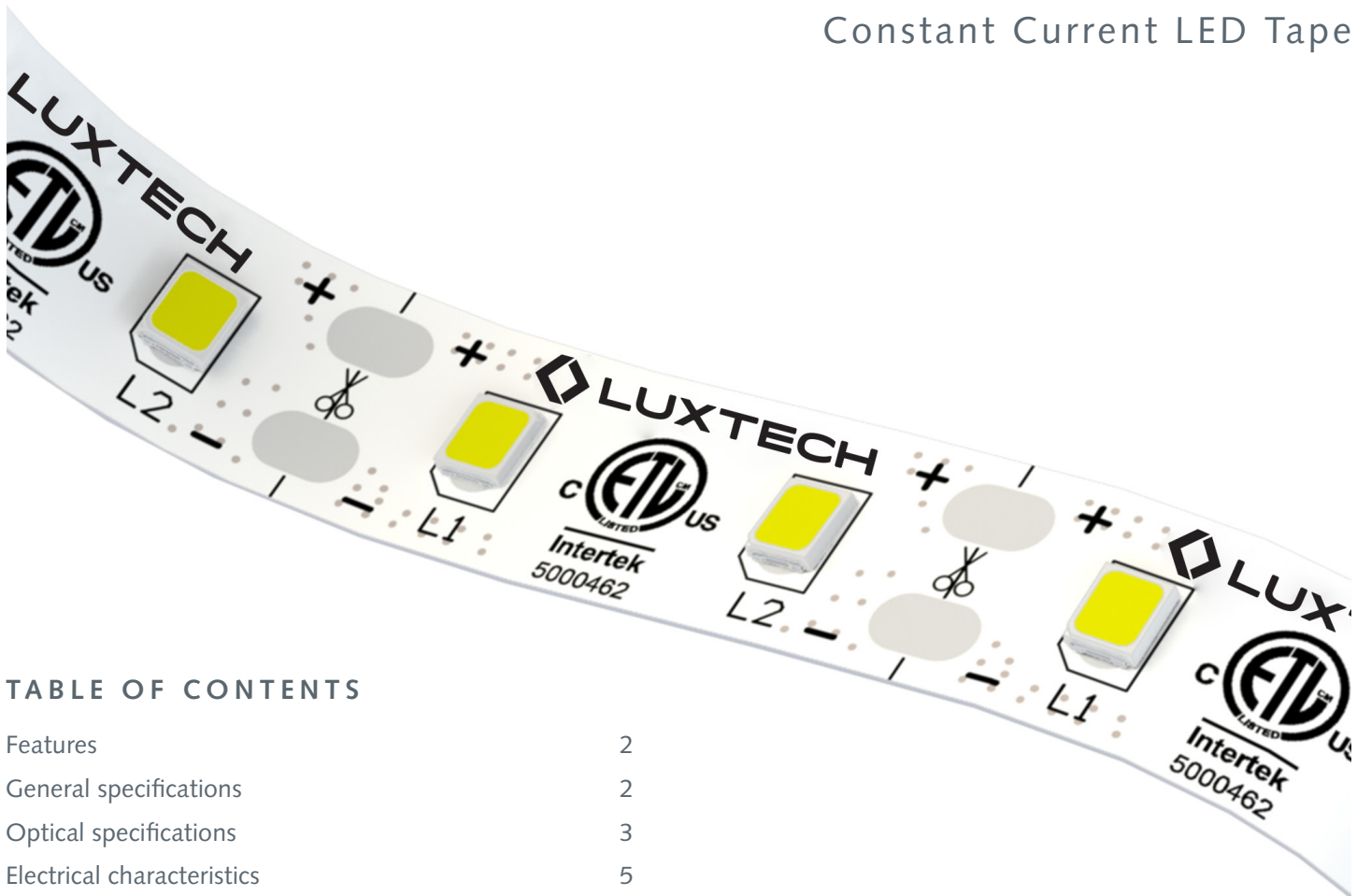


# FLEX CC

Constant Current LED Tape



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Project ||

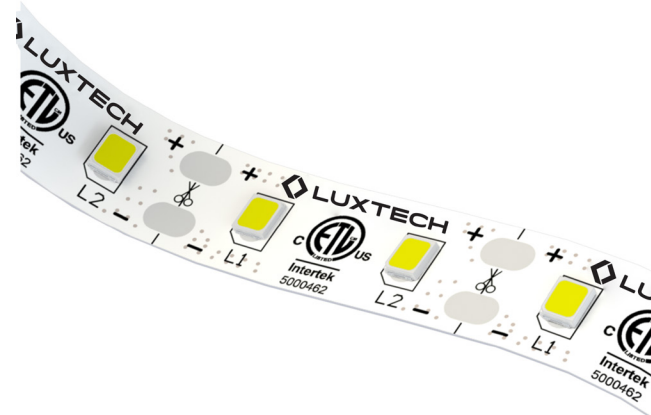
Type ||

Quantity ||

## FLEX CC

Constant Current LED Tape

LUXTECH FLEX CC bends and curves to fit your application need. Cuttable every inch, this high-performance, specification-grade LED tape provides FLEX-ability in luminaire design and assembly. FLEX CC works with familiar constant current drivers.



### FEATURES

- » 5-Year Warranty
- » Flexible LED Strip
- » Cuttable Every Inch
- » Low Profile 0.39" (10mm) Width
- » LM-80 Tested LEDs by Samsung
- » Nominal Efficacy: 132 lm/W
- » Dimmable With Compatible Constant Current Drivers
- » Specification-Grade 3M VHB Adhesive
- » 3-Step MacAdam Binning

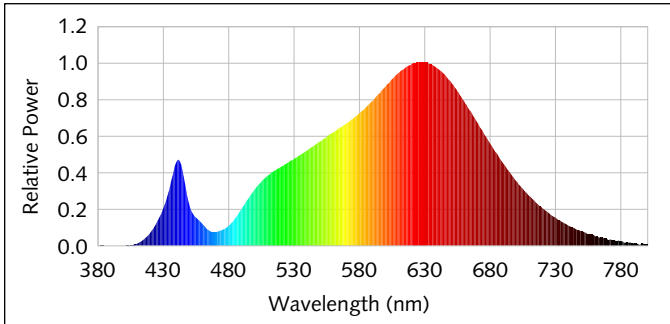
### GENERAL SPECIFICATIONS

- » Forward Voltage: 35V, +/- 4V
- » Max Output: 2400 lm/ft (3000K 80 CRI White LEDs)
- » LED Pitch: 0.5"
- » Minimum Bend Radius: 0.50"
- » L70 > 60,000 Hrs for Ts = 55°C, 40mA Per Section
- » L70 = 49,000 Hrs for Ts = 85°C, 40mA Per Section
- » 1+1 oz Copper
- » Beam Angle: 120°
- » Max Recommended Run Length: 8'
- » Reel Length: 16.4' (5m)

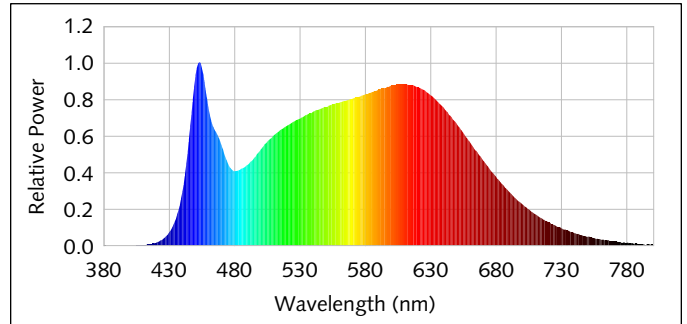
# OPTICAL SPECIFICATIONS

## SPECTRAL POWER DISTRIBUTION, WHITE

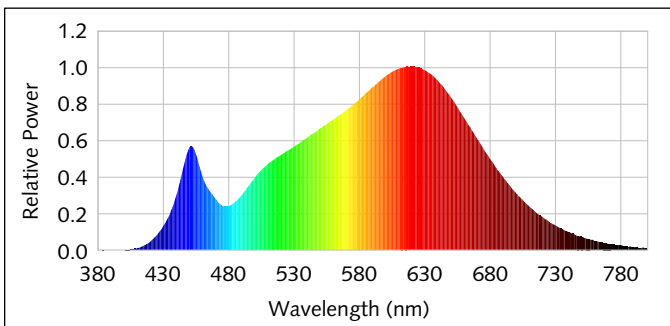
**2700K 3-STEP**



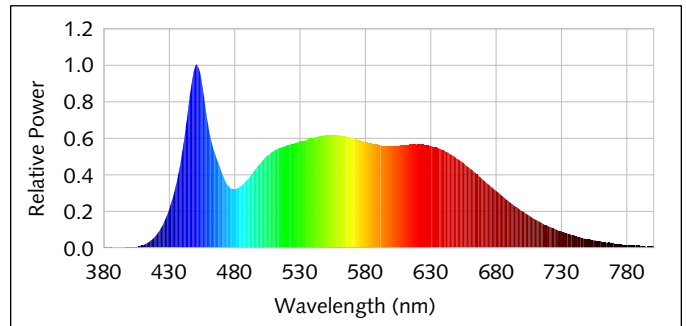
**4000K 3-STEP**



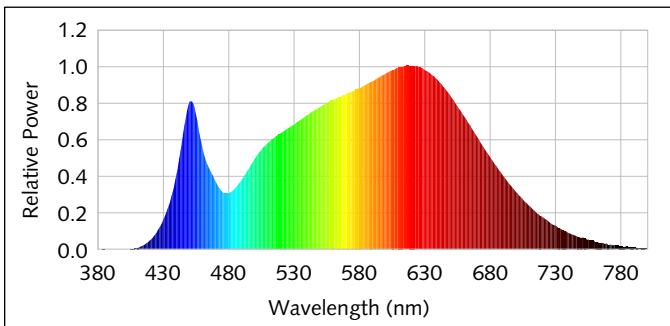
**3000K 3-STEP**



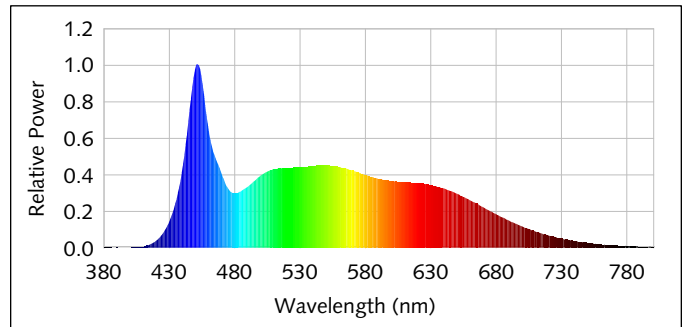
**5000K 3-STEP**



**3500K 3-STEP**



**6500K 3-STEP**



Project ||

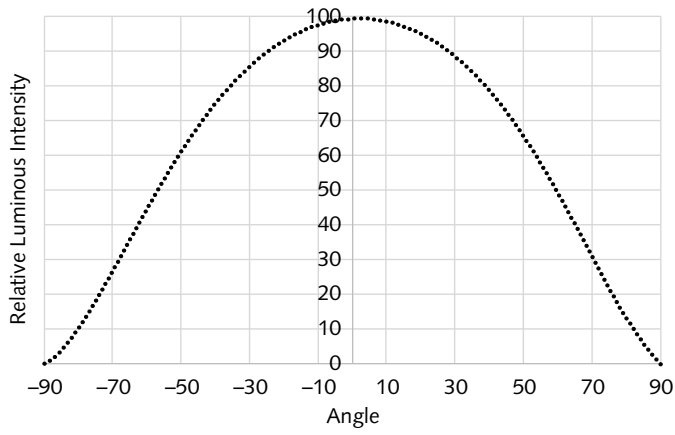
Type ||

Quantity ||

# OPTICAL SPECIFICATIONS

## BEAM ANGLE

WHITE



Project ||

Type ||

Quantity ||

## ELECTRICAL CHARACTERISTICS

Assuming 35K 90 CRI

2 FEET					
Current (mA)	100	300	600	840	1080
Voltage (V)	31.4	32.34	33.62	34.56	35.44
Flux (lm)	275	770	1420	1880	2310

4 FEET					
Current (mA)	200	600	1200	1680	2160
Voltage (V)	31.4	32.34	33.62	34.56	35.44
Flux (lm)	275	770	1420	1880	2310

8 FEET					
Current (mA)	400	1200	2400	3360	4320
Voltage (V)	31.4	32.34	33.62	34.56	35.44
Flux (lm)	275	770	1420	1880	2310

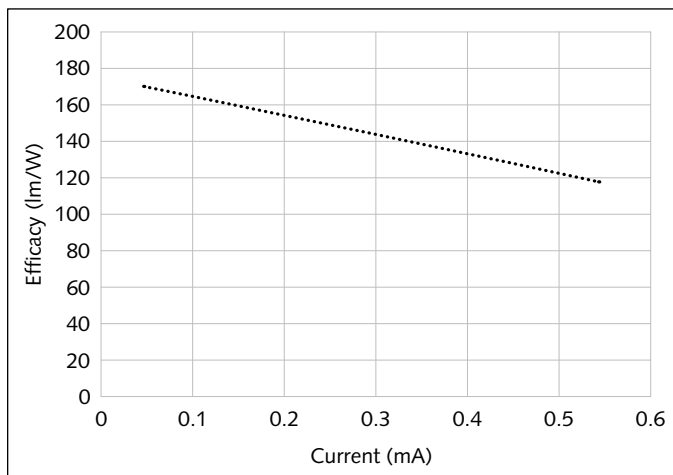
## INSTRUCTIONS

Determine the drive current for your application:

1. Start with the target length and lumens/ft to determine the nominal drive current.
2. Multiply by the de-rating factor for the target color temperature.
3. Multiply by the re-rating factor for the expected case temperature.
4. Pick a driver that is compatible with the calculated drive current and compliance voltage range.

## EFFICACY VS. CURRENT

WHITE



Project ||

Type ||

Quantity ||

## ABSOLUTE MAXIMUM RATINGS

**WHITE**

<b>Current (mA)</b>	540
<b>Voltage (V)</b>	39
<b>Flux (lm)</b>	2400
<b>Temperature (°C)</b>	85

Project ||

Type ||

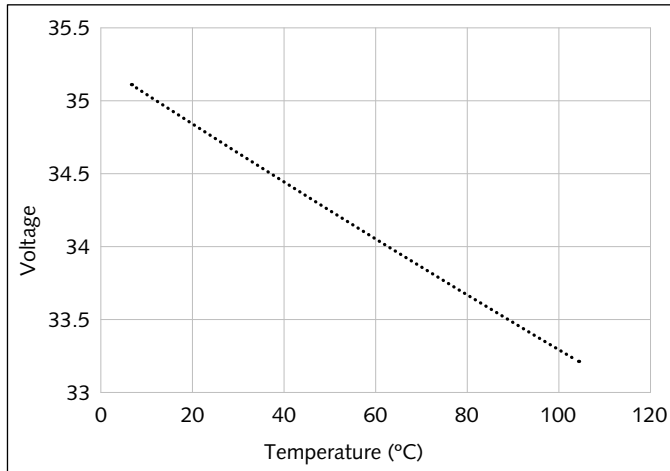
Quantity ||

## DERATING

COLOR TEMPERATURE	LIGHT OUTPUT
2700K	97%
3000K	100%
3500K	106%
4000K	111%
5000K	111%
6000K	107%

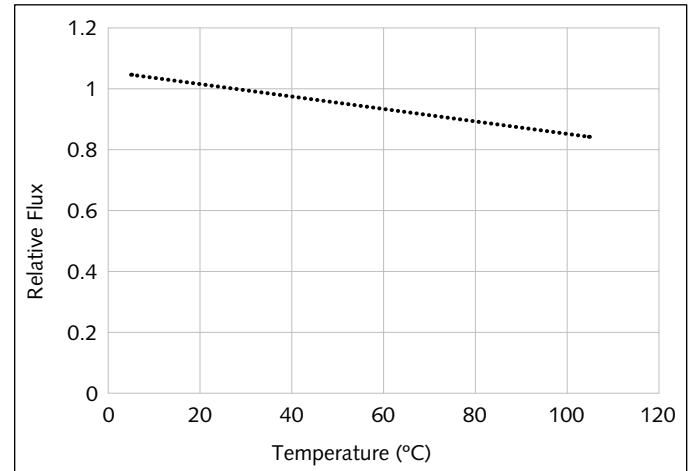
### VOLTAGE VS. TEMPERATURE

WHITE



### FLUX VS. TEMPERATURE

WHITE



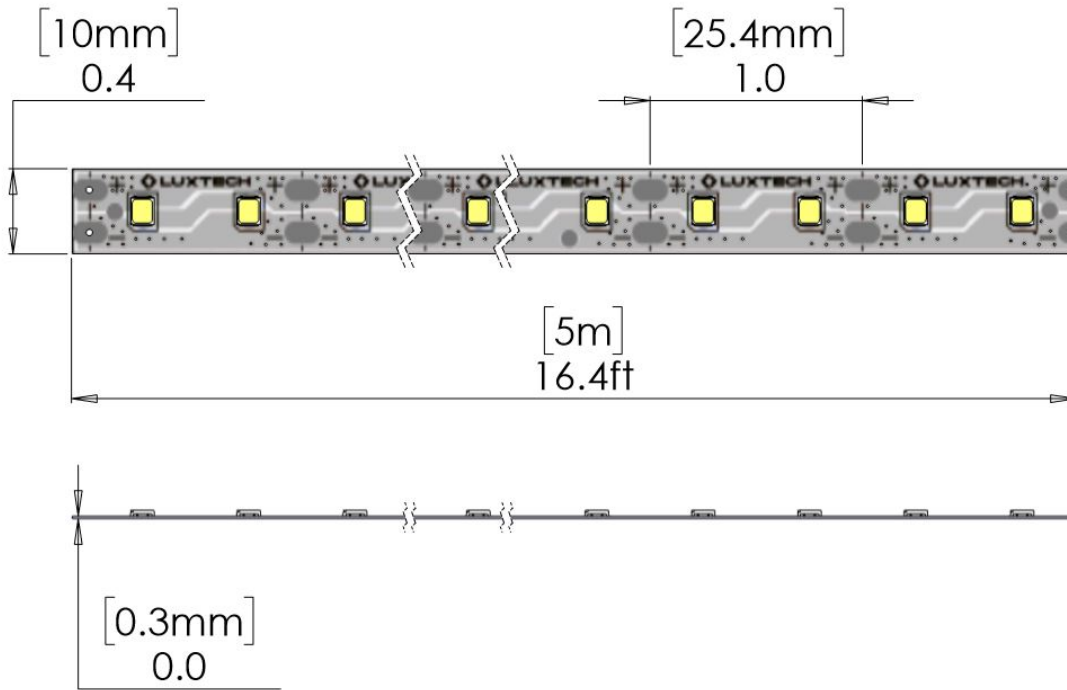
Project ||

Type ||

Quantity ||

## MECHANICAL CHARACTERISTICS

### TECHNICAL DRAWING



Units: Inches

### PRODUCT DIMENSIONS

PARAMETER	SPECIFICATION (IN)
Width	0.39
Thickness	0.118



*Project* ||

*Type* ||

*Quantity* ||

## ACCESSORIES AND DESIGN RESOURCES

### DRIVER SELECTION

BRAND	MODEL	PROGRAMMABLE DRIVE CURRENT (MA)	OUTPUT VOLTAGE (V)	DIMMING
<b>AC Electronics</b>	AC-50CD1.4APC7	400-1400	15-55	0-10V
<b>EldoLED</b>	SOLOdrive 566/U (A/S/L)	150-1400	1.5-55	0-10V
<b>Philips</b>	Xitanium XR025C100V036XPM1	300-1000	18-36	0-10V
<b>Roal</b>	RSOZ070-60-Full	350-2100	30-56	0-10V
<b>Thomas Research Products</b>	LED55WPG1-055-C1500-D2	100-1500	12-55	0-10V

Design resources: Calculator and CAD files available at [LUXTECH.com](http://LUXTECH.com)

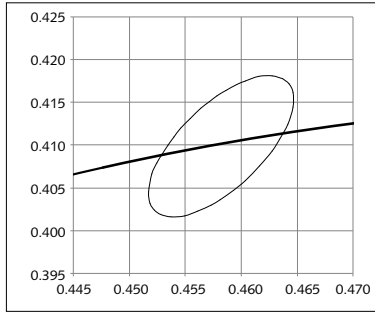
Project ||

Type ||

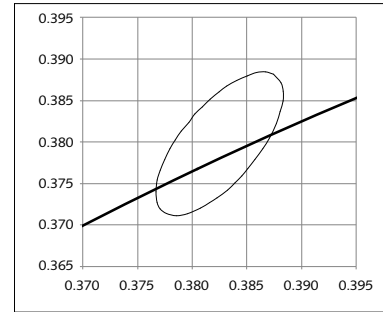
Quantity ||

## COLOR BINNING INFORMATION

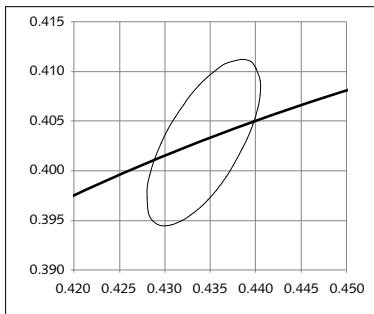
**2700K 3-STEP**



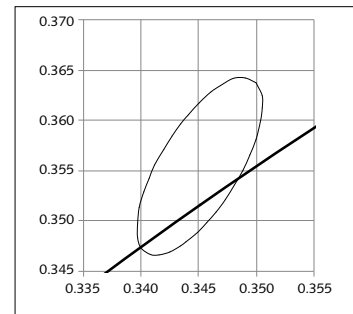
**4000K 3-STEP**



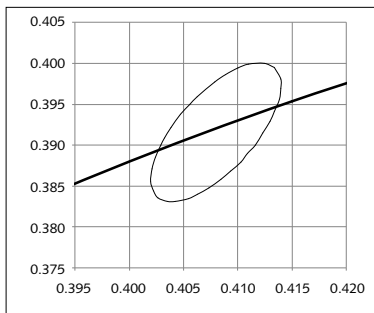
**3000K 3-STEP**



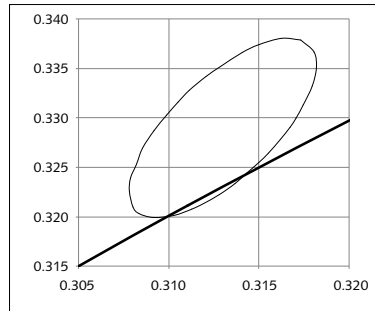
**5000K 3-STEP**



**3500K 3-STEP**



**6500K 3-STEP**



Project ||

Type ||

Quantity ||

## ORDERING INFORMATION

### PRODUCT CODES

PRODUCT	COLOR TEMP	CRI
FX-CC-10	27K	80
	30K	90
	35K	
	40K	
	50K	

**EXAMPLE:** FX-CC-10-40K-80  
ORDER IN INCREMENTS OF 16.4'

### ACCESSORY CODES

PRODUCT	ACCESSORY	DESCRIPTION
FX-CN-10	WB	Wire-to-Board Connector, 5.9" (15cm)
	WB-N	Wire-to-Board Connector, No wire
	BB-W	Board-to-Board Connector, 5.9" (15cm)
	BB-N	Board-to-Board Connector, No Wire

**EXAMPLE:** FX-CN-10-WB

REV. 1.4



*People Centric Lighting*

## ABOUT LUXTECH

LUXTECH is an LED component design and manufacturing company specializing in high quality LED modules and architectural grade lighting solutions. LUXTECH is a catalyst for health and well-being through human centric lighting systems. Our inventive custom engineering for natural lighting is advancing emotional wellness and productivity with the potential for global social impact. LUXTECH is located in Philadelphia's Old City neighborhood.

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