

SINGLE COLOR 5W COBFLEX LED STRIP



The Single Color 5W COBFlex LED Strip is a continuous-output linear lighting solution designed for applications requiring smooth, uniform illumination with no visible LED dotting. Utilizing chip-on-board (COB) technology, it delivers consistent light distribution and high visual comfort when installed in aluminum channel systems. Ideal for architectural, display, millwork, and accent lighting where clean light lines and professional performance are required.

Key Features

- Continuous, dot-free light output using COB LED technology
- Optimized for installation in aluminum channels
- High color quality with excellent color consistency
- Stocked in multiple lengths in both 12V & 24V - 1.5W/ft (5W/M) per meter output configuration
- Single-color operation
- Dimmable with compatible low-voltage dimming power supplies

Applications

Cabinet | Accent | Display | Cove | Under Cabinet

Installation

Double-sided 3M tape on the back

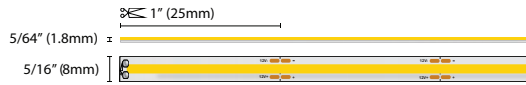


Specifications

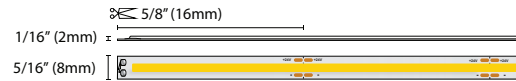
| Voltage | 12V DC | 24V DC |
|------------------|-----------------------------------|---------------------------------------|
| Wattage | 1.5W/ft (5W/M) | 1.5W/ft (5W/M) |
| Lumen Output | 168/ft (550/M) | 168/ft (550/M) |
| Color Temp | 2700K / 3000K / 3500K / 4000K | 2700K / 3000K / 3500K / 4000K / 5000K |
| Beam Angle | 120° | 120° |
| Dimmable | Yes | Yes |
| LED Density | 97 LEDs/ft (320 LEDs/M) | 97 LEDs/ft (320 LEDs/M) |
| Cut Increment | 1" (25mm) | 5/8" (16mm) |
| Roll Length | 16.4' (5M) or 82' (25M) | 16.4' (5M) or 82' (25M) |
| IP Rating | 22 | 22 |
| CRI | >90 | >90 |
| Operating Temp | -25~+60°C (-13~140°F) | -25~+60°C (-13~140°F) |
| Lifespan | +65,000 hours | +65,000 hours |
| Lead Wire Length | 24" (60cm) wire lead on both ends | 24" (60cm) wire lead on both ends |
| Warranty | 5-year | 5-year |

Dimensions

12V:



24V:



Ordering Codes

| Product | Chip & Length | Voltage | LEDs/M | Color Temp |
|---------------------|---|---|-----------------------|---|
| LS - FLI | | | 320 | |
| FLI : Indoor | 9 : COB B : 16.4' (5M) D : 82' (25M) ¹ | 12 : 12 volt 24 : 24 volt ² | 320 : 320 LEDs | 27K : 2700K 3K : 3000K ¹ 35K : 3500K 4K : 4000K 5K : 5000K ² |

¹82' (25M) only available in 3000K color temp

²5000K only available in 24V

Accessories

COB Strip Solderless Connectors are designed to provide a simple and quick connection. Suitable for indoor applications and fits all our Aluminum LED Profiles.

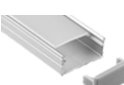
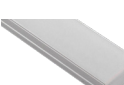
| Image | Code | Product | Description |
|-------|---------------|-------------------------|--|
| | LS-SC1-COB | Seamless Connector | Transparent thin (9mm) solderless strip to strip connector |
| | LS-SC2-COB | Connector on one End | Transparent thin (9mm) solderless connector with 24" wire lead |
| | LS-SC2-COB-20 | Extended Connector | Transparent thin (9mm) solderless connector with 20' (6.1m) wire lead |
| | LS-SC3-COB | Connector on both Ends | Transparent thin (9mm) solderless connectors with 12" wire lead in the middle. |
| | LS-SC4-COB | L - Connector | Transparent thin (9mm) solderless connectors for corners |
| | LS-BK-SC2-COB | Wire to Strip Connector | Compact wire-to-strip connector. Dimensions: 13 × 11 × 6mm. |

Aluminum LED Profiles



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

| Image | Code | Product | Description | Specs |
|-------|-----------|-----------------|--|--|
| | LS-LL8-L1 | 1M LL8 Channel | Corner Mount. 1M (40") or 2M (80") lengths. | W5/8" (W16mm). ID: All connectors compatible. |
| | LS-LL8-L2 | 2M LL8 Channel | | |
| | LS-LL28-1 | 1M LL28 Channel | Large Corner Mount. 1M (40") length. | W1 1/8" (W30mm). All connectors compatible. |

Aluminum LED Profiles

| Image | Code | Product | Description | Specs |
|---|---------------|-------------------------|--|--|
|  | LS-LL9-L1 | 1M LL9 Channel | Square Modern. 1M (40") or 2M (80") lengths. | W5/8 x H1/2" (W16 x H12mm). Production lead or solder required. |
| | LS-LL9-L2 | 2M LL9 Channel | | |
|  | LS-LL9D-L1 | 1M LL9D Channel | Light Degree Adjustable. 1M (40") length. Includes 10° standard lens. | W5/8 x H1/2" (W16 x H12mm). Production lead or solder required. 45°/60°/90° light output available with extra part (LS-LL9D-B-L1). |
|  | LS-LL10-L1 | 1M LL10 Channel | Slim Recessed. 1M (40") or 2M (80") lengths. | W19/32 x H15/64" (W15 x H6mm). Production lead or solder required. |
| | LS-LL10-L2 | 2M LL10 Channel | | |
|  | LS-LL12-L1 | 1M LL12 Channel | Slim Modern. 1M (40") or 2M (80") lengths. | W23/32 x H5/16" (W18 x H8mm). All connectors compatible. |
| | LS-LL12-L2 | 2M LL12 Channel | | |
|  | LS-LL13-L1 | 1M LL13 Channel | Wide Slim. 1M (40") or 2M (80") lengths. | W29/32 x H3/8" (W23 x H10mm). All connectors compatible. |
| | LS-LL13-L2 | 2M LL13 Channel | | |
|  | LS-LL14-L1 | 1M LL14 Channel | Curve Flexible. 1M (40") or 2M (80") lengths. | W45/64 x H7/32" (W18 x H5.7mm). Production lead or solder required. |
| | LS-LL14-L2 | 2M LL14 Channel | | |
|  | LS-LL15-L1 | 1M LL15 Channel | Thin Recessed and Surface Mount. 1M (40") or 2M (80") lengths. | W43/64 x H9/32" (W17 x H7mm). Production lead or solder required. |
| | LS-LL15-L2 | 2M LL15 Channel | | |
|  | LS-LL16-L1 | 1M LL16 Channel | Deep Recessed. 1M (40") length. | W45/64 x H19/32" (W18 x H15mm). Production lead or solder required. |
|  | LS-LL18-L1-BK | 1M LL18 Channel | Black, Recessed or Surface Mount. 1M (40") length. | W3/4 x H1/2" (W19 x H12mm). Production lead or solder required. |
|  | LS-LL18-L2.5 | 2.5M LL18 Channel | Aluminum, Recessed or Surface Mount. 2.5M (8ft) length. | W3/4 x H1/2" (W19 x H12mm). Production lead or solder required. |
|  | LS-LL22-L1 | 1M LL22 Channel | Heavy Duty Inground. 1M (40") or 2M (80") lengths. | W1 ^{1/32} " (W26mm). Production lead or solder required. |
| | LS-LL22-L2 | 2M LL22 Channel | | |
|  | LS-LL23-DW-L3 | 3M LL23 Drywall Channel | Mud In. 3M (9.8') length. | W1 ^{9/64} x H35/64" (W29 x H14mm). All connectors compatible. |

Aluminum LED Profiles

| Image | Code | Product | Description | Specs |
|---|------------|-------------------------------------|---------------------------------------|---|
|  | LS-LL55-L2 | 2M LL55 Channel Custom Available | Closet Rod LED Light 2M (80") | W3/4 x H1 3/16" (W19 x H30mm). ID: All COB Model Connectors compatible. |
|  | LS-LL61-L1 | 1M LL61 Channel | 2" Large Surface. 1M (40") length. | W2" (W50mm). All connectors compatible. |

Power Supplies

| Non-Dimmable | | | | | |
|---|----------------------|-----------|--|----------|--------------------------------------|
| Image | Code | Voltage | Output Power | Class II | Dimmable Specs |
|  | LS-24V-30W-O-CV | 24V | Max. 30W | √ | Non-Dim with Plug |
| | LS-12V-30W-O-CV | 12V | | | |
|  | LS-24V-60W-O-CV | 24V | Max. 60W | √ | Non-Dim with Plug |
| | LS-12V-60W-O-CV | 12V | | | |
|  | LS-24V-96W-O-CV | 24V | Max. 96W | √ | Non-Dim with Plug |
| | LS-12V-96W-O-CV | 12V | | x | |
|  | LS-24V-150W-O-CV | 24V | Max. 150W | x | Non-Dim with Plug |
| | LS-12V-150W-O-CV | 12V | | | |
|  | LS-24V-240W-O-CV | 24V | Max. 240W | x | Non Dim, with leads for hardwire. |
| | LS-12V-264W-O-CV | 12V | Max. 264W | x | Non Dim, with leads for hardwire. |
| LS-24V-320W-O-CV | 24V | Max. 320W | | | |
|  | LS-24V-30W-JB-O-CV | 24V | Max. 30W | √ | Non Dim, Boxed Hardwire |
|  | LS-12V-60W-JB-O-CV | 12V | Max. 60W | √ | Non Dim, Boxed Hardwire |
| | LS-24V-60W-JB-O-CV | 24V | | | |
|  | LS-24V-96W-JB-O-CV | 24V | Max. 96W | √ | Non Dim, Boxed Hardwire |
|  | LS-24V-96Wx3-JB-O-CV | 24V | Max. 288 W (3 x 96 W Class 2 outputs) | √ | Non Dim, Boxed Hardwire |

Power Supplies

| Dimmable | | | | | | |
|---|----------------------|-------------------------------|--------------|----------|--|-------------------------|
| Image | Code | Voltage | Output Power | Class II | Dimmable Specs | |
|  | LS-12V-24D-CV | 12V | Max. 24W | ✓ | Triac Dimming. Hardwire | |
| | LS-12V-48D-CV | | Max. 48W | ✓ | | |
| | LS-12V-60D-CV | | Max. 60W | ✓ | | |
|  | LS-12V-30D-MLT-CV | | Max. 30W | ✓ | 5 in 1 dimming. Triac/Phase. 0-10V, 1-10V, Potentiometer, 10V PWM. Boxed Hardwire | |
| | LS-12V-60D-MLT-CV | | Max. 60W | ✓ | | |
| | LS-12V-96D-MLT-CV | | Max. 96W | X | | |
| | LS-12V-150D-MLT-CV | | Max. 150W | X | | |
| | LS-12V-300D-MLT-CV | | Max. 300W | X | | |
|  | 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. Triac/Phase. 0-10V, 1-10V, Potentiometer, 10V PWM. Boxed Hardwire | |
| | 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 (2 x 96W Output) | | ✓ | | |
| | LS-24V-96Wx3D-MLT-CV | Max. 288W (3 x 96W Output) | | ✓ | | |