

Specification Sheet: LED Flex-Lite

The Energy Efficient LED Solution

For accent lighting and various signage applications, Revolution Lighting's Flex-Lite offers an innovative and versatile LED alternative to neon. Flex-Lite encases white-light or primary-color LEDs inside a long, flexible strip of weatherproof silicone, creating an ingenious and resilient approach to indoor or outdoor accent lighting. A broad selection of mounting, splicing, and connection accessories helps to accommodate an endless variety of lighting designs.

Flex-Lite comes in four primary colors (red, green, blue, and yellow) and four white-light color temperatures (2700K, 3000K, 4000K, and 6500K).

This product is backed by our industry-leading 5-year warranty. Contact your Revolution Lighting representative for pricing and more information.

APPLICATIONS

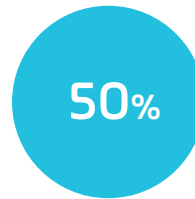
- Signage (not UL 48)
- Accent Lighting
- Cove Lighting
- Restaurants
- Theaters
- Museums
- Retail Framing

BEAM ANGLE



Revolution Lighting Light Distribution

CAN DECREASE ENERGY USAGE BY



vs. Similar Fluorescent Lamps

WARRANTY



Our Industry-Leading 5-Year Limited Warranty Guarantees Unsurpassed Quality

PRODUCT BENEFITS

OPERATIONAL

- 3X greater lamp life than fluorescent
- 50,000-hour lamp life reduces long-term maintenance costs
- Instant on, no warm-up time
- Versatile slide-in mounting arrangement for fast, simple installation
- Versatile selection of available accessories
- Four primary colors to choose from
- Four white-light color-temperature options

SAFETY

- No glass
- Negligible light depreciation over time
- Superior light output
- Weatherproof silicone-encapsulated design
- IP68

SUSTAINABILITY

- Lack of UV minimizes concerns with fading or discoloration
- Mercury-free, allowing for non-hazardous disposal
- 100% recyclable



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TECHNICAL DATA (Subject to change.)

Product SKU No.	Color Temp (K)	Input Voltage (VAC)	Power (W/ft)	Flux (lm/ft)	Rated Life (Hours)	Operating Temp. (°F)	Beam Angle (°)
3-m (9.8 ft)							
White Light							
520120-110	2700	24	2.93	137-192	50,000	-13 to 140	150
520120-111	3000	24	2.93	137-192	50,000	-13 to 140	150
520120-113	4000	24	2.93	137-192	50,000	-13 to 140	150
520120-118	6500	24	2.93	137-192	50,000	-13 to 140	150
Red (620-625 nm)							
522120-11A	Red	24	2.93	76-98	50,000	-13 to 140	150
Green (520-525 nm)							
522120-11B	Green	24	2.93	119-134	50,000	-13 to 140	150
Blue (465-470 nm)							
522120-11C	Blue	24	2.93	26-30	50,000	-13 to 140	150
Yellow (585-590 nm)							
522120-11D	Yellow	24	2.93	98-146	50,000	-13 to 140	150
9-m (29.5 ft)							
White Light							
520420-110	2700	24	2.93	137-192	50,000	-13 to 140	150
520420-111	3000	24	2.93	137-192	50,000	-13 to 140	150
520420-113	4000	24	2.93	137-192	50,000	-13 to 140	150
520420-118	6500	24	2.93	137-192	50,000	-13 to 140	150
Red (620-625 nm)							
522420-11A	Red	24	2.93	76-98	50,000	-13 to 140	150
Green (520-525 nm)							
522420-11B	Green	24	2.93	119-134	50,000	-13 to 140	150
Blue (465-470 nm)							
522420-11C	Blue	24	2.93	26-30	50,000	-13 to 140	150
Yellow (585-590 nm)							
522120-11D	Yellow	24	2.93	98-146	50,000	-13 to 140	150
15-m (49.2 ft)							
White Light							
520220-110	2700	24	2.93	137-192	50,000	-13 to 140	150
520220-111	3000	24	2.93	137-192	50,000	-13 to 140	150
520220-113	4000	24	2.93	137-192	50,000	-13 to 140	150
520220-118	6500	24	2.93	137-192	50,000	-13 to 140	150
Red (620-625 nm)							
522220-11A	Red	24	2.93	76-98	50,000	-13 to 140	150
Green (520-525 nm)							
522220-11B	Green	24	2.93	119-134	50,000	-13 to 140	150
Blue (465-470 nm)							
522220-11C	Blue	24	2.93	26-30	50,000	-13 to 140	150
Yellow (585-590 nm)							
522220-11D	Yellow	24	2.93	98-146	50,000	-13 to 140	150

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POWER-SUPPLY TECHNICAL DATA (Subject to change.)

Product SKU No.	Output Wattage @120VAC Input	Maximum Flex-Light Run (ft) @ 120VAC Input	Input Voltage (VAC)	Output Voltage (VDC)	IP	Warranty (Years)	Dimensions (in.)
52000P-100	60	16	120-277	24	IP67	5	7L x 2.5W x 1.4H
52000P-101	70	20	120-277	24	IP67	5	7.8L x 2.5W x 1.4H
52000P-102	105	30	120-277	24	IP67	5	8.6L x 2.5W x 1.4H
52000P-103	180	50	120-277	24	IP67	5	9.6L x 2.8W x 1.5H

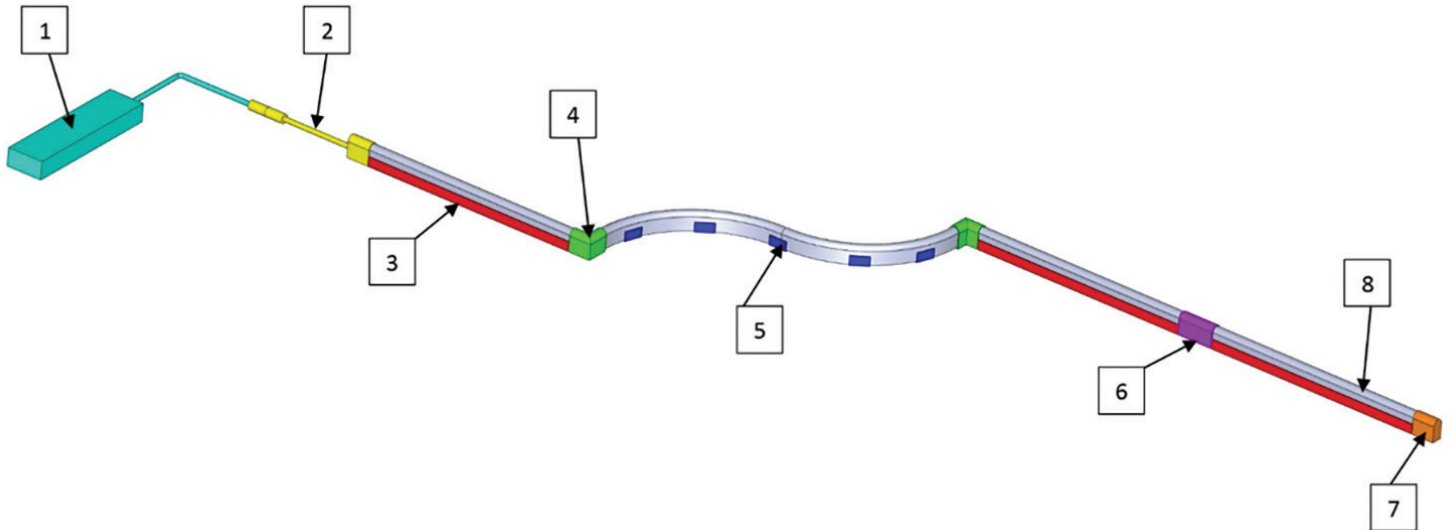
ORDERING GUIDE









Before ordering your LED Flex-Lite lighting system from Revolution Lighting, use the following checklist to help determine everything you need:

- ✓ **Create a detailed drawing** of your lighting installation. Make the drawing to scale for best results. (See example drawing below.)
- ✓ **Measure all of the lengths** along straight and curved paths to find the total length of LED Flex-Lite needed.
- ✓ **Determine the number and wattage of power supply units (PSUs)** using the following formula: $W = (2.93 \text{ W/ft} \times L)/0.8$. For example, 25 ft of LED Flex-Lite would need one PSU with a wattage of at least $(2.93 \times 25)/0.8 = 91.6\text{W}$.
- ✓ **Establish the number and type of accessories needed** using your detailed drawing. Accessories can include: Mounting Channels (short & long, self-locking & standard), Linear Splices, Elbow Splices, End Caps, and Power Cord Connectors. (Note: Each Power Supply Unit includes a 52000C-10A Quick-Connect Power Cord.)
- ✓ **Order all system components.** For example:
 - 75 ft of red LED Flex-Lite
 - 50 ft (SKU: 522220-11A)
 - 30 ft (SKU: 522420-11A)
 - 1 Power Supply Unit, 180W (SKU: 52000P-103)
 - 1 Power Supply Unit, 105W (SKU: 52000P-102)
 - 5 Mounting Channels, Short (SKU: 52000M-101)
 - 3 Mounting Channels, Long (SKU: 52000M-102)
 - 2 Elbow Splices (SKU: 52000C-102)
 - 1 Linear Splice (SKU: 52000C-101)
 - 1 End Cap (SKU: 52000C-10D)

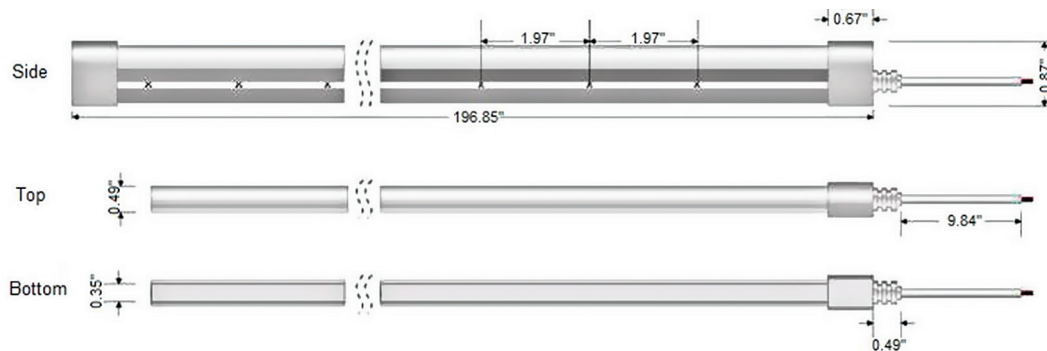
Specification Sheet: LED Flex-Lite

FLEX-LITE INSTALLATION EXAMPLE



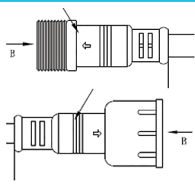


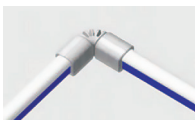
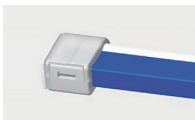

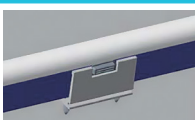

Color	#	Qty. Used in Example	Parts Description	SKUs
	1	1	Flex-Lite 24V Constant-Voltage Power Supply	52000P-100, -101, -102, -103
	2	1	Flex-Lite Quick-Connect Power Cord and Start Splice	52000C-10A
	3	3	Flex-Lite Mounting Channel, Long	52000M-102, -103, -104
	4	2	Flex-Lite Elbow Splice, Solder-Free	52000C-102
	5	5	Flex-Lite Mounting Channel, Short	52000M-101
	6	1	Flex-Lite Linear Splice, Solder-Free	52000C-101
	7	1	Flex-Lite End Cap, Solder-Free	52000C-10D
	8	N/A	Flex-Lite Accent and Signage LED Lighting Strip	Various

DIMENSIONAL DRAWING



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ACCESSORIES

Product Image	Product SKU No.	Product Description
Power-Supply Connector with Male/Female Quick-Connects		
	52000C-10A	Quick-Connect Power Cord with male/female connector and solder-free start splice for attaching Flex-Lite to power supply
Power-Supply Connector		
	52000C-10E	Power-Cord Connector with solder-free start splice for attaching Flex-Lite to power supply
Linear Splice		
	52000C-101	Crocodile-Style Linear Splice for splicing Flex-Lite lengths together
Elbow Splice		
	52000C-102	Elbow Splice for connecting two Flex-Lite lengths at 90°
End Cap		
	52000C-10D	End-Cap Fitting for solder-free sealing and termination of Flex-Lite run
Silicone Glue		
	52000S-100	Clear Silicone Glue for sealing various Flex-Lite connections (Revolution Lighting SKU 52000S-100 or Dow 9186)
Mounting Channel, Short		
	52000M-101	1.4" L aluminum channel for mounting Flex-Lite runs (mounting screws included)
Mounting Channel, Long		
	52000M-102	39.4" L plain extruded aluminum channel for mounting Flex-Lite runs
	52000M-103	39.4" L self-locking (3 places) extruded aluminum channel for mounting Flex-Lite runs (mounting screws included)
	52000M-104	39.4" L self-locking (5 places) extruded aluminum channel for mounting Flex-Lite runs (mounting screws included)