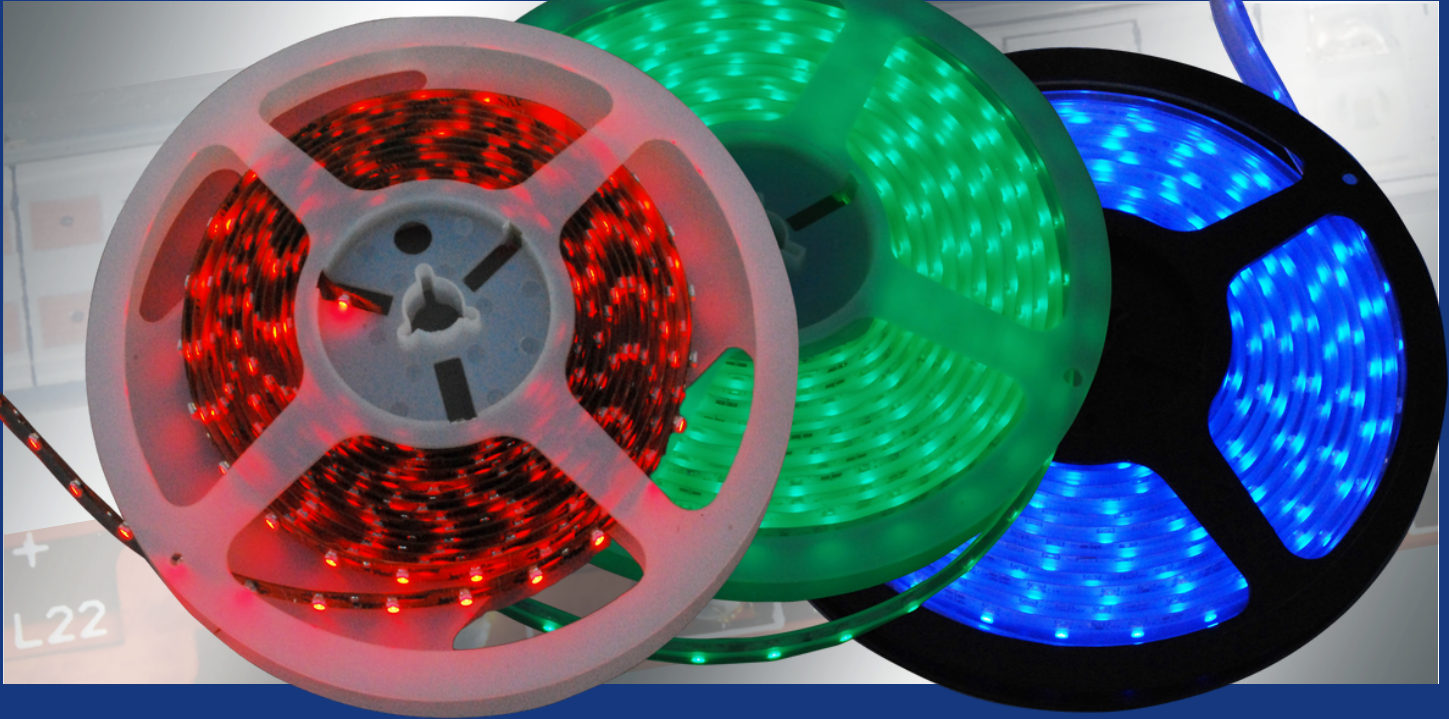




**Sorenson Lighted Controls**  
Illuminating Innovation™

# RF Flex Lite

## New Product Release



## Features

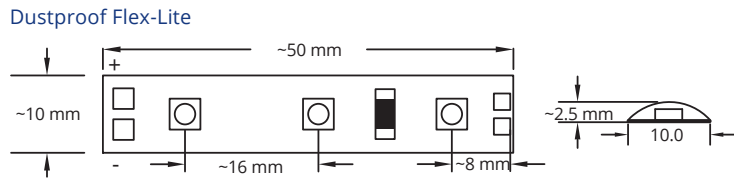
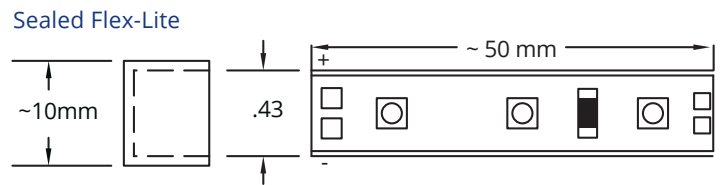
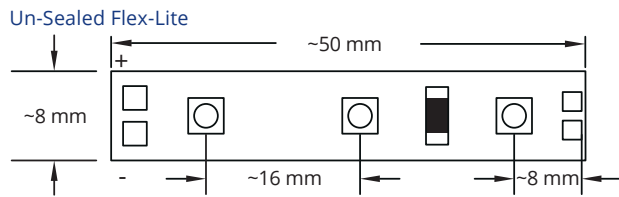
- UL, CE and RoHS compliant
- Available sealed, unsealed and dustproof • IP 67 Sealing (Sealed Model)
- IP 65 (dustproof model)
- Long Life – over 50,000hrs
- UV resistant
- Extremely high luminous flux with a wide viewing angle (120 Degrees)
- PCB Color - Standard
  - Sealed: White
  - Unsealed: Brown
  - Dustproof: Brown
  - Special Order: Black
- Temperature Range: -45C to +85C
- Flexible Single colors:
  - Max Current 2.0A at 12V (per reel)
  - 1210 (3528) SMD LED
  - Max Watts: 24
- 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

# RF Flex Lite



Max height 4mm

- Standard length per reel is 5M (16 ft)
- 300 LED's per reel
- Cut Length 50mm
- 3 LED's per cut
- Wire Gauge 20ga

## 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	1	Red	120m	1.44 W	630 nm	300mcd	5400mcd
"	8	Green	A	1.44 W	525 nm	1000mc	18,000mc
12	1	Blue	120m	1.44 W	470 nm	d	d
"	8	Yellow	A	1.44 W	596 nm	220mcd	3960mcd
12	1	Warm White	120m	1.44 W	3000-3500k	400mcd	7200mcd
"	8	White	A	1.44 W	5000-5500k	4.5Lm's	81Lm's
12	1	Pure White	120m	1.44 W	6000-6500k	4.5Lm's	81Lm's
"	8		A			5Lm's	90Lm's

## Recommended Accessories - Sealed Flex Lite only

Total Length	Number of LED's	Cap Accessories	Current Draw	Description
12	1	RG-WIRCAP-000	120m	Wire Caps for the RF Flex Lites or (End cap with hole)
"	8	RG-ENDCAP-000	A	End Caps for RF Flex Lites or (End cap without hole)
12	1	RG-MTGUNO-000	120m	RF Mounting Bracket or (Individual color flexible strip mounting bracket)
"	8		A	

## Power Accessories\*

Recommended Waterproof Power Supply	
RG-PC12V2.5-1101	Reel - 16 Feet
RG-PC12V5-1102	Reel - 32 Feet

Recommended Non-Waterproof Power Supply	
RG-P12V3A-AD0	1 Reel - 16 Feet
RG-P12V5A-AD0	2 Reel - 32 Feet

\*For additional power supplies see accessory list

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

RG-PC12V2.5-110	1 ft = 1.44	12V 2.5 Amps Waterproof
RG-P12V3A-AD0	Watts 1 ft =	12V 3 Amps Non-Waterproof
	1.44 Watts	

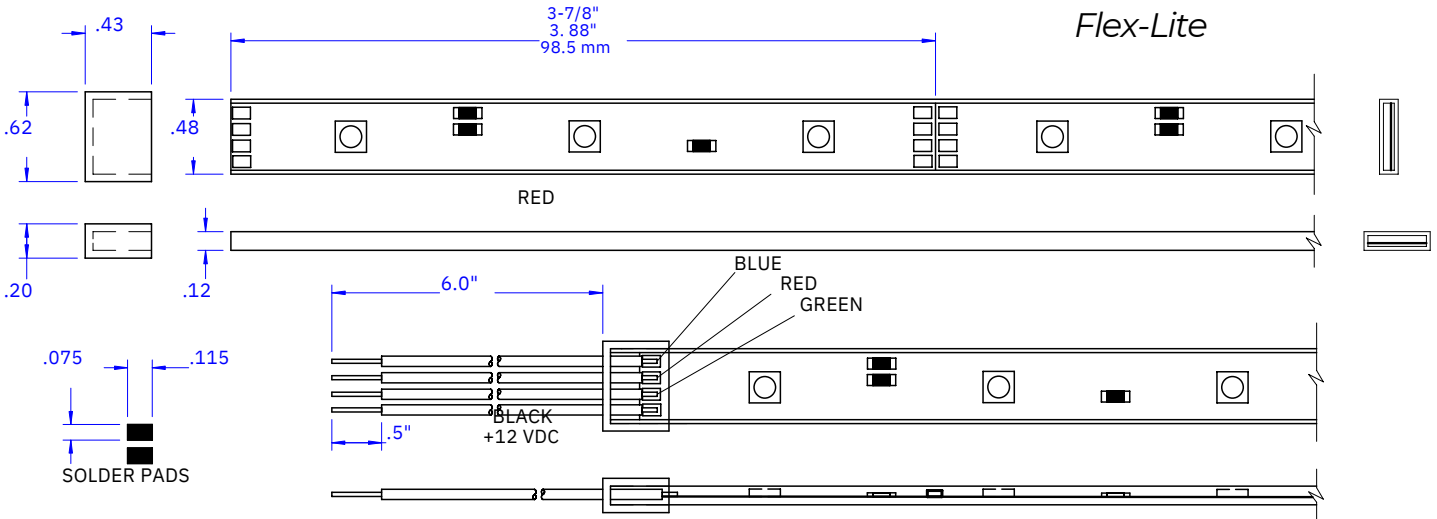
## Ordering Format

XX	XX	-	X	-	X	X	-	XXX	-	X	XXX				
RF	Voltage	Type	Code	Style	Code	Length	Code	Color	Code	Red	Length	In	Type	Code	Code
	14	LED	28	Unsealed	U	h	6	L	Green	4	Blue	5	Inches	192	(1
	LED		13	Sealed	S	inch			Yellow	8	Warm		Reel)		
				Dustproof	D				White	6	White	W	Assembly	A	
									Pure	White	P				000

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

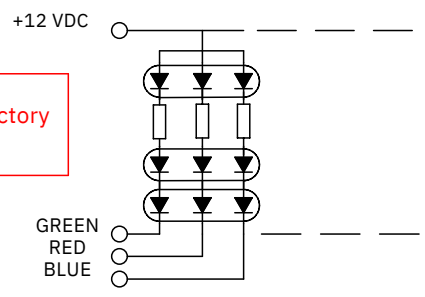
THIS DRAWING AND DIMENSION PROVIDED FOR REFERENCE ONLY

DWG NO. **RF-12S Series RGB** REV. **B**



Working Voltage ( $\pm 5\%$ ): 12 VDC  
 Current (1 foot length): ~180 mA (2.5W)  
 Viewing Angle: 120°  
 IP Rating: 65 (Silicone Rubber Jacket)  
 Operating Temperature: -40°C to 90°C  
 Number of LEDs (1 foot): 12  
 LED Type: SMT LED (5060)  
 Color: RGB

**NOTE:**  
 Length tolerance on factory cut assemblies is  $\pm 1/2$ "



MATERIAL Silicone Rubber over Flex Circuit		FINISH		SORENSEN LIGHTED CONTROLS, INC. Hartford, Connecticut	
PROPRIETARY NOTICE 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.	UNSPECIFIED TOLERANCES FRAC. $\pm 1/64$ X .XXX $\pm .005$ X.XX $\pm .01$ ANGLES $\pm 1^\circ$		TOOL NO.		TITLE Catalog Drawing
	PROJECTIONS DIMENSIONS IN (mm)		DRAWN WRS	DATE 11/01/07	SIZE A
			CHECKED	DATE	DWG NO. RF-12S Series RGB
		APPVD	DATE	REV.	