



Sorenson Lighted Controls
Illuminating Innovation™

RH 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 3A at 12V (per reel)
 - 5050 SMD LED
 - Max Watts: 36
- 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
- Sealed double back tape mounting for unsealed and dustproof

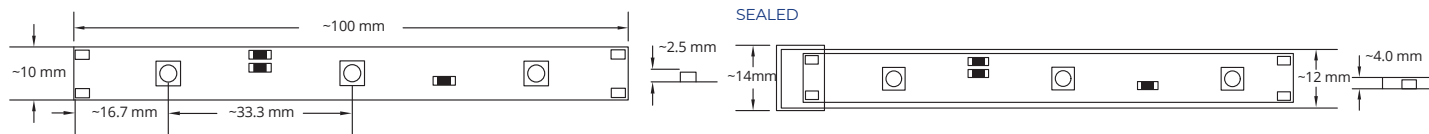
For Information:

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sales@solico.com • www.solico.com

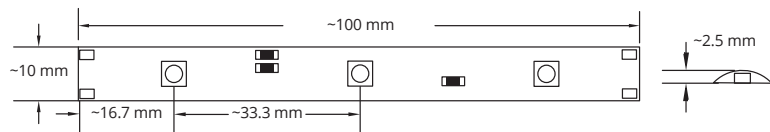
RH Flex Lite

UNSEALED



Max height ~4mm

DUSTPROOF



- Standard length per reel is 5M (16 ft) • 150 LED's per reel
- Cut length 100mm
- Wire gauge, 20 ga

Typical Data on a 12 inch cut section

Total Length in inches (~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	9	Red	180mA	2.16 W	630 nm	900mcd	8100mcd
"	9	Green	A	2.16 W	525 nm	2000mc	18,000mc
12	9	Blue	180mA	2.16 W	470 nm	d	d
"	9	Yellow	A	2.16 W	596 nm	600mcd	5400mcd
12	9	Warm White	180mA	2.16 W	3000-3500K	1000mc	9000mcd
"	9	White	A	2.16 W	5000-5500K	d	122Lm's
12	9	Pure White	180mA	2.16 W	6000-6500K	13.5Lm's	122Lm's
"			A			14.5Lm's	131Lm's

Recommended Accessories - Sealed Flex Lite only

Cap Accessories	Description
RG-WIRCAP-010	Wire Cap for RH RU series single color
RG-ENDRGB-000	End Cap without hole
RG-MTGRGB-000	RH RU flexible strip mounting bracket

Power Accessories *

Recommended Waterproof Power Supply	Recommended Non-Waterproof Power Supply
RG-PC12V5-1101 Reel - 16 Feet	RG-P12V5A-AD0 1 Reel - 16 Feet
RG-PC12V8-1102 Reel - 32 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 RH, 30 W power supply is possible. Calculate the total length using the following formula

RG-PC12V2.5-110	1 ft =	12V 2.5 Amps WaterProof
RG-P12V3A-AD0	2.16Watts 1 ft	12V 3.0 Amps Non-WaterProof
	= 2.16Watts	

Ordering Format

<u>XX</u>		<u>XX</u>		-	<u>X</u>	-	<u>X</u>	<u>X</u>	-	<u>XXX</u>	-	<u>X</u>	<u>XXX</u>		
RH	Voltage	Type	Code	Style	Code	Length	Code	Color	Code	Red1	Length	In	Type	Code	Code
14	LED	28	12	Unsealed	U	h	6	L	Green	4	Blue	5	Inches	192	(1
LED			13	Sealed	S	inch			Yellow	8	Warm		Reel)	Reel	Assembly
				Dustproof	D				White6	White	W				
									Pure	WhiteP					

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

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Electrical / Optical Characteristics

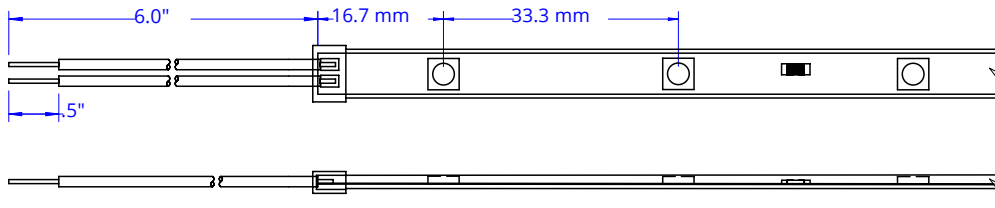
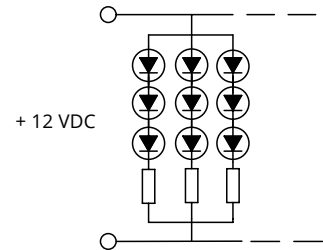
Operating Voltage:12 VDC \pm 5%
Power:< 15.8 Watts
Conditions:Outdoor or Indoor use
PCB: Flexible
Luminous Flux:6 - 10 lm / LED
Color Temperature:6000K Pure White
3000K Warm White
Viewing Angle:120° - 160°
Power Supply:Supplies 1 Reel

Mechanical Characteristics

Maximum Connections:5 meters (1 reel)
Cutting Specifications:Each 3-LED section (~3.9")
LED Spacing:33mm (~1.3")
LED Type:SMD 5050
Reel Length:5 meters (~16 feet) 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



MATERIAL		FINISH		SOREN SONLIGHTED CONTROLS, INC. Hartford, Connecticut		
PROPRIETARY NOTICE NOTICETOALLPERSONSRECEIVINGTHIS DRAWING.THISDOCUMENTISTHESOLE 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 SOREN SONLIGHTED CONTROLS, INC.	UNSPECIFIED TOLERANCES		TOOL NO.		TITLE	
	FRAC. $\pm 1/64$ X.XXX $\pm .005$ X.XX $\pm .010$ ANGLES $\pm 1^\circ$		DRAW N WRS DATE 02/20/09		HIGH BRIGHT FLEXLITE, SEALED	
	PROJECTIONS DIMENSIONS		CHECKD DATE		SIZE A	DWG NO. RH-12S Series REV.
	IN (mm)		APPVD DATE		USED ON	SCALE SHT OF