

# LUXLINE™

2835R0/84/8

Flexible LED Strip Lighting

## CUT, FLEX & CURVE

For bright illumination with lower power consumption than our 120 LED 8mm strip option, we offer our slim **LUXLINE™ LED Light Strip 2835R0: 84 LEDs** which features an industry leading color rendering index of 90+ with outstanding brightness, uncompromised color quality, and impeccable evenness. Featuring a slim width of only 8mm, simply cut, flex, and curve this LED strip and watch how snugly it fits highly customized and narrow applications with brilliant illumination. Available in a variety of color temperatures.



 <b>OPTIMAL COLOR RENDERING</b>	 <b>OUTSTANDING BRIGHTNESS</b>	 <b>LONG LED LIFESPAN</b>	 <b>WIDE BEAM ANGLE</b>
 <b>FLEX &amp; CURVE</b>	 <b>SLIM WIDTH</b>	 <b>CUTTABLE</b>	 <b>80% ENERGY EFFICIENT</b>
 <b>CUSTOM LENGTHS</b>	 <b>CUSTOM COLOR TEMPS</b>	 <b>CONSTANT VOLTAGE</b>	 <b>EXCELLENT WEATHERABILITY</b>

Slim. Bright. Flexible.

## ASSURED QUALITY



## LEDCONN

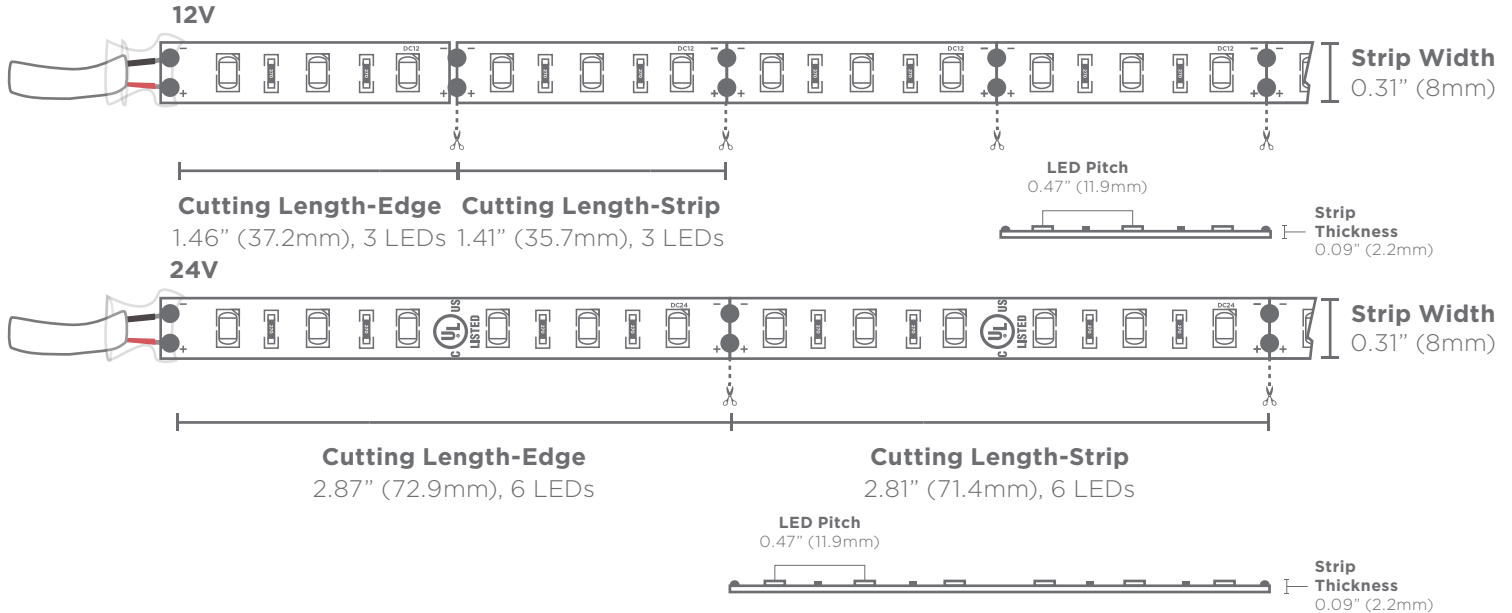
— Be the FOCUS —

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# MECHANICAL

## LED STRIP CUTTING DIAGRAM

Not drawn to scale.



### PARAMETERS

S	V	P	C <sub>1</sub>	C <sub>2</sub>	W	#
2835R0	12V	0.47" (11.9mm)	1.46" (37.2mm)	1.41" (35.7mm)	0.31" (8mm)	3
	24V		2.87" (72.9mm)	2.81" (71.4mm)		6

### KEY

- S** Strip Type
- V** Operating Voltage
- P** Center-to-Center Pitch
- C<sub>1</sub>** Cutting Length - From Edge
- C<sub>2</sub>** Standard Cutting Length
- W** Strip Width
- #** # LEDs per Cut Strip

### LED PARAMETERS

- LED Type** EPISTAR 2835 LED
- LED Count** 25 pc/ft (84 pc/m)
- Dimensions** 0.31" (w) x 0.09" (h) [8mm (w) x 2.2mm (h)]
- LED Pitch** 0.47" (11.9mm)
- LED Strip Width (12V & 24V)** 0.31" (8mm)
- LED Node Size** 2835
- Roll Length** 16 ft 3/8 in (5m)

### INSTALLATION

#### Field Cuttable

- 12V: 1.41" (35.7mm), every 3 LEDs
- 24V: 2.81" (71.4mm), every 6 LEDs

#### Mounting Options

- 3M™ Adhesive
- Magnets

**Heat Sink** Not required

**Environment** Indoor/dry location

**IP Rating**<sup>1</sup> IP22

**Ambient Temperature** -13°F-158°F (-25-70°C)

**Operating Temperature** -13°F-140°F (-25-60°C)

<sup>1</sup> Custom IP Ratings—including EXTERIOR applications (IP 67)—available upon request.

### SPECIFICATION SUBMITTAL

JOB NAME / NUMBER	PART NUMBER
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# ELECTRICAL

## LIGHTING

**Wide Beam Angle** 120°

**Lamp Life** 60,000+ hours

**Color Rendering Index (CRI/Ra)** 90+

### Standard Colors

- 3000K
- 4100K
- 5300K
- 6500K

**Custom Color Temperatures Available**

## DIMMING

- Pulse-width modulation dimming (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

**UL Listed** E477011

## POWER SUPPLY

### Input Voltage

- 12Vdc constant voltage
- 24Vdc constant voltage

### Input Current<sup>1</sup>

- 12V: 0.17 A/ft (0.56 A/m)
- 24V: 0.09 A/ft (0.28 A/m)

**Power Consumption** 2.05 W/ft (6.72 W/m)


**Wire Size** 20 AWG 2 Wire

**Please use only with Class 2 power supply**

### Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

<sup>1</sup>Input Current for a single LED: 20mA.

CCT	CRI	R9	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER
 3000K Warm White			86 lm/W		175 lm/ft (575 lm/m)	
 4100K Neutral White	≥ 90	≥ 50	94 lm/W	120°	193 lm/ft (633 lm/m)	2.05 W/ft (6.72 W/m)
 5300K Daylight						
 6500K Cool White			102 lm/W		210 lm/ft (690 lm/m)	

## SPECIFICATION SUBMITTAL

JOB NAME / NUMBER	PART NUMBER
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INTERIOR COVE LIGHTING



INDOOR ACCENT LIGHTING

## APPLICATIONS

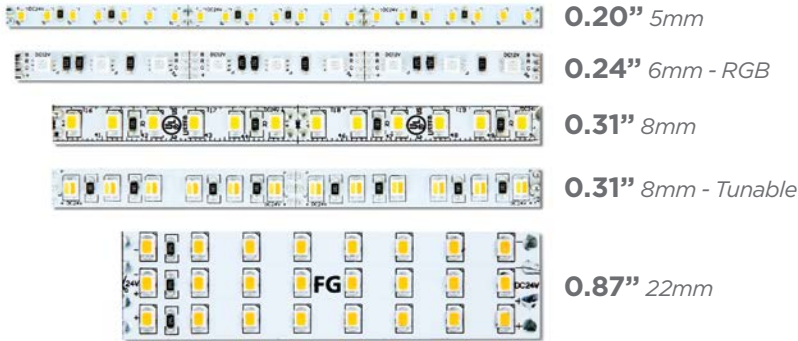
- Promotional Graphics
- Retail Merchandising & Illuminated POP Displays
- Trade Shows & Exhibits
- Signage
- Under Cabinet Lighting
- Ambient Lighting
- Architectural Lighting
- Showcases & Bookshelves
- Path & Contour Marking
- Indoor Accent Lighting
- Cove Lighting
- Ultra LED-slim light boxes & light panels
- ...And Many More!

### SPECIFICATION SUBMITTAL

JOB NAME / NUMBER

PART NUMBER

# ADDITIONAL STRIP WIDTHS



## AVAILABLE IN

MULTIPLE STRIP WIDTHS & COLOR TEMPERATURES

Contact a Sales Rep for More Information



# LUXLINE™ LIGHT STRIP PART NUMBER

## EXAMPLE

U84VNB-2835R0

LUXLINE™

U

PRODUCT  
LINE/PROFILE

84"

84

LENGTH

5300K

V

COLOR  
TEMPERATURE  
(CCT)

NO LENS

N

LENS

OPTIONAL

SET

-x2set

SET

2835R0

-2835R0

STRIP TYPE

## BUILD IT!

### PRODUCT LINE

U LUXLINE™

### DIMENSIONS (IN INCHES)

LL VARIES

### COLOR TEMPERATURE (CCT)

W 6500K  
V 5300K  
Y 4100K  
Z 3000K  
T TRICOLOR (RGB)  
A ADJUSTABLE (TUNABLE WHITE)  
R RED  
G GREEN  
B BLUE  
C CUSTOM CCT

### LENS

N NO LENS

### SET (OPTIONAL)

-x2set SET (OMIT IF N/A)  
**-LED**  
**-2016** 2016/182/5 (5mm)  
**-2835R** 2835R/120/8 (8mm)  
**-2835R0** 2835R0/84/8 (8mm)  
**-2835H3** 2835H3/288/22 (22mm)  
**-3528H** 3528H/90/5 (5mm)  
**-3528** 3528/120/8 - TUNABLE WHITE (6mm)  
& 3528RGB/84/6 - RGB (6mm)

FOR REQUESTING MULTIPLE SETS IN A SERIES ONLY  
OMIT IF N/A

## SPECIFICATION SUBMITTAL

JOB NAME / NUMBER

PART NUMBER