FlowLite

Specification Sheet

FlowLine COB Flex 2.4 LED Tape Light



FlowLine COB Flex 2.4 is a horizontally bendable COB LED tape light. It bends 4.17° per inch in the plane of the tape, down to a 27.5" diameter, with 230 to 275 lumens per foot at 2.4 W/ft on an 8mm board, 90 CRI, field cuttable every 0.39".

FEATURES & APPLICATIONS

- Bends horizontally, 4.17° per inch
- 27.5 inch minimum horizontal diameter
- 2700K, 3000K, 3500K, 4100K, 5000K
- 90 CRI (Color Rendering Index)
- 120° beam angle
- Field cuttable at every 0.39 inch
- UL Listed
- 3-year warranty

Performance

Color Temp	2700K	3000K	3500K	4100K	5000K
Watts/FT	2.4	2.4	2.4	2.4	2.4
Lumens/FT	230	245	260	275	270
Efficacy (Lm/W)	96	102	108	115	113
CRI	90	90	90	90	90

TECHNICAL INFORMATION

- **Power Consumption Per Foot:** 2.4 Watts (8 W/m)
- **Input Voltage:** 24V DC
- **Light Source:** COB
- **CRI (Color Rendering Index):** 90
- **Output:** 230–275 lm/ft (750–900 lm/m)
- **Wiring:** 2 wires (V+, V-)
- **PCB Width:** 0.31 inches (8mm)
- **Beam Angle:** 120°
- **Field Cuttable:** Every 0.39 inch
- **Max Run Length:** 32 ft.
- **Dimmable:** Yes
- **Flexure:** Horizontal, 4.17° per inch
- **Min. Diameter:** 27.5 inches (horizontal)
- **Height:** 1.55mm
- **Mounting:** 3M 9495 300MP adhesive
- **Spool Lengths:** 16.4 ft. (5 m)
- **Environment:** Indoor, Dry (IP20)
- **Lead Wire:** Pre-soldered
- **Listing:** UL Listed
- **Warranty:** 3 Year

ORDERING GUIDE

MODEL	CCT	ENVIRONMENT	LENGTH
FL-TCOBFX-24-			
	927 2700K	**DRY** (BLANK)	**16.4FT** (BLANK)
	930 3000K		
	935 3500K		
	941 4100K		
	950 5000K		

COMPATIBLE DRIVERS



FL-DU5
UNIVERSAL 5-IN-1 DIMMABLE DRIVER



FL-DPJ
PHASE-DIMMABLE J-BOX DRIVER



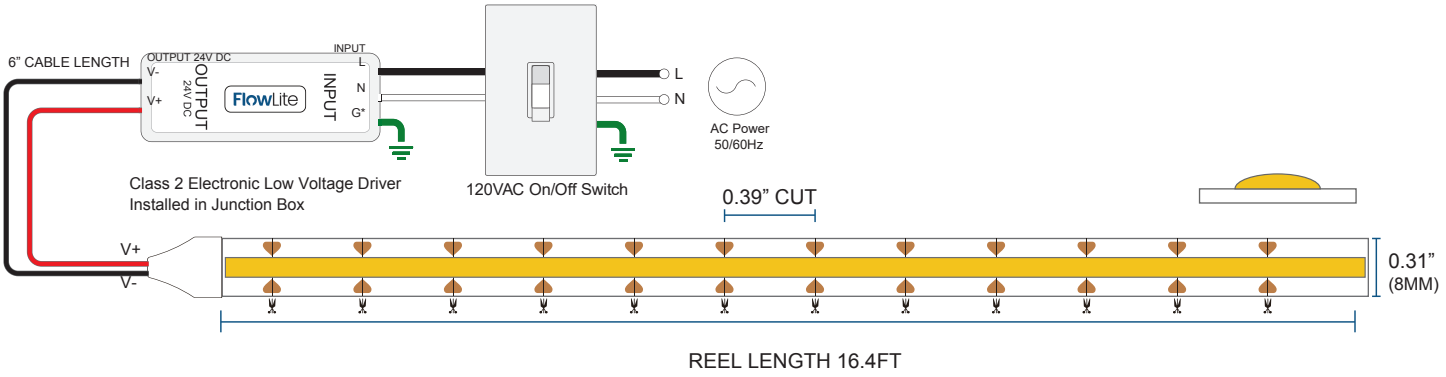
FL-DMC
MICRO DRIVER + DIMMER



FL-DSM
SMART WI-FI/BT MICRO DRIVER

DIMMABLE · IP20 · 24V · 90 CRI · 120° · 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.