

Fixed Color Diffusing Linear Light 16.4 ft (5 m)

Supported models

- C4-LP-FCOB27-16, 2700K Fixed Color Diffusing Linear Light
- C4-LP-FCOB30-16, 3000K Fixed Color Diffusing Linear Light
- C4-LP-FCOB40-16, 4000K Fixed Color Diffusing Linear Light

Introduction

Vibrant Fixed Color Diffusing tape light provides uniform illumination without the need for diffusing covers. This tape light is ideal for areas with low clearance or reflective surfaces by providing a seamless line of light that eliminates dotting or spot-glare effects. A 24V dimmable power supply and compatible dimmer switch are all that are required.

Box contents

- C4-LCB5-2WL, Two-Wire Connector Block with Lead (2)
- C4-LCB10-2W , Two-Wire Connector Block (2)
- C4-LCH5-2WL , Two-Wire Heavy-Duty Connector with Lead (2)
- Right Angle Connector (3)
- Small screwdriver (1)
- Emery board (1)

Specifications and supported load types

The specifications are described below.

Model	2700K	3000K	4000K
Model numbers	C4-LP-FCOB27-16	C4-LP-FCOB30-16	C4-LP-FCOB40-16
Color temperature	2700K	3000K	4000K
Voltage	24V DC	24V DC	24V DC
Wattage	5W/ft (16.4W/m)	5W/ft (16.4W/m)	5W/ft (16.4W/m)
Lumens	369 Lm/ft (1211 Lm/m)	409 Lm/ft (1342 Lm/m)	460 Lm/ft (1509 Lm/m)
Maximum run	16.4 ft (5 m)	16.4 ft (5 m)	16.4 ft (5 m)
Tape size	0.39 × 0.09" (10 × 2.5 mm)	0.39 × 0.09" (10 × 2.5 mm)	0.39 × 0.09" (10 × 2.5 mm)
Cutting increment	1.96" (49.8 mm)	1.96" (49.8 mm)	1.96" (49.8 mm)
Reel length	16.4ft (5 m)	16.4 ft (5 m)	16.4 ft (5 m)
Control method	24V DC power supply, dimmer switch	24V DC power supply, dimmer switch	24V DC power supply, dimmer switch

Warnings and considerations

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IMPORTANT! Read all installation instructions before beginning; if not qualified, do not attempt installation. Contact a qualified electrician
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IMPORTANT! To reduce the risk of fire, electric shock, or injury to persons, pay close attention to this manual and stay within its guidelines when using this product. Save these instructions for future use.
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IMPORTANT! Do not cover this product with paper surface coverings, fabrics, streamers, or other similar combustible materials.
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IMPORTANT! Do not operate Vibrant on the reel, nor while it is coiled.
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IMPORTANT! This IP54 rated tape light is suitable for indoor use in dry and damp locations, but not for direct contact with water or moisture Do not submerge tape light in liquids, or use the product in the vicinity of standing water or other liquids, or where water can accumulate.
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IMPORTANT! Do not route the cord or tape light through walls, ceilings, doors, windows, or any similar part of the building structure.
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IMPORTANT! Secure tape light using only the adhesive provided with the tape and/or factory recommended mounting clips, mounting track, and aluminum channel (sold separately).
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IMPORTANT! Do not secure this product or its cord with staples, nails, or like means that may damage the outer jacket or cord insulation.
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IMPORTANT! Do not use if there is any damage to the tape light, diodes or power cord insulation; inspect periodically.
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IMPORTANT! Do not install on gates or doors, or where subject to continuous flexing.
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IMPORTANT! Do not install in airtight tanks or enclosures of any kinds.
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IMPORTANT! Size your 24V DC driver appropriately for your run distance. Be sure not to load a driver to 100% as this will reduce its efficiency; an 80% maximum load is recommended.
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WARNING! These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes, and/or the current National Electric Code (NEC).
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WARNING! Use only with 24V DC drivers with a wattage capacity that can handle the total load.
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WARNING! To reduce the risk of fire, electric shock or injury to persons, make sure that the electrical power to the system is disconnected at the source prior to installation or any servicing.
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WARNING! Never fold Vibrant® or bend past the minimum bending radius of 1" whether lighted or unlighted.
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WARNING! This device must be protected by a circuit breaker (20A max).

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IMPORTANT! Using this product in a manner other than outlined in this document voids your warranty. Further, Snap One is not liable for any damage incurred with the misuse of this product.
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IMPORTANT! Control4 does not guarantee the performance of any bulb or lamp/fixture in your environment. Customer assumes all risks, including any damage to control4 products, associated with (i) the type, load rating and quality of the bulb and lamp/fixture, or (ii) any use or installation not in accordance with the documentation furnished by control4, either with the control4 product or at www.control4.com.

Installing the tape light

Ensure that the location and intended use meet the following criteria:

- Your tape light does not exceed the maximum run length.
- Your power supply is rated for the total wattage of the run.
- The voltage drop from the tape light length and the length of connecting wires does not go below 21.6V.

To install the tape light, perform the following steps:

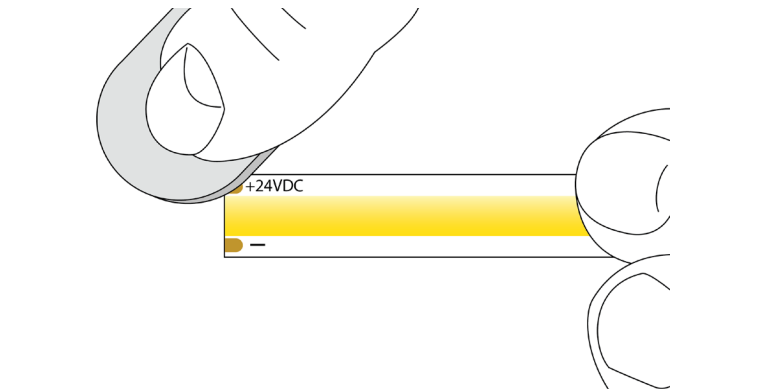
- Before you install the tape light, connect all connectors, lead wires, and jumpers.
- Peel off a few inches of backing covering the adhesive.
- If using an extrusion, align the end of the tape so that it is centered in the extrusion and parallel with its sides.
- Work your way along the tape, gently pressing the section of the tape that has had the backing removed to ensure that it completely adheres to the surface. Continue peeling back a few inches of the backing at a time and gently pressing the tape until the entire strip of tape has adhered to the surface.

- TIP:** Using an extrusion for your tape light is strongly recommended to ensure a solid surface for the tape’s adhesive, to dissipate the heat generated by the tape, and to diffuse the light for consistent lighting.

Cutting the tape light

Do not exceed the maximum tape light run length in any single run.

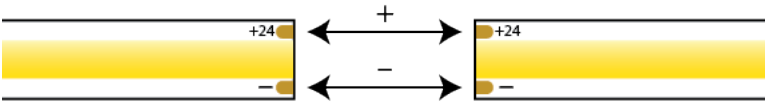
- Cut the tape light only at a designated cut increment. Ensure an even cut along the center of the copper conductors to ensure enough surface area is exposed for snap connector pins to pierce through.
- The tape light is protected by clear coating. Use the supplied emery board on the exposed copper conductors to remove the coating for a better connection.



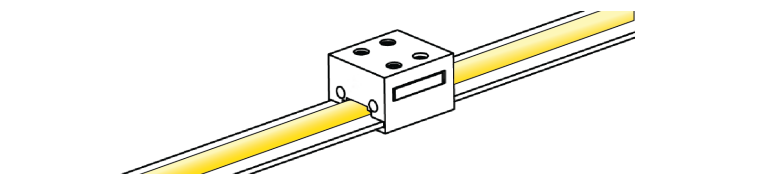
- NOTE:** Simply leave the cut end of the tape light as it is. No special termination methods are required.

Connecting the tape light using connector blocks

- Ensure the polarity of the conductors on the two pieces of tape light to be connected are aligned.



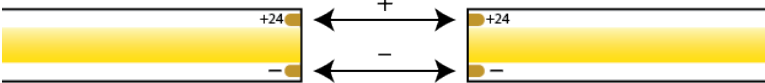
- Peel a small portion of the protective backing from the tape light on the end to be connected, then insert cut tape light end into one side of the connector block. Repeat for the other tape light.



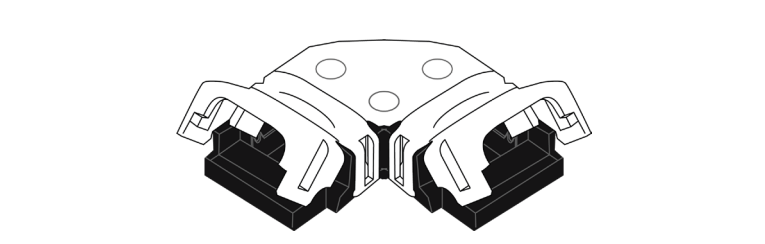
- Using the screwdriver, tighten the four screws on top of the connector block.

Connecting the tape light using right angle connectors

- Ensure the polarity of the conductors on the two pieces of tape light to be connected are aligned.



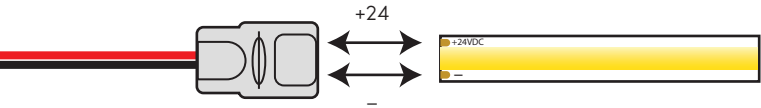
- Peel a small portion of the protective backing from the tape light on the end to be connected, then insert the tape light end into the Right Angle Connector.



- Close the snap connector and use pliers to ensure the connector “snaps” through the tape light.
- Repeat steps 2 and 3 for the remaining segment of tape light and the remaining snap connector on the right angle connector.

Connecting the tape light to the Two-Wire Heavy-Duty Connector (power feed)

- 1 Ensure polarity of the conductors on the connected piece of tape light and the polarity of the wires align.




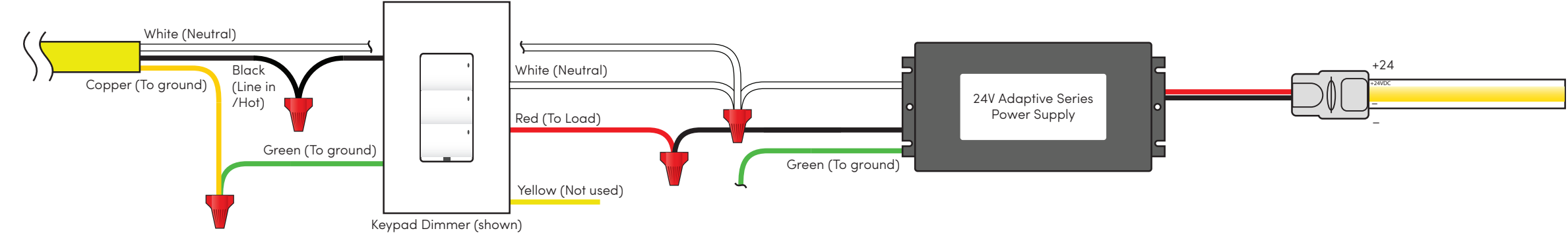
- 2 Peel a small portion of the protective backing from the tape light on the end to be connected, then insert cut tape light end into the Two-Wire Heavy-Duty Connector.
- 3 Close the connector onto the tape light. Using pliers, apply pressure on each side of the connector, not just in the middle. Ensure the teeth cut through the tape light and the connector closes completely.

Connection diagram

Two-wire tape lights may be controlled by many methods such as a dimmer or switch, a wired multi-channel system, or a wireless Zigbee power supply.

The diagram below illustrates a dimmer control scheme. For other control methods, refer to their respective install guides.

 **NOTE:** A dimmer or switch control scheme cannot be used in conjunction with a multi-channel control system.



Warranty and legal information

Find details of the product's Limited Warranty at snapone.com/legal or request a paper copy from Customer Service at 866.424.4489. Find other legal resources, such as regulatory notices and patent information, at snapone.com/legal.