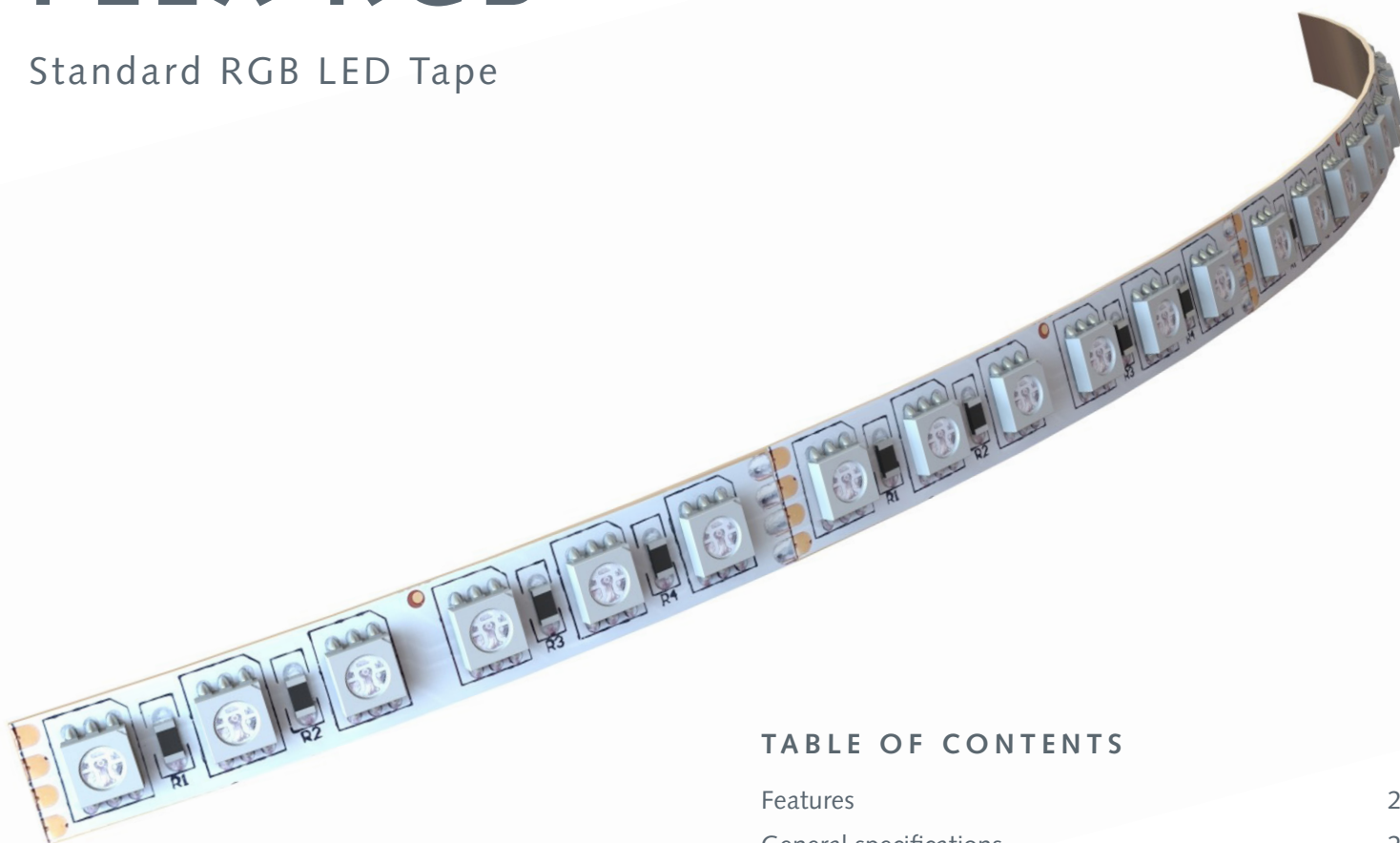


# FLEX RGB

Standard RGB LED Tape



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Project ||

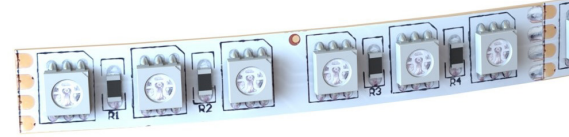
Type ||

Quantity ||

## FLEX Color

Standard RGB LED Tape

LUXTECH RGB Color offers RGB color changing capabilities in our familiar flexible form factor. With 24V constant voltage DMX control, FLEX RGB enlivens your environment in any fixture form factor.



### FEATURES

- » Flexible LED Strip
- » Cuttable Every 2.5"
- » 24V Constant Voltage Input
- » DMX Controllable in 3 channels
- » RGB-in-one LEDs
- » Tight RGB LED binning for color consistency
- » Specification-Grade 3M VHB Adhesive
- » Low Profile 0.39" (10mm) Width

### GENERAL SPECIFICATIONS

- » Forward Voltage: 24V Constant Voltage
- » LED Pitch: 0.42"
- » Reel Length: 16.4' (5m) or 65' (20m)
- » Minimum Bend Radius: 0.50"
- » RGB Nominal 5.9 W/ft per channel
- » High Performance 1+1 oz Copper
- » Max Recommended Length: 15'
- » Beam Angle: 120°

Project ||

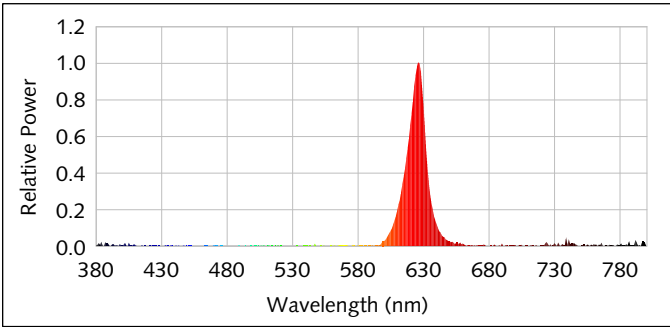
Type ||

Quantity ||

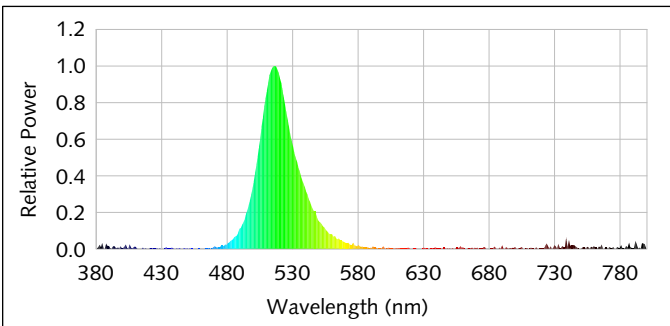
# OPTICAL SPECIFICATIONS

## SPECTRAL POWER DISTRIBUTION, RGB

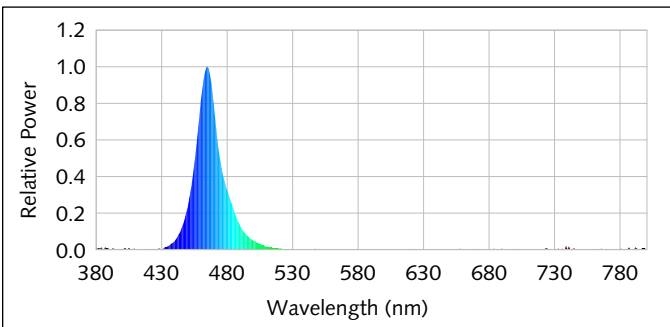
**RED**



**GREEN**

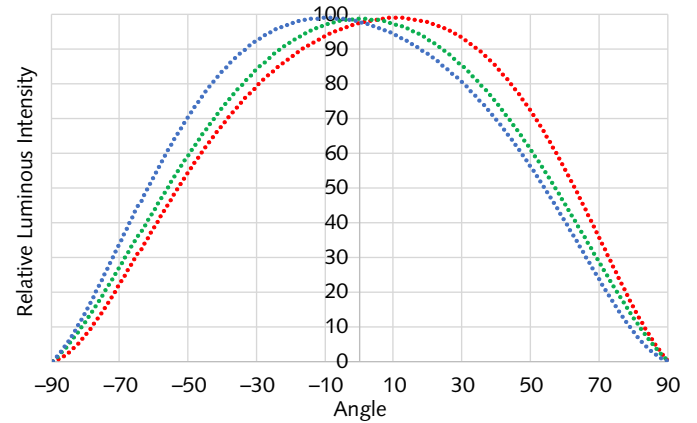


**BLUE**



## BEAM ANGLE

**RGB**



Project ||

Type ||

Quantity ||

## ELECTRICAL CHARACTERISTICS

Assuming 25°C

RED	
Current (mA/ft)	840
Voltage (V)	24
Radiant Flux (mcd/ft)	14400

GREEN	
Current (mA/ft)	750
Voltage (V)	24
Radiant Flux (mcd/ft)	39000

BLUE	
Current (mA/ft)	720
Voltage (V)	24
Radiant Flux (mcd/ft)	10350

Project ||

Type ||

Quantity ||

## ABSOLUTE MAXIMUM RATINGS

RED	
Current (mA/ft)	850
Voltage (V)	27
Radiant Flux (mcd/ft)	14500
Temperature (°C)	85
GREEN	
Current (mA/ft)	800
Voltage (V)	27
Radiant Flux (mcd/ft)	41000
Temperature (°C)	85
BLUE	
Current (mA/ft)	800
Voltage (V)	27
Radiant Flux (mcd/ft)	10500
Temperature (°C)	85

Project ||

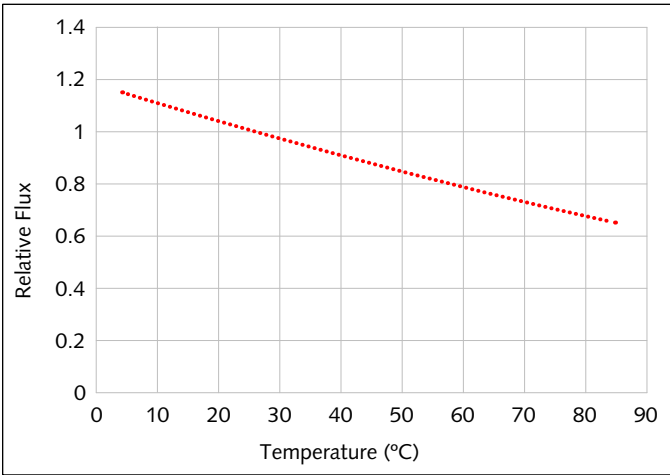
Type ||

Quantity ||

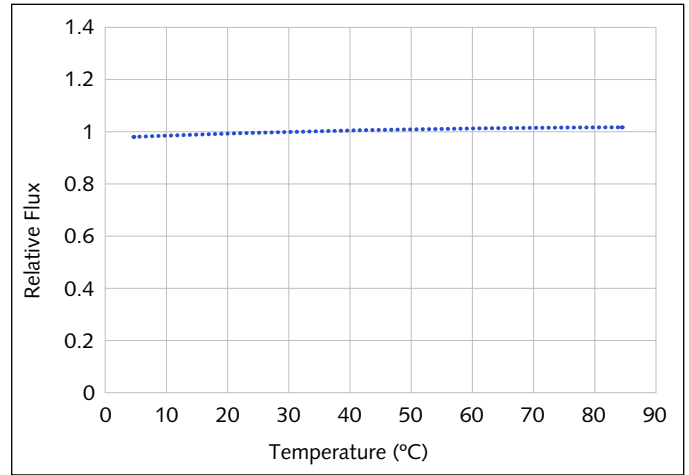
# DERATING

## FLUX VS. TEMPERATURE

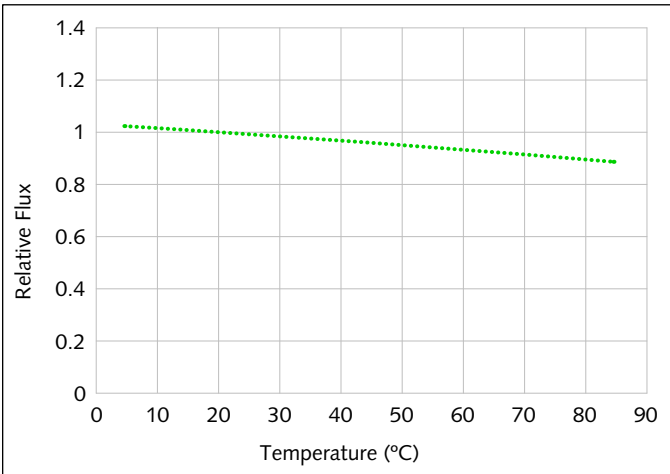
**RED**



**BLUE**



**GREEN**



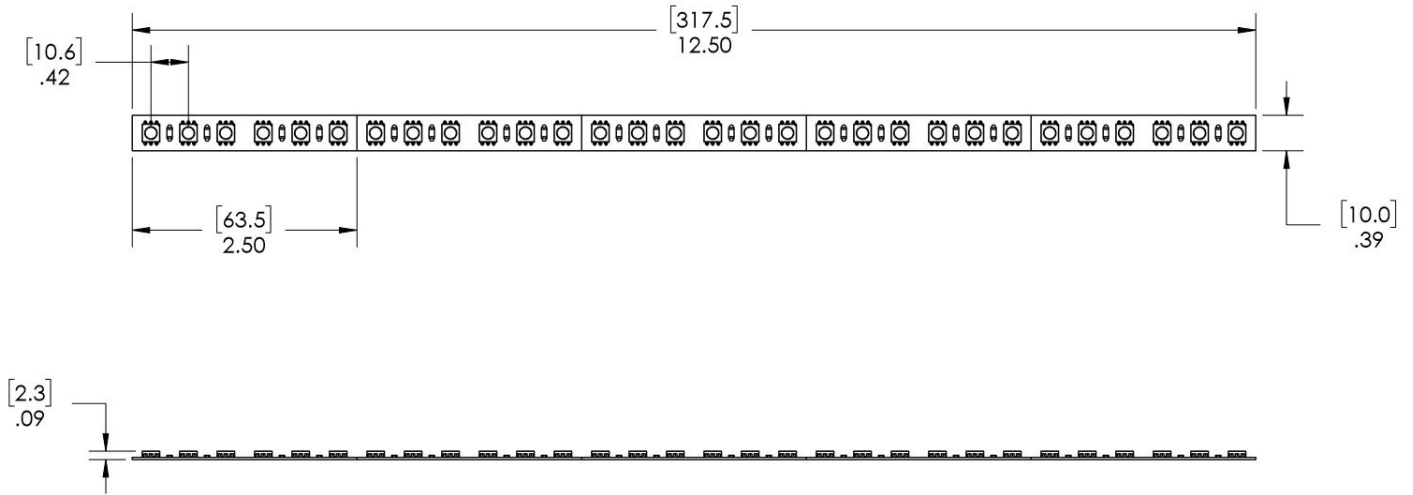
Project ||

Type ||

Quantity ||

# MECHANICAL CHARACTERISTICS

## TECHNICAL DRAWING



Units: Inches [mm]

## PRODUCT DIMENSIONS

PARAMETER	SPECIFICATION (IN)
Width	0.394
Thickness	0.118

Project ||

Type ||

Quantity ||

## ACCESSORIES AND DESIGN RESOURCES

### DRIVER SELECTION

Recommended for use with EldoLED LinearDriver Constant 24V Constant Voltage DMX drivers.

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



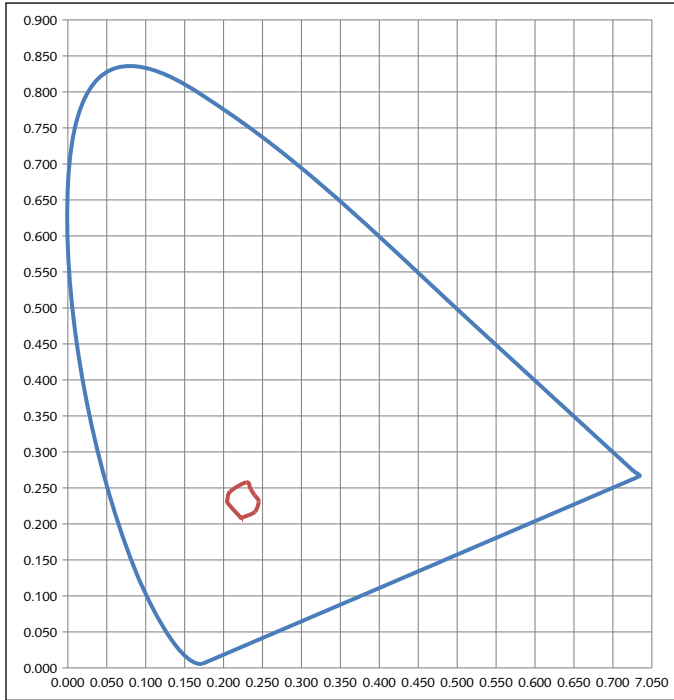
Project ||

Type ||

Quantity ||

# COLOR BINNING INFORMATION

## RGB SINGLE BIN



Project ||

Type ||

Quantity ||

## ORDERING INFORMATION

### PRODUCT CODES

PRODUCT	REEL SIZE
FX-RGB-25	5m
	20m

EXAMPLE: FX-RGB-25-5M  
ORDER IN INCREMENTS OF 16.4'

### ACCESSORY CODES

PRODUCT	ACCESSORY	DESCRIPTION
FX-CN-RGB	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-RGB-WB

REV. 1.5



*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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