

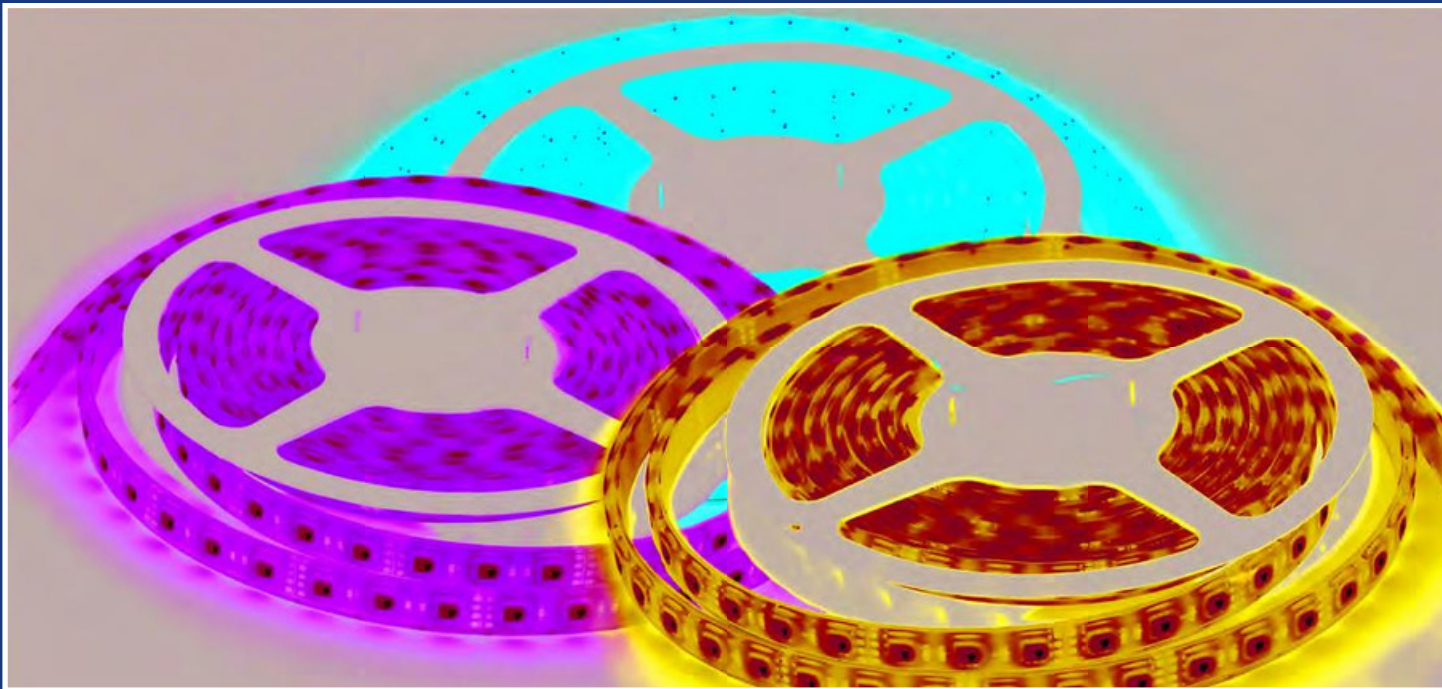


Sorenson Lighted Controls
Illuminating Innovation™

RU Flex Lite

New Product Release -

Now available - Waterproof



Features

- UL, CE and RoHS compliant
- Available sealed, unsealed, dustproof and waterproof
- Long Life – over 50,000hrs
- UV resistant
- Extremely high luminous flux with a wide viewing angle (120 Degrees)
- PCB Color - Standard
 - Sealed: White - IP 67 Sealing
 - Unsealed: Brown
 - Dustproof: Brown or Black- IP 54 Sealing
 - Waterproof: White - IP 68 Sealing
- Temperature Range: -45C to +85C
- RU Flex Lite:
 - Max Current 6A at 12V (per reel)
 - 5050 SMD LED
 - Max Watts: 72
- 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

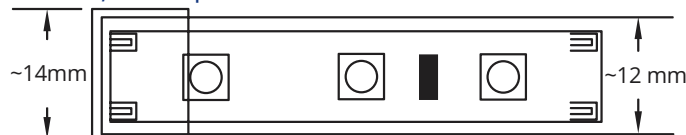
For Information:

800.275.7089 • 860.527.3092

sales@solico.com • www.solico.com

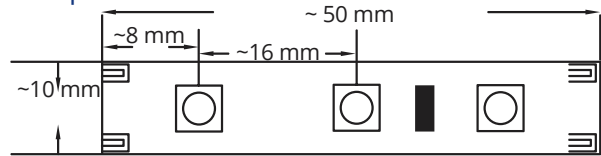
RU Flex Lite

Sealed / Waterproof



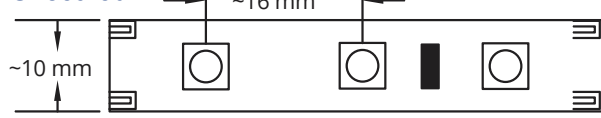
Max height ~4mm

Dustproof



- Standard length per reel is 5M (16 ft) •
- 300 LED's per reel
- 3 LED's per cut length
- Wire gauge, 20 ga

Unsealed



Typical Data on a 12 inch cut section

Total Length In inches	Number of LEDs	Color	Current Draw	Power (per foot)	CCT/ Wavelength	Single LED Luminous Flux / Intensity	Luminous Flux per Intensity per foot
1	1	Red	360mA	4.32W	630 nm	900mcd	16200mcd
2	8	Green	A	4.32W	525 nm	2000mcd	36000mcd
1	1	Blue	360mA	4.32W	470 nm	600mcd	10800mcd
2	8	Yellow	A	4.32W	596 nm	1000mcd	18000mcd
1	1	Warm White	360mA	4.32W	3000-3500K	13.5 Lm	243.5 Lm
2	8	White	A	4.32W	5000K-5500K	13.5 Lm	243.5Lm
1	1	Pure White	360mA	4.32W	6000-6500K	13.5 Lm	261Lm

Recommended Accessories - Sealed and Waterproof Flex Lites only.

1	1	RG-WIRCAP-010	360mA	End Cap - Wire Leads
2	8	RG-ENDRGB-000	A	End Cap without Wire Leads
1	1	RG-MTGRGB-000	360mA	Mounting Bracket
2	8		A	

Power Accessories

For additional power supplies see accessory list

Recommended Waterproof Power Supplies	
RG-PC12V8-110	1 Reel - 16 Feet

Recommended Non-Waterproof Power Supplies	
RG-P12V8A-AD0	1 Reel - 16 Feet

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

RG-PC12V2.5-110	1 ft = 4.32	12V 5 Amps Waterproof (60W)
RG-PC12V5-110	Watts 1 ft =	12V 3 Amps Non-Waterproof (36W)
RG-P12V3A-AD0	4.32 Watts 1 ft	12V 5 Amps Non-Waterproof (60W)
RG-P12V5A-AD0	= 4.32 Watts 1 ft = 4.32 Watts	

Ordering Format

XX	XX	-	X	-	X	X	-	XXX	-	X	XXX
RU	voltage type	Code	Style	Code	Length	Code	Color	Code	Length In Inches	type	Code
28	14 LED	12	Unsealed	6	inch		Red		192 (1 Reel)	Reel	000
		13	Sealed				Green			Cut	
			Dustproof				Blue			Assembly A	
			Waterproof				Yellow				
							Warm White				
							White				
							Pure White				

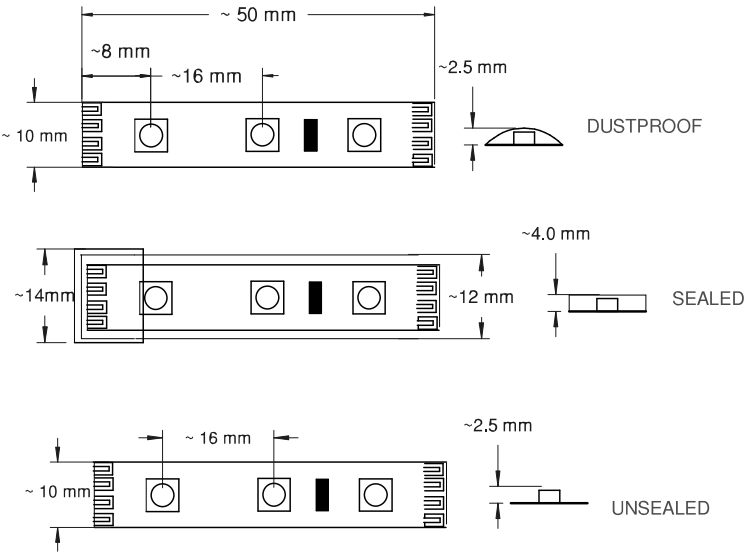
Contact Factory for Special Colors • For special requests or 24 volts, contact sales.

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

Electrical / Optical Characteristics

Operating Voltage: 12VDC +/- 5%
Power: < 72 Watts
Conditions: Outdoor or Indoor
PCB: Flexible
Viewing Angle: 120° - 160°
Max Current: 6 Amps
Cut Spec: 3 led per 50mm
Temp Range: -45°C to +85°C

Typical Data on a 12 inch cut section							
Total Length in inches	# of LEDs	Color	Current Draw	POWER	Color	CCT/Wavelength	Single LED Luminous Flux / Intensity**
12	18	RGB	360	4.32	RED	630 nm	250
					GREEN	525 nm	700
					BLUE	470 nm	150



STANDARD PCB COLORS	
Type	PCB
Sealed	White
Unsealed	Brown
Dustproof	Brown

MATERIAL		FINISH		SORENSEN LIGHTED CONTROLS, INC. Hartford, Connecticut			
PROPRIETARY NOTICE <small>NOTICE TO ALL PERSONS RECEIVING THIS DRAWING. THIS DOCUMENT IS THE SOLE PROPERTY OF SORENSON LIGHTED CONTROLS, INC. AND IS NOT TO BE DISCLOSED, REPRODUCED IN WHOLE OR IN PART, OR USED FOR ANY MANUFACTURING PURPOSES BY ANYONE WITHOUT THE EXPRESS CONSENT OF SORENSON LIGHTED CONTROLS, INC.</small>	UNSPECIFIED TOLERANCES		TOOL NO.		TITLE		
	FRAC. $\pm 1/64$ X.XX $\pm .010$		X.XXX $\pm .005$ ANGLES $\pm 1^\circ$		Catalog Drawing		
	PROJECTIONS		DIMENSIONS IN (mm)		SIZE A		
					DWG NO. RU-12X RGB		
					REV.		
				USED ON		SCALE	SHT OF

Electrical / Optical Characteristics

Operating Voltage: 12VDC +/- 5%
Power: < 72 Watts
Conditions: Outdoor or Indoor
PCB: Flexible
Luminous Flux: 6-10lm LED
Color Temperature: 6000k Pure White
Light Output: 4000 mcd
Viewing Angle: 120° - 160°
Max Current: 6 Amps



DWG NO. RU-12X series

REV.

Specifications per 1 Meter approx 40 inches

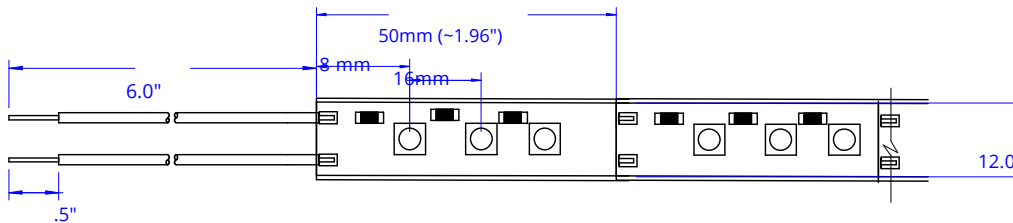
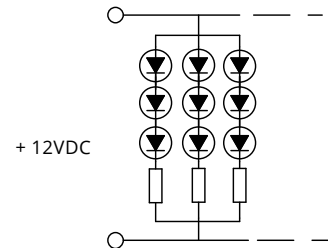
Color	LED type	Current	Voltage	Power	View Angle
Red	SMD5050 12A	DC12V	14.4W	120°	
Yellow	SMD5050 12A	DC12V	14.4W	120°	
Green	SMD5050 12A	DC12V	14.4W	120°	
White	SMD5050 12A	DC12V	14.4W	120°	
Warm White	SMD5050 12A	DC12V	14.4W	120°	
RGB	SMD5050 12A	DC12V	14.4W	120°	

Mechanical Characteristics

Maximum Connections: 5 meters (1 reel)
Cutting Specifications: Each 3-LED section (~1.96")
LED Spacing: 16 mm (~0.63")
LED Type: SMD 5050
Temperature Range: -45°C to +85°C

Application Notes

Multiple Uses, easy to install and maintain
Very flexible, easily curved to any shape
Very bright, with wide viewing angle
Energy saving, environmentally friendly
Long life
UV Resistant



STANDARD PCB COLORS	
Type	PCB
Sealed	White
Unsealed	Brown
Dustproof	Brown

MATERIAL		FINISH		SORENSEN LIGHTED CONTROLS, INC. Hartford, Connecticut		
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				TOOL NO.		SIZE A DWG NO. RU-12X Series
				DRAW N	DATE	
				CHECKD	DATE	
				APP VD	DATE	USED ON
						SCALE
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