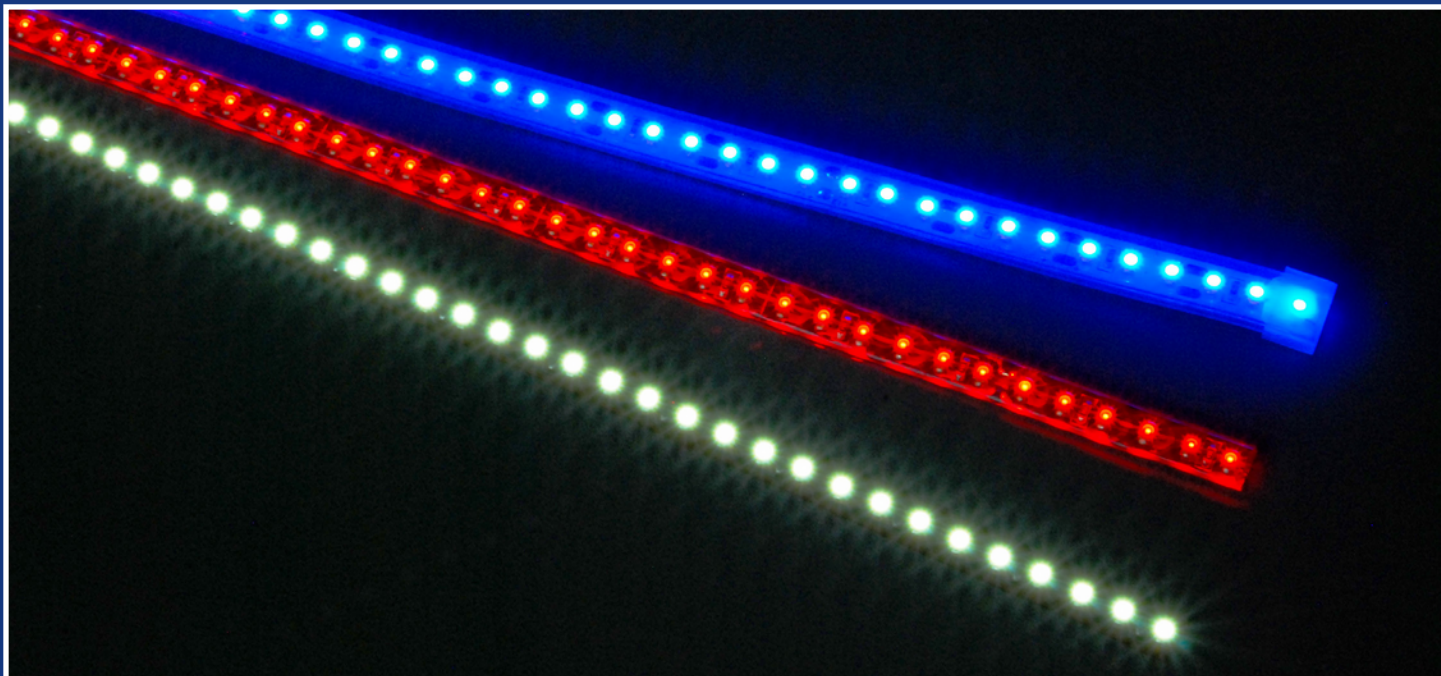




Sorenson Lighted Controls
Illuminating Innovation™

RJ Flex Lite

New Product Release



Features

- UL, CE and RoHS compliant
- Available sealed, unsealed and dustproof • IP 67 Sealing (Sealed Model)
- IP 65 (dustproof model)
- Long Life – over 50,000hrs
- UV resistant
- Extremely high luminous flux with a wide viewing angle (120 Degrees)
- PCB Color - Standard
 - Sealed: White
 - Unsealed: Brown
 - Dustproof: Brown
 - Special Order: Black
- Temperature Range: -45C to +85C
- Flexible Single colors:
 - Max Current 4.0A at 12V (per reel)
 - 1210 (3528) SMD LED
 - Max Watts: 48
- Working Voltage 12VDC (24VDC available please contact factory)
- Very flexible and easily curved to any shape
- Wide Applicability and easy to install and maintain
- Environmentally friendly, Energy saving
- 3M double back tape mounting for unsealed and dustproof

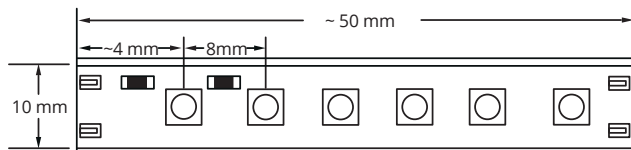
For Information:

800.275.7089 • 860.527.3092

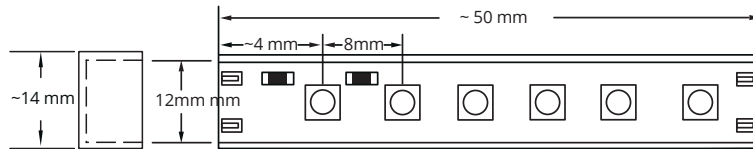
sales@solico.com • www.solico.com

RJ Flex Lite

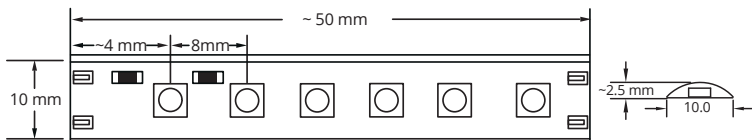
Un-Sealed RJ Flex-Lite



Sealed RJ Flex-Lite



Dustproof RJ Flex-Lite



Max height 5mm

- Standard length per reel is 5M (16 ft)
- 600 LED's per reel
- Cut Length 50mm
- 6 LED's per cut

Typical Data on a 12 inch cut section

Total Length (~300mm)	Number of LED's	Color	Current Draw	Power (per foot)	CCT / Wavelength	Single LED Luminous Flux / Intensity**	Luminous Flux per Intensity per Foot
12	3	Red	240mA	2.88 W	630 nm	300mcd	10,800mc
"	6	Green	A	2.88 W	525 nm	1000mcd	d
12	3	Blue	240mA	2.88 W	470 nm	d	36,000mc
"	6	Yellow	A	2.88 W	596 nm	220mcd	d
12	3	Warm White	240mA	2.88 W	3000-3500K	400mcd	7920mcd
"	6	White	A	2.88 W	5000-5500K	4.5Lm's	14,400mc
12	3	Pure White	240mA	2.88 W	6000-6500K	4.5Lm's	d
"	6		A			5Lm's	162Lm's
12	3		240mA				162Lm's
12	6		A				180Lm's

Recommended Accessories - Sealed Flex Lite only

12	3	Cap Accessories	240mA	Description
"	6	RG-WIRCAP-010	A	Wire Cap for RH - RJ - RU series single color
12	3	RG-ENDRGB-000	240mA	End Cap without hole RH - RJ - RU
"	6	RG-MTGRGB-000	A	RH - RJ - RU flexible strip mounting bracket

Power Accessories*

Recommended Waterproof Power Supply	
RG-PC12V5-1101	Reel - 16 Feet
RG-PC12V8-1102	Reel - 32 Feet

Recommended Non-Waterproof Power Supply	
RG-P12V5A-AD0	1 Reel - 16 Feet
RG-P12V8A-AD0	2 Reel - 32 Feet

*For additional power supplies see accessory list

Note: If you are using the cut sections of the RJ, 30 W power supply is possible. Calculate the total length using the following formula

RG-PC12V2.5-110	1 ft = 2.88	12V 2.5 Amps Waterproof
RG-P12V3A-AD0	Watts 1 ft =	12V 3 Amps Non-Waterproof
	2.88 Watts	

Ordering Format

XX	XX	-	X	-	X	X	-	XXX	-	X	XXX
RJ	Voltage	Type	Code	Style	Code	Length	Code	Color	Code	Length	In
14	LED	28	12	Unsealed	U	h	6	Green	4	Inches	192 (1
LED			13	Sealed	S	inch		Yellow	8	Reel)	
				Dustproof	D			White6	White		
								Pure White	P		

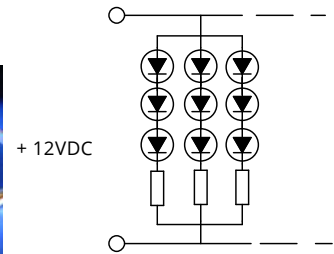
Contact Factory for Special Colors
For special requests or 24 volts, contact sales.

Sorenson Lighted Controls, Inc. • 75 Locust St. • Hartford, CT
www.solico.com • 800.275.7089 • T. 860.527.3092 • F.
860.527.6047

REV.

Electrical/Optical-Characteristics

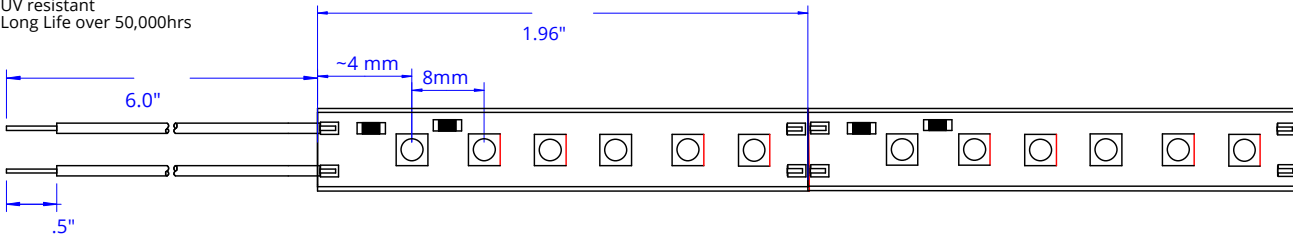
1. Operating Voltage: 12VDC +/- 5%
2. Power: < 46 Watts for 5M reel (Approx 2.8 Watts per foot)
3. Conditions: Dustproof/Waterproof
4. PCB: Flexiable
5. Color Temperature:
 - a) Pure White: 6000k
 - b) Warm White: 3500k
 - c) RED
 - d) Blue
 - e) Yellow
6. Viewing Angle: 120-160 degree
7. 600LEDs per 5M
8. Lumen Output per Reel Approx: 2800
9. Lumen Output per Foot Approx: 175

DWG NO. **RJ-12X series****Mechanical-Characteristics**

1. Maximum Connections: 5M (1 reel)
2. Cutting Specifications: **Each 6 LED Section (~1.96 inches)**
3. LED Spacing: 8mm
4. LED Type: SMD 3528
5. Reel Length: 5M
6. Temperature Range: -45C to + 85C

Application-Notes

1. Multiple Uses
2. Easy to install and maintain
3. Very Flexible and easily curved to any shape
4. Energy savings and Environmentally friendly
5. RoHS compliance
6. UV resistant
7. Long Life over 50,000hrs



MATERIAL		FINISH		SORENSEN LIGHTED CONTROLS, INC. Hartford, Connecticut		
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	FRAC. $\pm 1/64$ X.XXX $\pm .005$		DRAW N	DATE	SIZE A	DWG NO RJ-12X Series
	X.XX $\pm .010$ ANGLES $\pm 1^\circ$		CHECKD	DATE		
	PROJECTIONS DIMENSIONS IN (mm)		APP VD	DATE	USED ON	SCALE
		SHT OF				

REV. **A**