M                | Color Temp                       |
|------|---------------------|---------------------------------------|---------------------|-----------------------|----------------------------------|
| LS - | FLI                 | 4B                                    | 24                  | 224                   |                                  |
|      | <b>FLI</b> : Indoor | <b>4</b> : 2016 <b>B</b> : 5M (16.5') | <b>24</b> : 24 volt | <b>224</b> : 224 LEDs | <b>DTW</b> : Dim to Warm (18W/M) |

## Solderless Connectors

Solderless connectors are designed to provide a simple and quick connection for projects. Suitable for indoor applications.

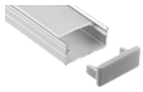
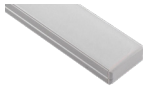



| Image | Code       | Product              | Description                                                                                    |
|-------|------------|----------------------|------------------------------------------------------------------------------------------------|
|       | LS-SC1-DTW | Seamless Connector   | 2 wire. Width: 11/16" (17mm). Application: Add length.                                         |
|       | LS-SC2-DTW | Power Feed           | 12" lead with connector - 2 wire. Width: 11/16" (17mm). Applications: Cut strip to power.      |
|       | LS-SC3-DTW | Jumper               | 6" lead with connector on each side - 2 wire. Width: 11/16" (17mm). Applications: For corners. |
|       | LS-WPC-2   | Waterproof Connector | For corners or to make new lengths (solder on)                                                 |

## Controllers

| Image | Product                          | Code        | Description                                                                                                                                        | Functions                                                                                                | Dimensions                                          |
|-------|----------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
|       | Dimmer                           | LS-WD-WT    | Dimmer with switch, Dims 10-100% (fades up and down smoothly)                                                                                      | 120V AC, 60Hz, Single Pole, 150W output power                                                            | Fits standard single gang junction box,             |
|       | Casambi 4 Channel PWM Controller | LS-CBU-PWM4 | Control up to 250 fixtures with intelligent mesh network and customizable user interface. Multiple networks can be set up with same control system | 12-24V DC<br>48W - 96W<br>4A Output Power<br>Surface Mountable<br>Includes Downloadable Smart Device App | L2-7/8 x W1-3/16 x H11/16"<br>(L72.6 x W30 x H18mm) |

## Aluminum LED Profiles





Each aluminum profile can be combined with its respective LED flexible strip to create a customized look for various applications.




| Image                                                                               | Code          | Product                 | Description                                                       | Specs                                                                                  |
|-------------------------------------------------------------------------------------|---------------|-------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|    | LS-LL12-L1    | 1M LL12 Channel         | Slim Modern.<br>1M (40") or 2M (80") lengths.                     | W23/32 x H5/16" (W18 x H8mm).<br>All connectors compatible.                            |
|                                                                                     | LS-LL12-L2    | 2M LL12 Channel         |                                                                   |                                                                                        |
|    | LS-LL13-L1    | 1M LL13 Channel         | Wide Slim.<br>1M (40") or 2M (80") lengths.                       | W29/32 x H3/8" (W23 x H10mm).<br>All connectors compatible.                            |
|                                                                                     | LS-LL13-L2    | 2M LL13 Channel         |                                                                   |                                                                                        |
|    | LS-LL15-L1    | 1M LL15 Channel         | Thin Recessed and Surface Mount.<br>1M (40") or 2M (80") lengths. | W43/64 x H9/32" (W17 x H7mm).<br>Production lead or solder required.                   |
|                                                                                     | LS-LL15-L2    | 2M LL15 Channel         |                                                                   |                                                                                        |
|    | LS-LL16-L1    | 1M LL16 Channel         | Deep Recessed.<br>1M (40") length.                                | W45/64 x H19/32" (W18 x H15mm).<br>Production lead or solder required.                 |
|    | LS-LL18-L1-BK | 1M LL18 Channel         | Black, Recessed or Surface Mount.<br>1M (40") length.             | W3/4 x H1/2" (W19 x H12mm).<br>Production lead or solder required.                     |
|    | LS-LL18-L2.5  | 2.5M LL18 Channel       | Aluminum, Recessed or Surface Mount.<br>2.5M (8ft) length.        | W3/4 x H1/2" (W19 x H12mm).<br>Production lead or solder required.                     |
|  | LS-LL23-DW-L3 | 3M LL23 Drywall Channel | Mud In.<br>3M (9.8') length.                                      | W1 <sup>9</sup> / <sub>64</sub> x H35/64" (W29 x H14mm).<br>All connectors compatible. |

## Power Supplies

| Non-Dimmable                                                                        |                  |         |              |          |                                    |
|-------------------------------------------------------------------------------------|------------------|---------|--------------|----------|------------------------------------|
| Image                                                                               | Code             | Voltage | Output Power | Class II | Dimmable Specs                     |
|  | LS-24V-60W-O-CV  | 24V     | Max. 60W     | √        | Non Dim with plug                  |
|  | LS-24V-96W-O-CV  |         | Max. 96W     | √        | Non Dim with plug                  |
|  | LS-24V-150W-O-CV |         | Max. 150W    | x        | Non Dim with plug                  |
|  | LS-24V-240W-O-CV |         | Max. 240W    | x        | Non Dim, with leads for hard-wire. |
|  | LS-24V-320W-O-CV |         | Max. 320W    | x        | Non Dim, with leads for hard-wire. |

## Power Supplies

| Non-Dimmable                                                                      |                      |         |                                       |          |                         |
|-----------------------------------------------------------------------------------|----------------------|---------|---------------------------------------|----------|-------------------------|
| Image                                                                             | Code                 | Voltage | Output Power                          | Class II | Dimmable Specs          |
|  | LS-24V-30W-JB-O-CV   | 24V     | Max. 30W                              | √        | Non Dim, Boxed Hardware |
|  | LS-24V-60W-JB-O-CV   |         | Max. 60W                              | √        | Non Dim, Boxed Hardware |
|  | LS-24V-96W-JB-O-CV   |         | Max. 96W                              | √        | Non Dim, Boxed Hardware |
|  | LS-24V-96Wx3-JB-O-CV |         | Max. 288 W (3 × 96 W Class 2 outputs) | √        | Non Dim, Boxed Hardware |

| Dimmable                                                                            |                      |         |                               |          |                                                                                            |
|-------------------------------------------------------------------------------------|----------------------|---------|-------------------------------|----------|--------------------------------------------------------------------------------------------|
| Image                                                                               | Code                 | Voltage | Output Power                  | Class II | Dimmable Specs                                                                             |
|  | LS-24V-24D-CV        | 24V     | Max. 24W                      | √        | Triac Dimming. Hardwire                                                                    |
|                                                                                     | LS-24V-48D-CV        |         | Max. 48W                      | √        |                                                                                            |
|                                                                                     | LS-24V-60D-CV        |         | Max. 60W                      | √        |                                                                                            |
|  | LS-24V-30D-MLT-CV    |         | Max. 30W                      | √        | 5 in 1 dimming.<br>Triac/Phase. 0-10V, 1-10V,<br>Potentiometer, 10V PWM.<br>Boxed Hardware |
|                                                                                     | LS-24V-60D-MLT-CV    |         | Max. 60W                      | √        |                                                                                            |
|                                                                                     | LS-24V-96D-MLT-CV    |         | Max. 96W                      | √        |                                                                                            |
|                                                                                     | LS-24V-150D-MLT-CV   |         | Max. 150W                     | X        |                                                                                            |
|                                                                                     | LS-24V-300D-MLT-CV   |         | Max. 300W                     | X        |                                                                                            |
|                                                                                     |                      |         |                               |          |                                                                                            |
|  | LS-24V-96Wx2D-MLT-CV |         | Max. 192W<br>(2 × 96W Output) | √        |                                                                                            |
|                                                                                     | LS-24V-96Wx3D-MLT-CV |         | Max. 288W<br>(3 × 96W Output) | √        |                                                                                            |