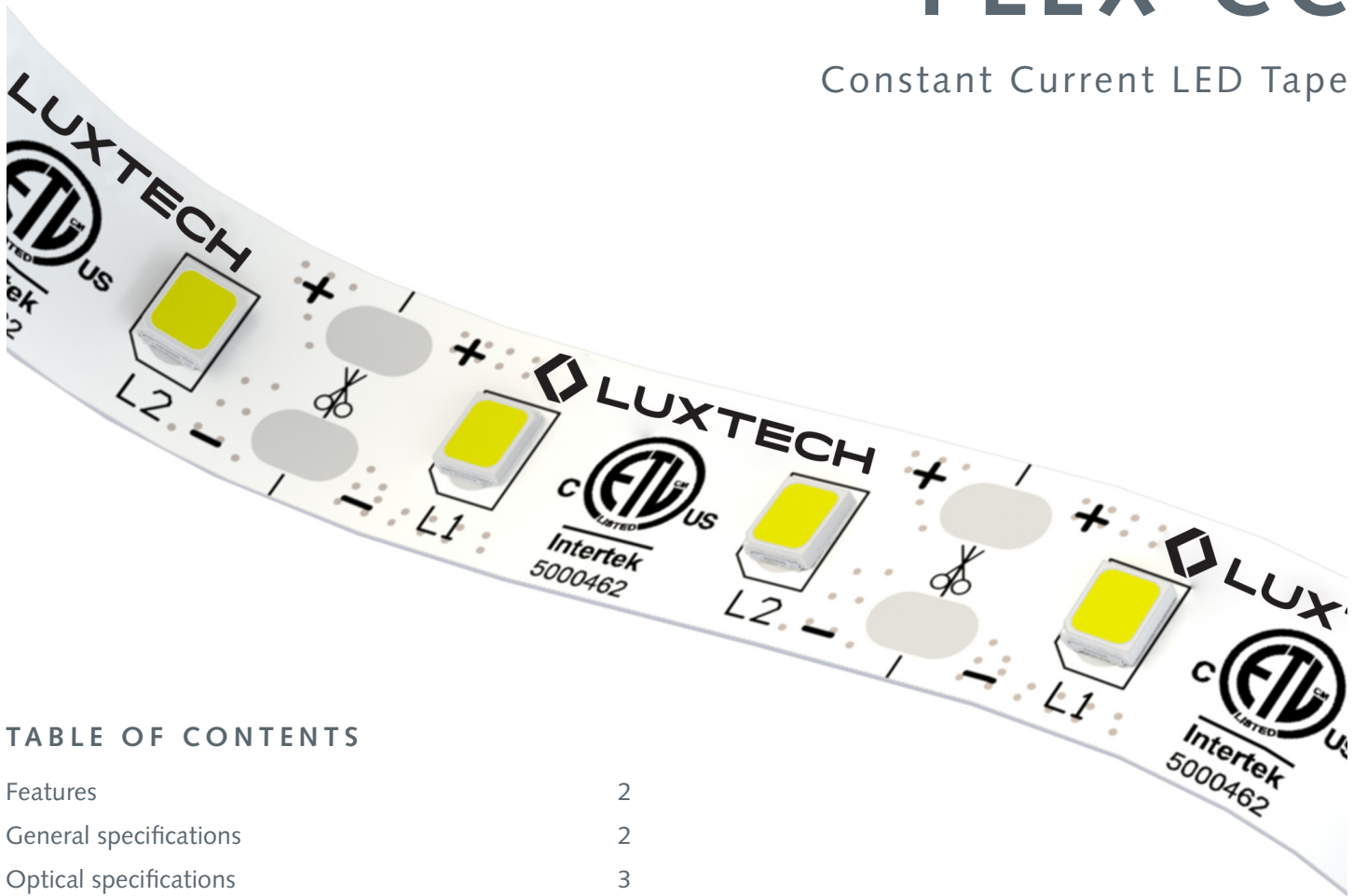


# FLEX CC

Constant Current LED Tape



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Project ||

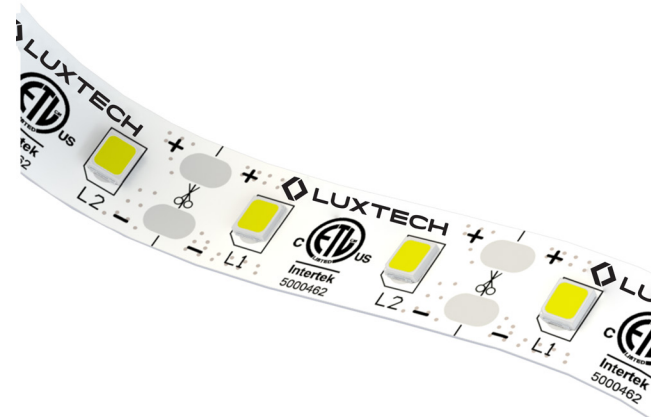
Type ||

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 Cree
- » Dimmable With Compatible Constant Current Drivers
- » 3-Step MacAdam Binning
- » Specification-Grade 3M 300LSE Adhesive Backing

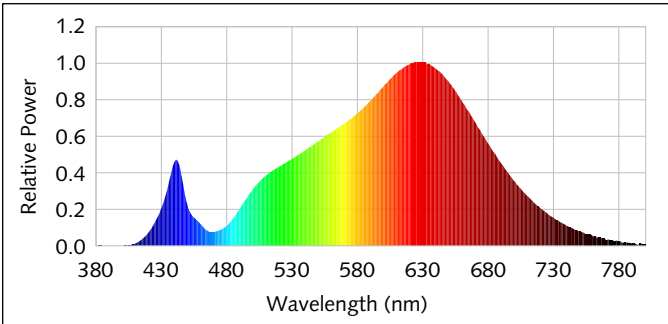
### GENERAL SPECIFICATIONS

- » Forward Voltage: 35V, +/- 4V
- » Max Output: 3360 lm/ft (30K 80 CRI White LEDs)
- » Nominal Efficacy: 160 lm/W (30K 80CRI, 770 lm/ft)
- » LED Pitch: 0.5"
- » Minimum Bend Radius: 0.50"
- » L70 > 72,000 hrs at 105 °C, 60mA per segment
- » 1+2 oz Copper
- » Beam Angle: 120°
- » Max Recommended Run Length: 8'
- » Reel Length: 16.4' (5m)

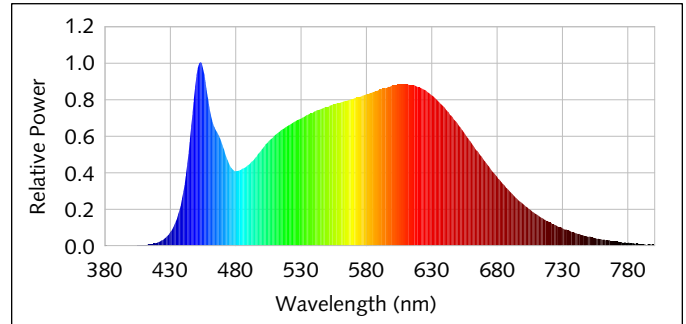
# OPTICAL SPECIFICATIONS

## SPECTRAL POWER DISTRIBUTION, WHITE

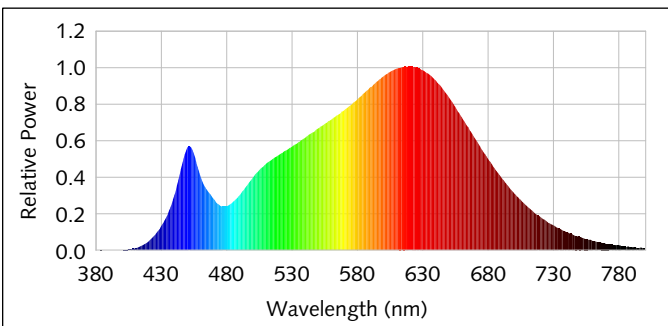
**2700K 3-STEP**



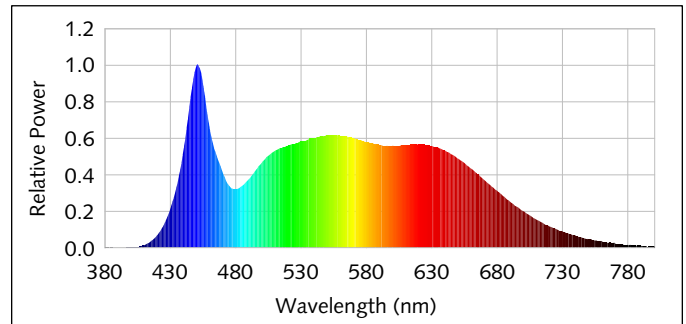
**4000K 3-STEP**



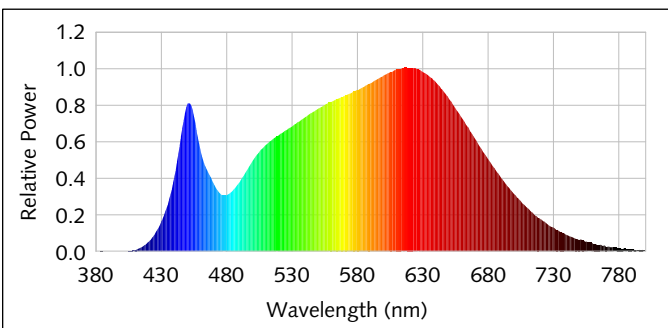
**3000K 3-STEP**



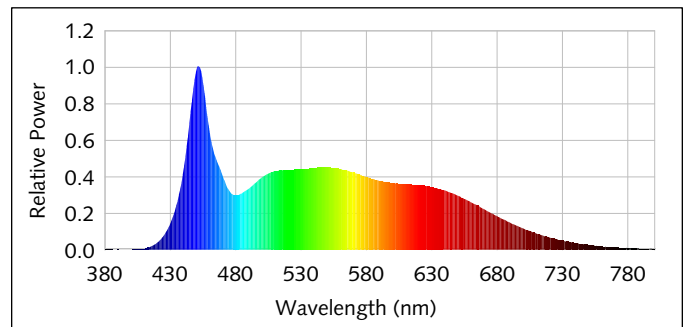
**5000K 3-STEP**



**3500K 3-STEP**



**6500K 3-STEP**



Project ||

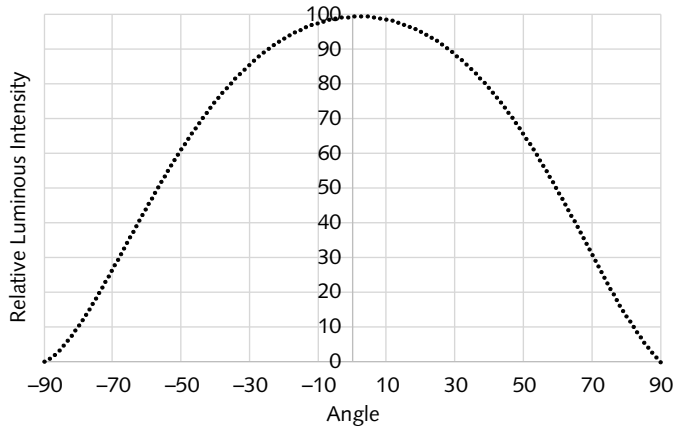
Type ||

Quantity ||

# OPTICAL SPECIFICATIONS

## BEAM ANGLE

WHITE



Project ||

Type ||

Quantity ||

## ELECTRICAL CHARACTERISTICS

Assuming 30K, 80CRI, 25°C

1 INCH					
Current (mA)	10	20	30	45	60
Voltage (V)	32.6	33.6	34.7	35.7	36.8
Flux (lm/segment)	57	110	158	222	280

1 FOOT					
Current (mA/ft)	120	240	360	540	720
Voltage (V)	32.6	33.6	34.7	35.7	36.8
Flux (lm/ft)	689	1322	1901	2664	3360

4 FEET					
Current (mA)	480	960	1440	2160	2880
Voltage (V)	32.6	33.6	34.7	35.7	36.8
Flux (lm)	2755	5290	7603	10656	13440

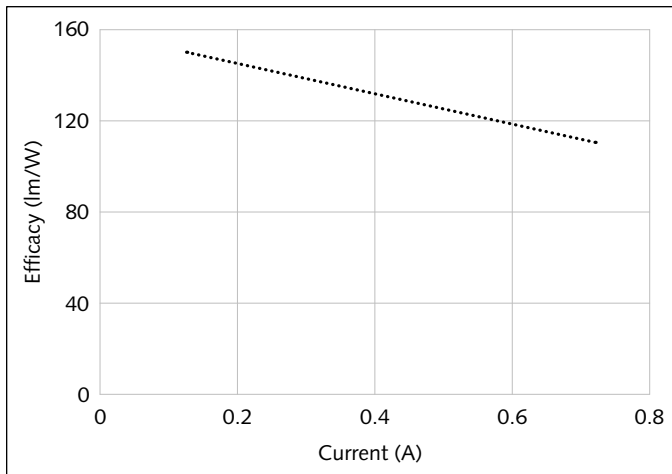
8 FEET					
Current (mA)	960	1920	2880	4320	5760
Voltage (V)	32.6	33.6	34.7	35.7	36.8
Flux (lm)	5510	10579	15206	21312	26880

## INSTRUCTIONS

Multiply the length of your run of FLEX in inches by the desired flux and current to find the total values needed for your fixture.

## EFFICACY VS. CURRENT

WHITE



Project ||

Type ||

Quantity ||

## ABSOLUTE MAXIMUM RATINGS

### WHITE

Current (mA/ft)	600
Voltage (V)	40
Flux (lm/ft)	3700
Temperature (°C)	85

### COMPONENTS

Max Recommended Run Length (ft)	8
---------------------------------	---

Project ||

Type ||

Quantity ||

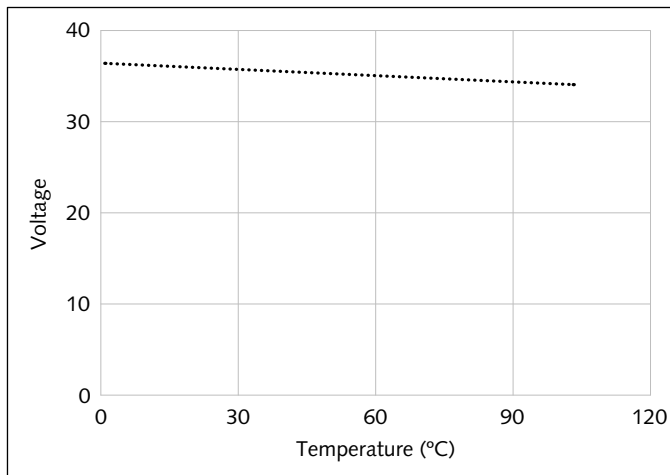
## DERATING

COLOR TEMPERATURE	LIGHT OUTPUT
2700K	96%
3000K	100%
3500K	103%
4000K	106%
5000K	106%
6500K	106%

CRI	LIGHT OUTPUT
80CRI	100%
90CRI	85%

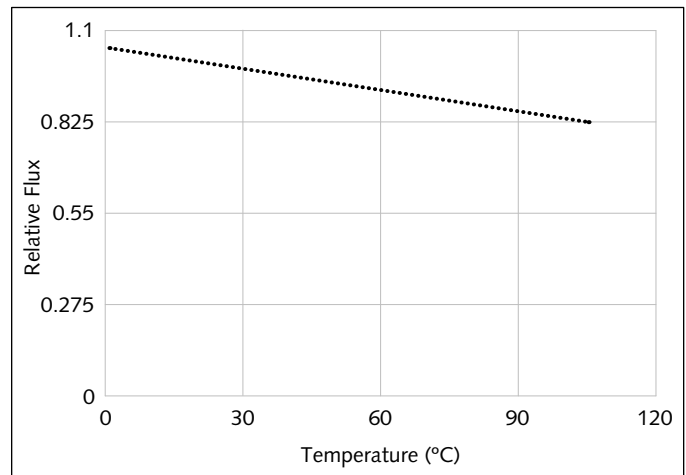
## VOLTAGE VS. TEMPERATURE

WHITE



## FLUX VS. TEMPERATURE

WHITE



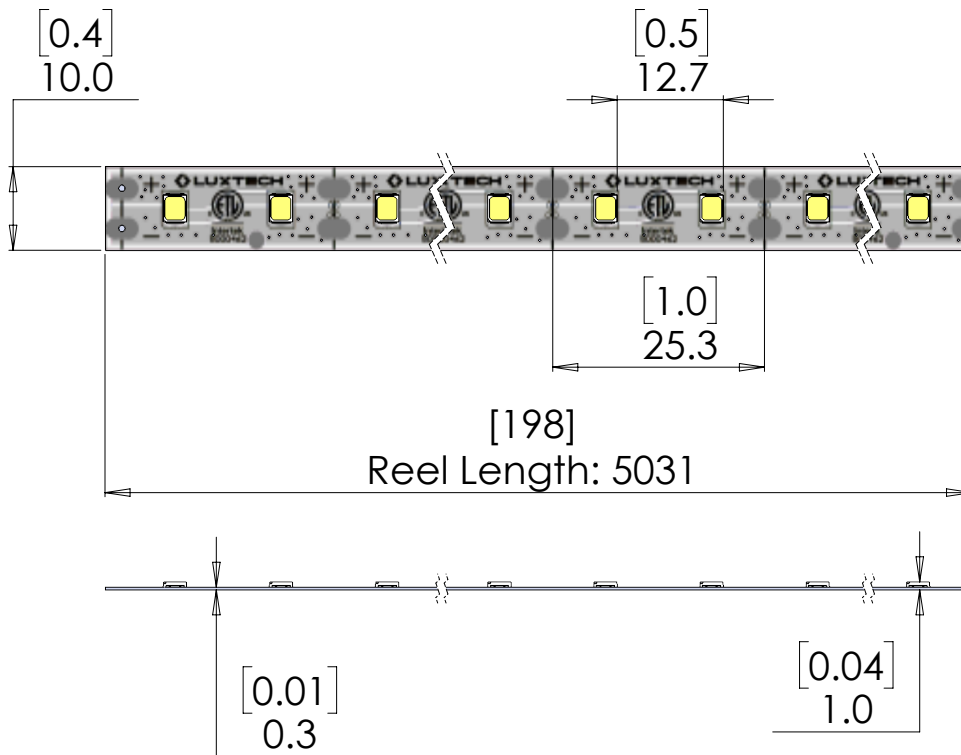
Project ||

Type ||

Quantity ||

# MECHANICAL CHARACTERISTICS

## TECHNICAL DRAWING



Units: [Inches] mm

## PRODUCT DIMENSIONS

PARAMETER	SPECIFICATION (IN)
Reel Length	198.0
Width	0.39
Thickness	0.12
Solder Joint Length	0.078 +/- 0.010



*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)

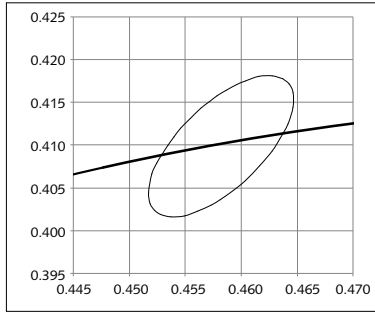
Project ||

Type ||

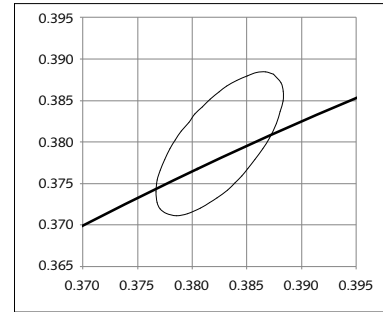
Quantity ||

## COLOR BINNING INFORMATION

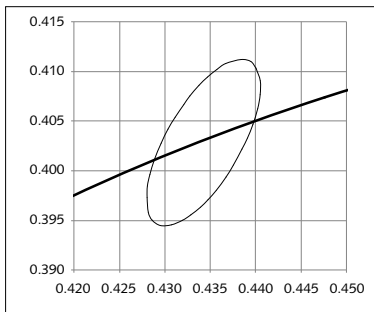
**2700K 3-STEP**



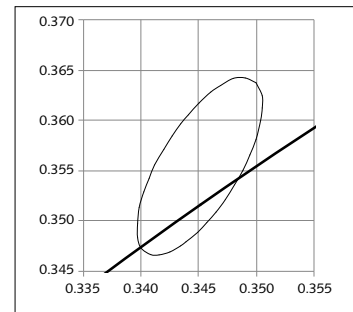
**4000K 3-STEP**



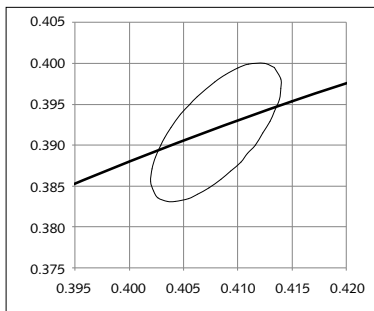
**3000K 3-STEP**



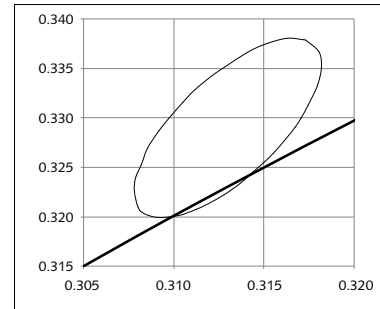
**5000K 3-STEP**



**3500K 3-STEP**



**6500K 3-STEP**



Project ||

Type ||

Quantity ||

## ORDERING INFORMATION

### PRODUCT CODES

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

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

### SUGGESTED CONNECTORS

PRODUCT	MANUFACTURER	DESCRIPTION
OL11-SL10XB-2W	Onlumi	10mm Narrow Wire-to-Board Connector with Multicolored Wire
OL11-SL10XB-2	Onlumi	10mm Narrow Wire-to-Board Connector, No Wire
OL11-SL10BB-2W	Onlumi	10mm Narrow Board-to-Board Connector with Multicolored Wire
OL11-SL10XB-2	Onlumi	10mm Narrow Board-to-Board Connector, No Wire
OL11-SEN10XB-2W	Onlumi	10mm Clear Hippo Wire-to-Board Connector with Multicolored Wire
OL11-SEN10XB-2	Onlumi	10mm Clear Hippo Wire-to-Board Connector, No Wire
OL11-SEN10BB-2W	Onlumi	10mm Clear Hippo Board-to-Board Connector with Multicolored Wire
OL11-SEN10BB-2	Onlumi	10mm Clear Hippo Board-to-Board Connector, No Wire

REV. 1.9



*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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