FlowLite

Specification Sheet

FlowLine COB Free-Cut LED Tape Light



FlowLine COB Free-Cut is a chip-on-board LED tape light that can be cut at almost any point along its length, so runs end exactly where the design needs them, with no fixed cut marks. A continuous, dot-free 10mm line at 3.0 W/ft and 90 CRI. Avoid cutting through a resistor.

FEATURES & APPLICATIONS

- Free-cut: no fixed cut points
- Seamless, dot-free COB line of light
- Industry-leading 90 CRI (Color Rendering Index)
- 3.0 Watts per foot, 24V DC
- Exact-length runs, no gaps or overlaps
- Millwork, shelving and display cases
- Coves, reveals and accent lighting
- 3-year warranty

Performance

Color Temp	2700K	3000K	3500K	4000K	5000K
Watts/FT	3.0	3.0	3.0	3.0	3.0
Lumens/FT	222	244	260	268	268
Efficacy (Lm/W)	74	81	87	89	89
CRI	90	90	90	90	90

TECHNICAL INFORMATION

- **Power Consumption Per Foot:** 3.0 Watts
- **Input Voltage:** 24V DC
- **Light Source:** Chip-on-board (COB)
- **CRI (Color Rendering Index):** 90
- **Light Line:** Continuous, dot-free
- **Wiring:** 2 wires (V+, V-)
- **PCB Width:** 0.39 inches (10mm)
- **Beam Angle:** 135°
- **Field Cuttable:** Anywhere (avoid resistors)
- **Max Run Length:** 16.4 ft.
- **Dimmable:** Yes, with compatible driver
- **Board:** 3 oz copper flexible PCB
- **Mounting:** 3M™ Self-Adhesive Tape
- **Operating Temperature:** -13° F to 110° F
- **Spool Lengths:** 16.4 ft.
- **Environment:** Indoor, Dry (IP20)
- **Lead Wire:** 6 in. pre-wired
- **Heat Sink:** Aluminum channel required
- **Life:** 50,000 hours
- **Warranty:** 3 Year

ORDERING GUIDE

MODEL	CCT	ENVIRONMENT
FL-TCOB30F-24-		
	927 2700K	**DRY** (BLANK)
	930 3000K	
	935 3500K	
	940 4000K	
	950 5000K	

COMPATIBLE DRIVERS



FL-DU5
UNIVERSAL 5-IN-1 DIMMABLE DRIVER



FL-DPJ
PHASE-DIMMABLE J-BOX DRIVER



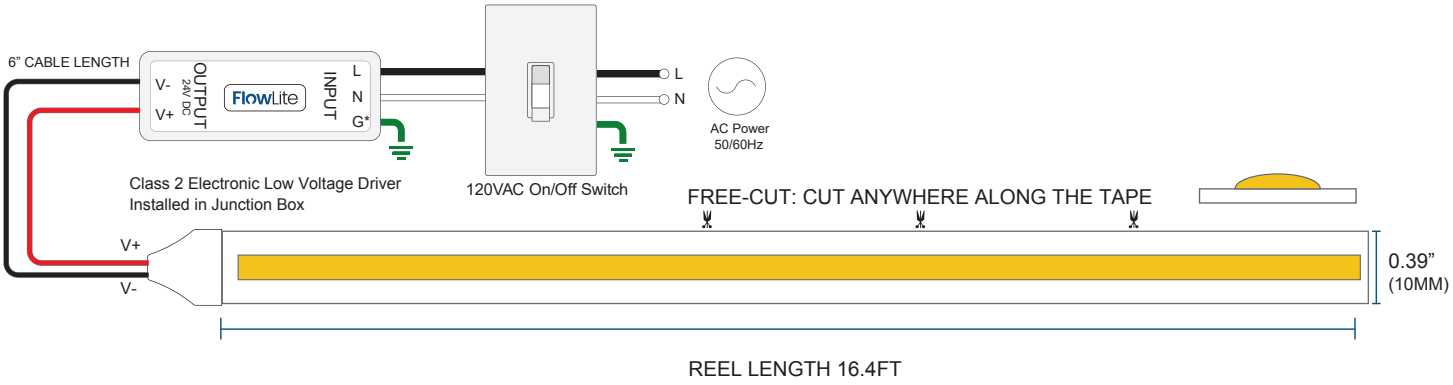
FL-DMC
MICRO DRIVER + DIMMER



FL-DSM
SMART WI-FI/BT MICRO DRIVER

DIMMABLE · IP20 · 24V · 90 CRI · 135° · 3 Yrs Warranty

DIAGRAM & DIMENSIONS



VOLTAGE DROP GUIDANCE CHART

24V Voltage Drop & Wire Length Distance Chart (3% Drop or 23.28V)

WIRE GAUGE	10 W .42 A	20 W .83 A	30 W 1.3 A	40 W 1.7 A	50 W 2.1 A	60 W 2.5 A	70 W 2.9 A	80 W 3.3 A	90 W 3.75 A	100 W 4.2 A
20 AWG	85 ft.	43 ft.	27 ft.	21 ft.	17 ft.	14 ft.	12 ft.	11 ft.	9 ft.	8 ft.
18 AWG	134 ft.	68 ft.	45 ft.	33 ft.	27 ft.	22 ft.	19 ft.	17 ft.	15 ft.	14 ft.
16 AWG	215 ft.	109 ft.	72 ft.	54 ft.	43 ft.	36 ft.	31 ft.	27 ft.	24 ft.	22 ft.
14 AWG	345 ft.	174 ft.	115 ft.	86 ft.	69 ft.	57 ft.	49 ft.	43 ft.	39 ft.	36 ft.
12 AWG	539 ft.	272 ft.	181 ft.	135 ft.	108 ft.	90 ft.	77 ft.	68 ft.	61 ft.	56 ft.
10 AWG	784 ft.	397 ft.	263 ft.	197 ft.	158 ft.	131 ft.	112 ft.	98 ft.	97 ft.	82 ft.

Note: These tables provide general guidelines for determining Wire Gauge based on total load and distance from LED driver to beginning of luminaire.

SAFETY, WARNINGS, AND DISCLOSURES

Install in accordance with national and local electrical code regulations.

This product to be powered with ELECTRONIC DRIVER ONLY

This product is intended to be installed and serviced by a qualified, licensed electrician.

Only use copper wiring. Use wires rated for at least 176°F 80°C and certified for use with external connection of electrical equipment.

Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.

Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.

Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.