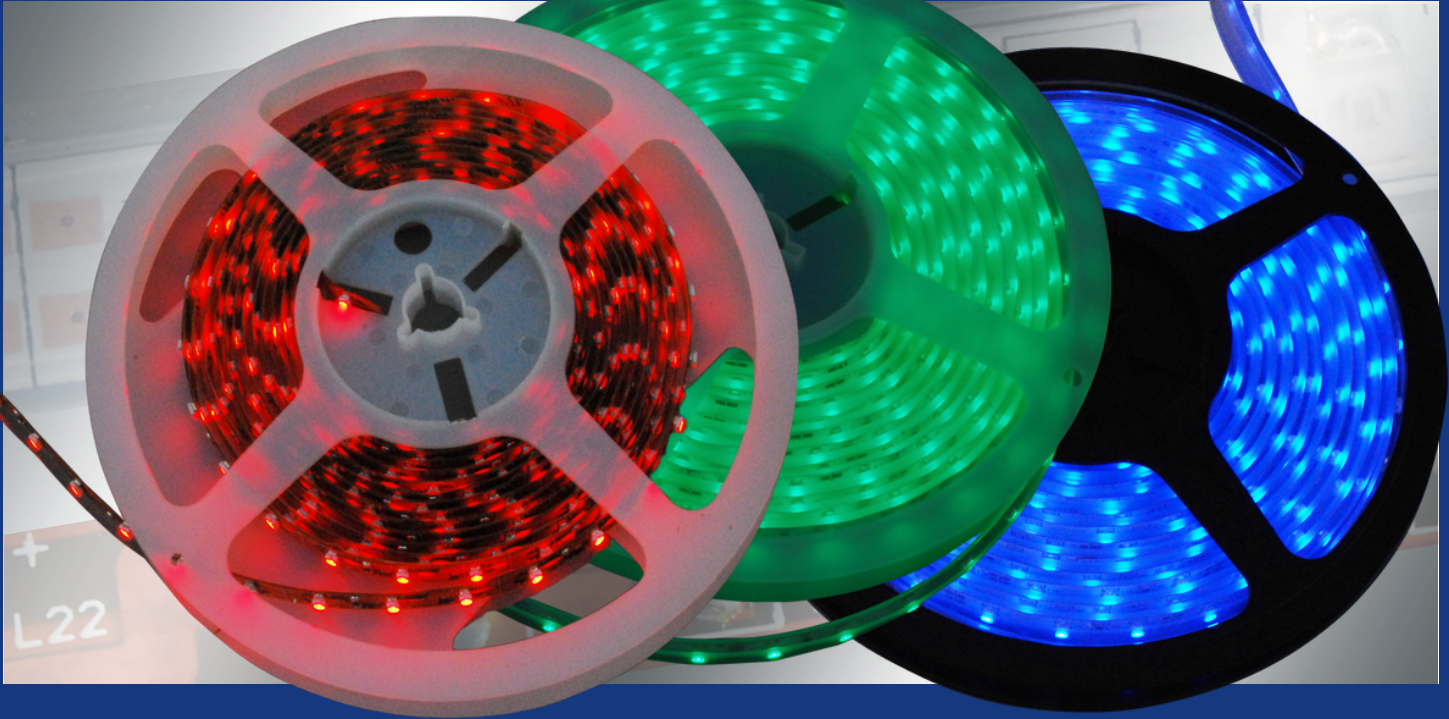




Sorenson Lighted Controls
Illuminating Innovation™

RF Flex Lite

New Product Release



Features

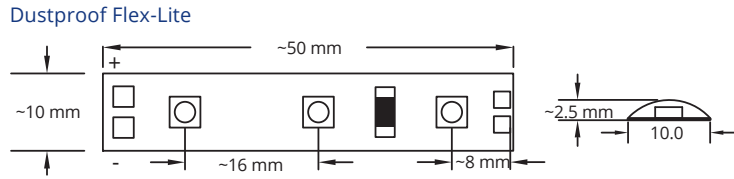
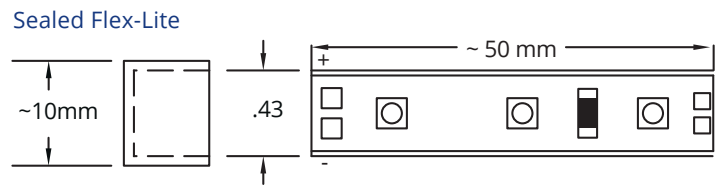
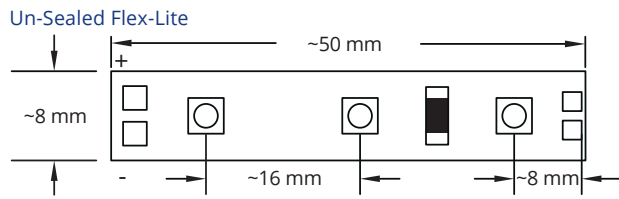
- UL, CE and RoHS compliant
- Available sealed, unsealed and dustproof • IP 67 Sealing (Sealed Model)
- IP 65 (dustproof model)
- Long Life – over 50,000hrs
- UV resistant
- Extremely high luminous flux with a wide viewing angle (120 Degrees)
- PCB Color - Standard
 - Sealed: White
 - Unsealed: Brown
 - 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

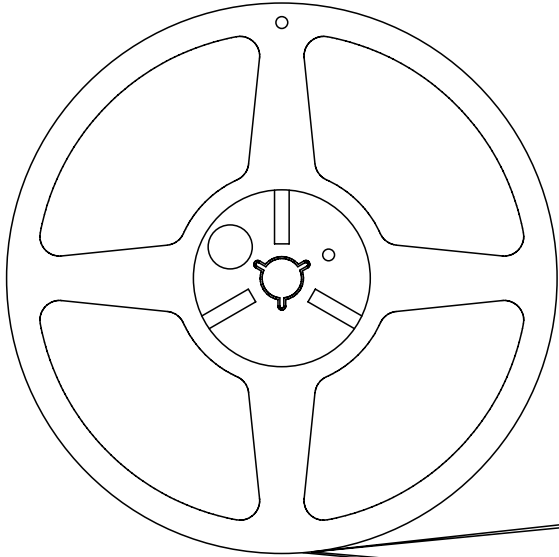
Note: If you are using the cut sections of the RF, 30 W power supply is possible. Calculate the total length using the following formula

| | | |
|-----------------|--------------|---------------------------|
| 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 | |

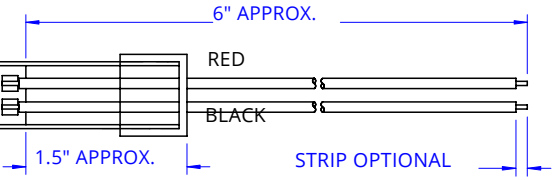
Ordering Format

| 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.



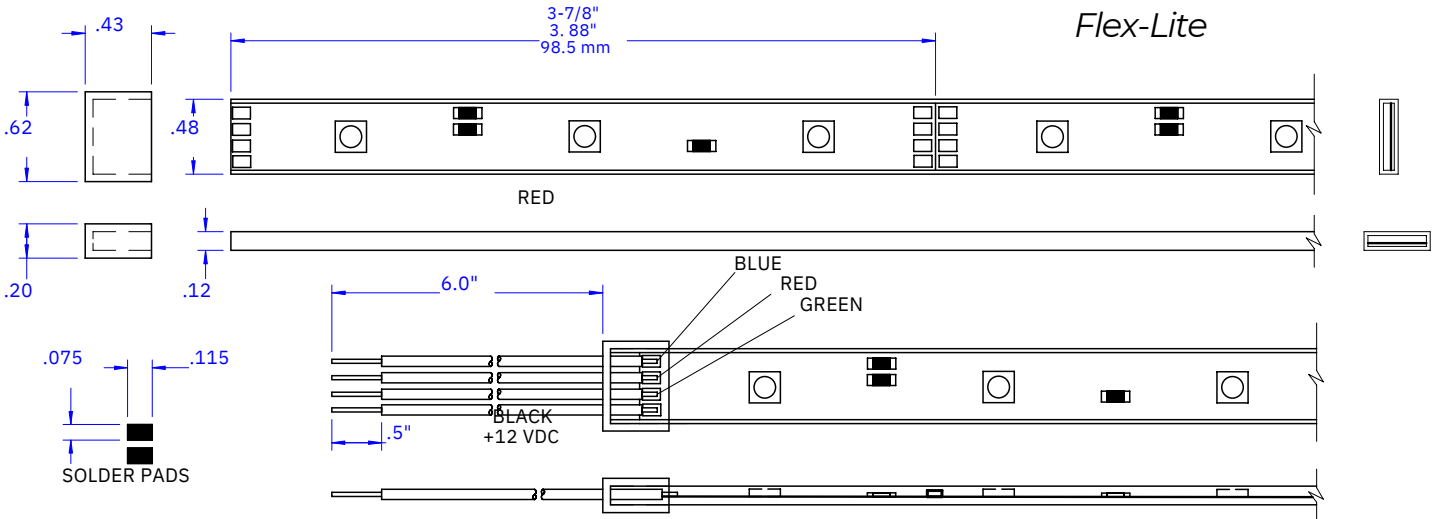
| Reel Size | Product Length | Accessories |
|-----------|----------------|---|
| 7" | 5 m. (~192") | 2 5gr. tubes sealant 5 Wire-end caps 5 Closed-end caps 8 Mounting clips |
| 13" | 10 m. (~394") | 4 5gr. tubes sealant 10 Wire-end caps 10 Closed-end caps 16 Mounting clips |



| | | | | | | |
|--|---|--------|---|--|---|--------------------------|
| MATERIAL | | 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. DRAWN: WRS DATE: 05/14/08 CHECKED: MLA DATE: 05/14/08 APPVD: DATE: | | TITLE RF(Flex-Lite) Packaging Information | |
| | PROJECTIONS DIMENSIONS IN (mm) | | | | SIZE: A | DWG NO.: Catalog Drawing |
| | | | | | | REV.: B |
| | | | | DATE: 04/27/09 | | |

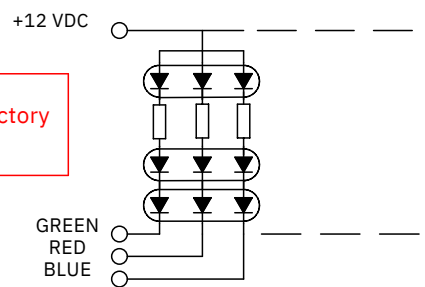
THIS DRAWING AND DIMENSION PROVIDED FOR REFERENCE ONLY

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 | |
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| | FRAC. $\pm 1/64$ X.XXX $\pm .005$ X.XX $\pm .01$ ANGLES $\pm 1^\circ$ | | DRAWN WRS | DATE 11/01/07 | |
| | PROJECTIONS DIMENSIONS | | CHECKED | DATE | DATE |
| IN (mm) | | APPVD | DATE | DATE | |