

FLEX Reach

Constant Voltage LED Tape

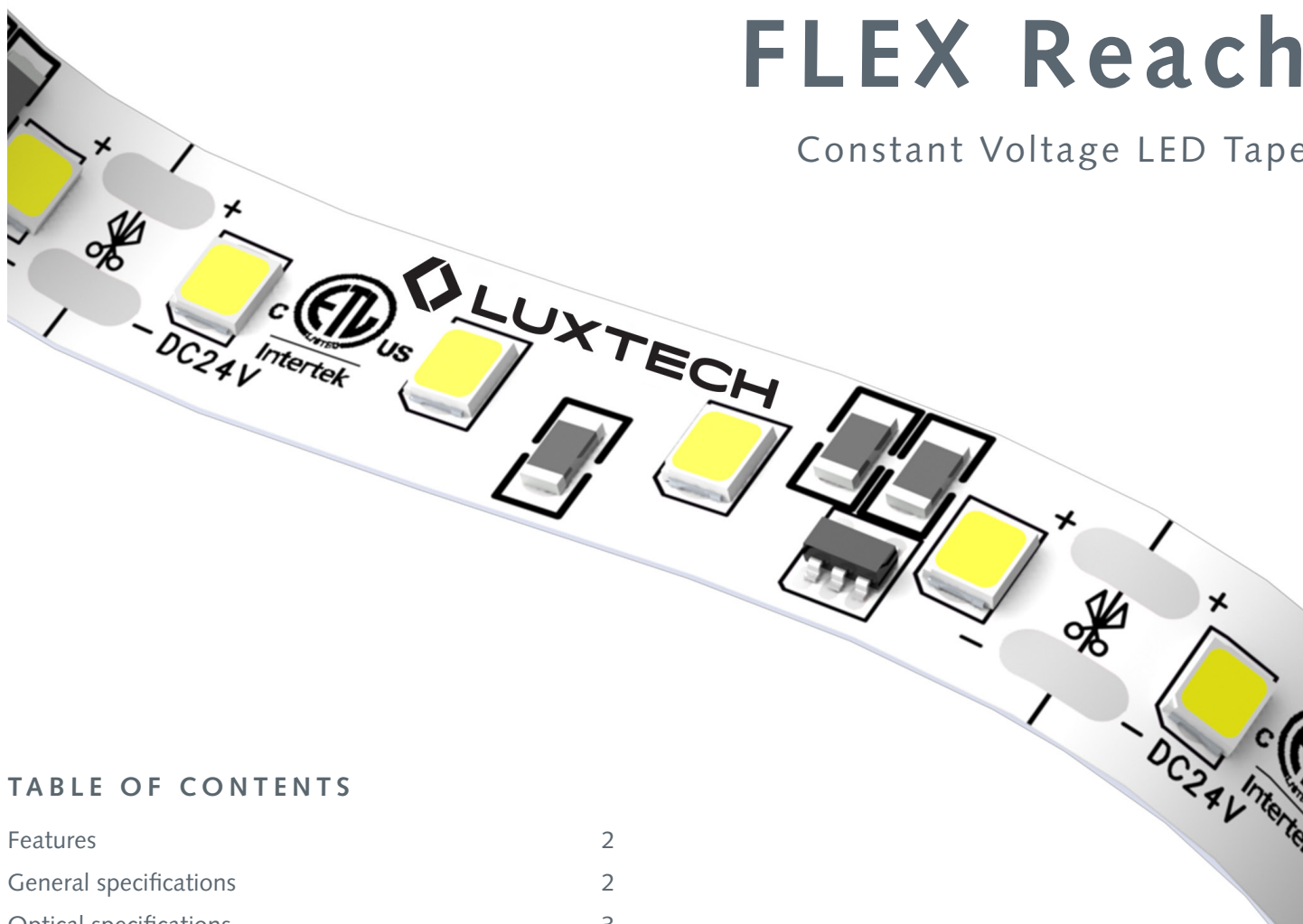


TABLE OF CONTENTS

Features	2
General specifications	2
Optical specifications	3
Electrical characteristics	5
Absolute maximum ratings	6
Derating	6
Mechanical characteristics	8
Accessories and design resources	9
Color binning information	10
Ordering information	11
About LUXTECH	12

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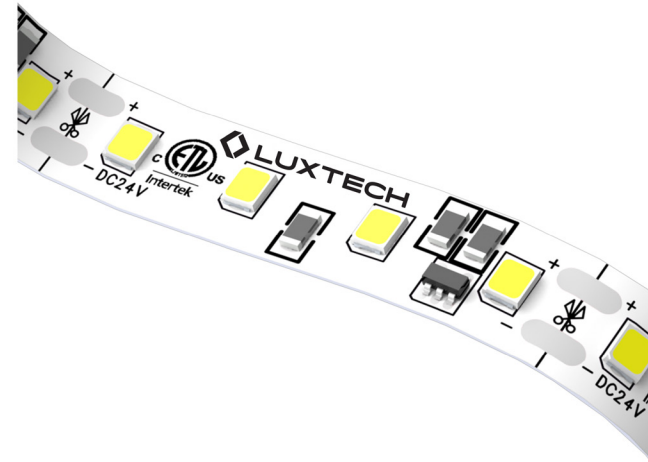
Type ||

Quantity ||

FLEX Reach

Constant Voltage LED Tape

LUXTECH FLEX Reach provides superior brightness consistency over long linear runs. Available in 550 and 1100 lumens/foot, FLEX Reach can extend up to 20 feet. This high-performance, specification grade LED tape is cuttable in convenient 1.5" increments.



FEATURES

- » 5-Year Warranty
- » Rugged Polyimide Substrate
- » Flexible LED Strip
- » Cuttable Every 1.5"
- » Low Profile 0.39" (10mm) Width
- » LM-80 Tested LEDs by Samsung
- » 99% Brightness Consistency Across the Entire Run
- » Specification-Grade 3M VHB Adhesive
- » 3-Step MacAdam Binning

GENERAL SPECIFICATIONS

- » Forward Voltage: 24V, +/- 2V
- » Run Lengths Up to 20' at 550 Lumens/Foot
- » Run Lengths Up to 10' at 1100 Lumens/Foot
- » LED Pitch: 0.375"
- » 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
- » Efficacy: 125 lm/W
- » Color Rendering Index: >80, 90
- » Beam Angle: 120°
- » Reel Length: 16.4' (5m)

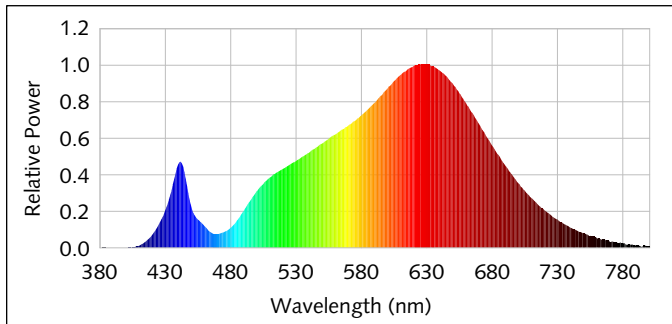
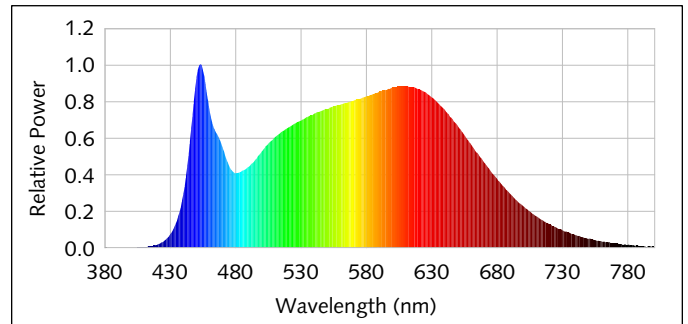
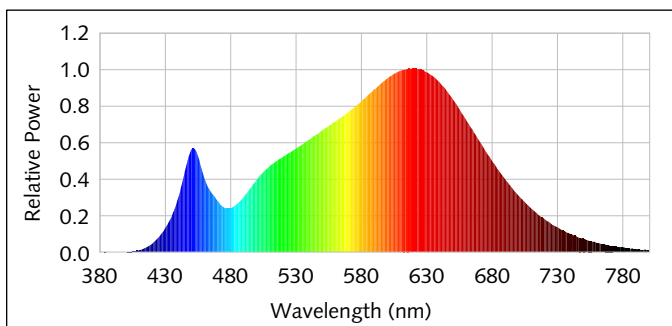
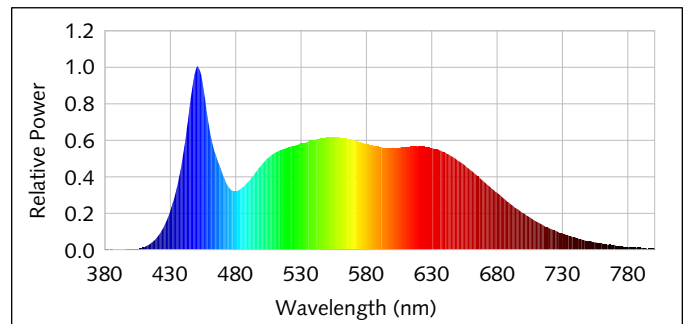
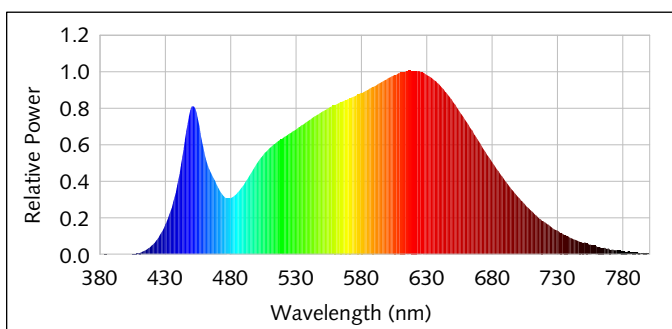
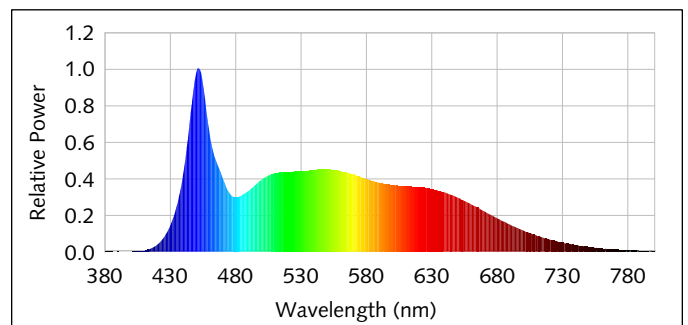
Project ||

Type ||

Quantity ||

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 ||

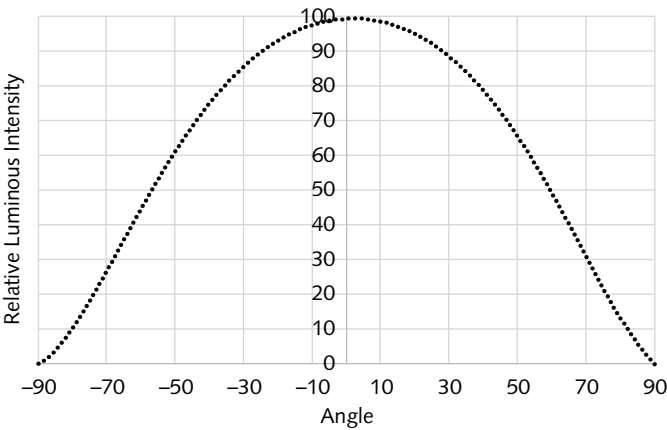
Type ||

Quantity ||

OPTICAL SPECIFICATIONS

BEAM ANGLE

WHITE



Project ||

Type ||

Quantity ||

ELECTRICAL CHARACTERISTICS

Assuming 35K 90 CRI, 25°C

TYPICAL ELECTRICAL CHARACTERISTICS

550 lm/ft	
Current (mA/ft)	200
Voltage (V)	24
Power (W/ft)	4.8
Flux (lm/ft)	550

1100 lm/ft	
Current (mA/ft)	400
Voltage (V)	24
Power (W/ft)	9.6
Flux (lm/ft)	1100

Project ||

Type ||

Quantity ||

ABSOLUTE MAXIMUM RATINGS

550 lm/ft	
Current (mA/ft)	240
Voltage (V)	26
Flux (lm/ft)	550
Temperature (°C)	85

1100 lm/ft	
Current (mA/ft)	440
Voltage (V)	26
Flux (lm/ft)	1100
Temperature (°C)	85

Project ||

Type ||

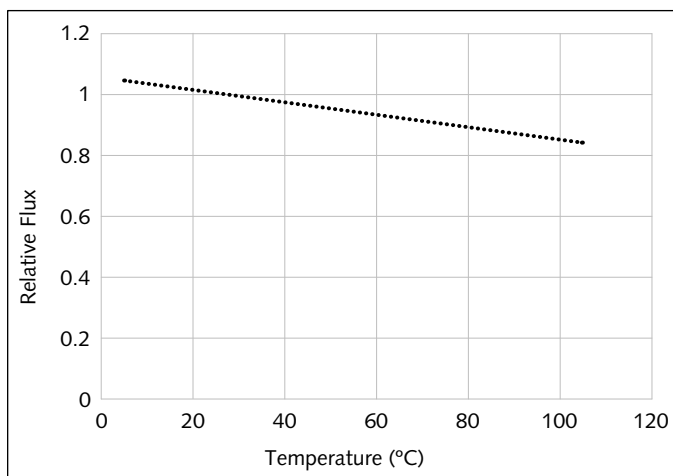
Quantity ||

DERATING

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

FLUX VS. TEMPERATURE

WHITE



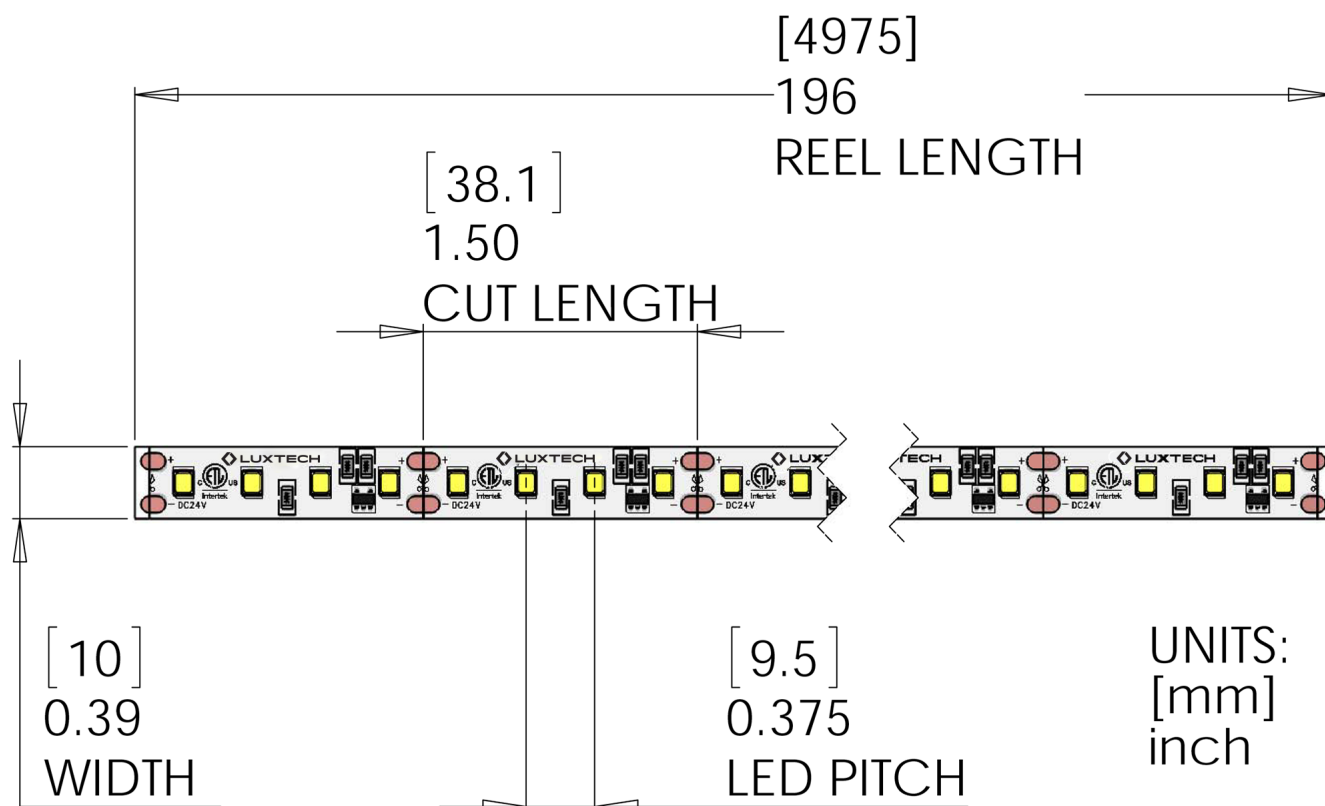
Project ||

Type ||

Quantity ||

MECHANICAL CHARACTERISTICS

TECHNICAL DRAWING



PRODUCT DIMENSIONS

PARAMETER	SPECIFICATION (IN)
Width	0.39
Thickness	0.118

Project ||*Type* ||*Quantity* ||

ACCESSORIES AND DESIGN RESOURCES

DRIVER SELECTION

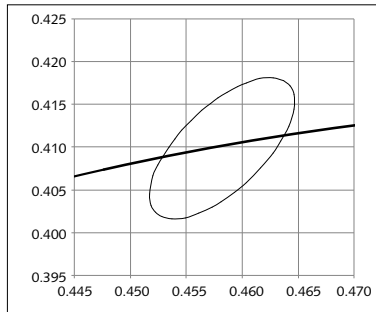
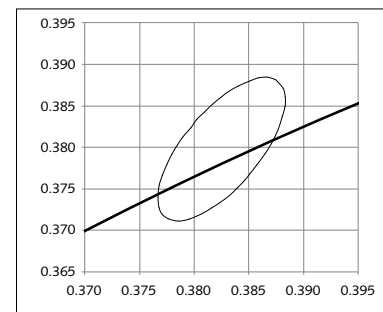
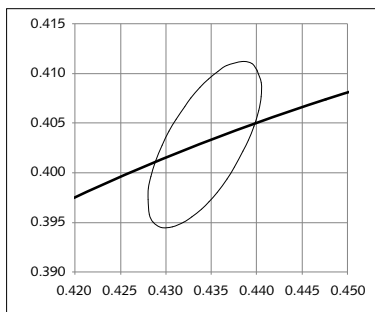
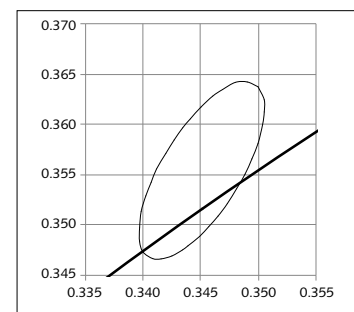
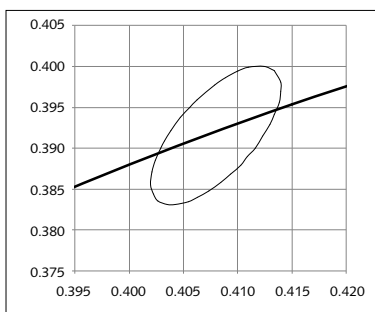
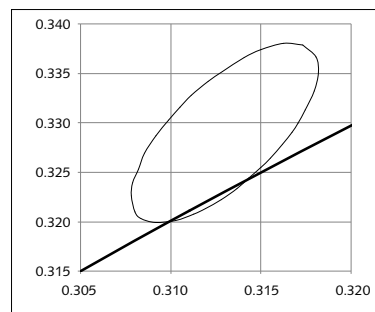
Works with any 24V Constant Voltage Driver. Ensure the driver is rated for the power consumption of your desired run length and output level.

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	LUMENS/FT
FX-RE-15	27K	80	550
	30K	90	1100
	35K		
	40K		
	50K		

EXAMPLE: FX-RE-15-40K-80-1100
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. 1.3



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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