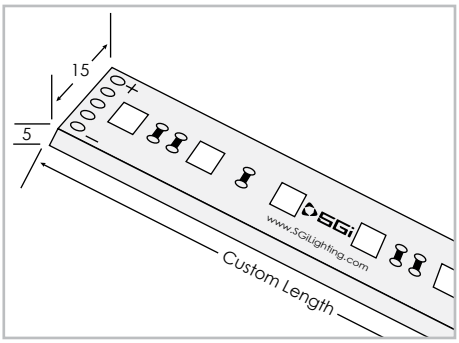
LED Flex Light

UltraBright 4.4 Watt RGBW IP68

High Output - UltraBright 4.4 Watt RGBW IP68

SGi LIGHTING INC.

LED Flex Light • UltraBright 4.4 Watt RGBW IP68



Dimensions in millimeters

Length	Custom Length cuttable every 4.0"(101.6 mm)
Operating Voltage	24V DC
Finish (fin)	Rugged – silicone injected, available in: WHTC White PCB Clear Housing WHTF White PCB Frosted Housing BLK Black PCB[1] Clear Housing
Light Colour (lc) Correlated Colour Temperature (CCT)	RGBW2700K Colour Changing with 2700K RGBW3000K Colour Changing with 3000K RGBW4000K Colour Changing with 4000K RGBW5000K Colour Changing with 5000K Also available in Whites and Single Colours Please see individual product spec sheets
Beam Angle (ba) Degrees	120°
Light Output Lumens	RGBW3000K 338.2 per foot RGBW4000K 393.2 per foot RGBW5000K 420.7 per foot
IP Rating	IP68
Dimension Width, Height, Length	W 0.590" 15 mm H 0.197" 4 mm L Specify maximum length in inches
Watts	4.4 Watts per foot
Input Voltage	AC 100V – 240V, 277V external transformer
Dimmable	Yes With dimmable transformer ELV, Phase or 0-10V. Please specify at time of order.
Operating Temperature	–25°C to +50°C –13°F to 122°F
Life Lumen Maintenance	50,000 hours

Recommended Install

No track. Silicone mount LED Flex lights to dry surface. Let silicone cure for 24 hours before submersing the lights.

Part Number Configuration

FLEX	**ULTRA_4.4W-IP68**	**24VDC**		

Category	Family (fam)	Operating Voltage	Finish (fin)	Light Colour (lc)
FLEX	**ULTRA_4.4W-IP68**	**24VDC**	**WHTC** White Clear **WHTF** White Frosted **BLKC** Black Clear	**RGBW2700K** **RGBW3000K** **RGBW4000K** **RGBW5000K**

[1] SPECIAL ORDER. Please confirm availability. Allow for 4 – 6 weeks lead time.

2883 Portland Drive,Oakville, ON, L6H 5S4, Tel.: 1.877.LED.2DAY (1 877.533.2329)

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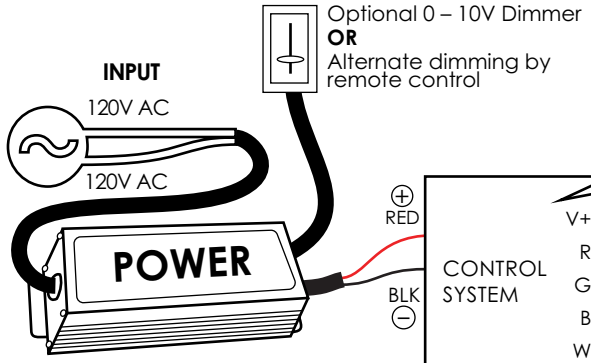
LED Flex Light • UltraBright 4.4 Watt RGBW IP68 • Wiring

LED FLEX – RGBW WIRING

To Start:

You will need:
- SGi LED Transformer(s)
- SGi LED Control System(s)
- SGi LED Flex Light Strip(s)
- 18 AWG 5 conductor shielded cable



Contoller options available:
- Multi-zone RGBWCCT
- DMX Decoder
- Advanced DMX
- Dali

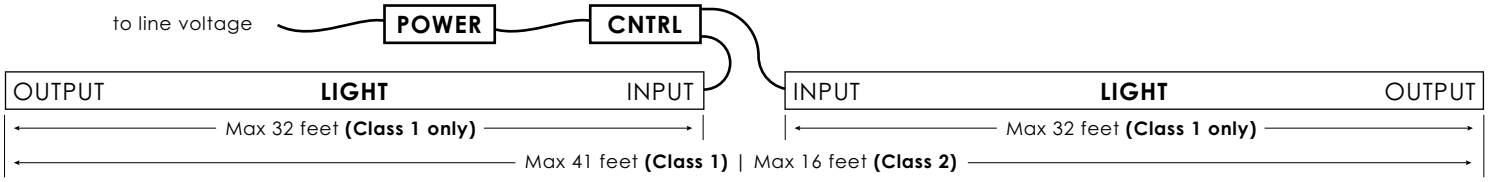
See control systems diagrams for details

* Dimmer switch is wired off of power supply, if installation requires dimming options. Non-dimmable drivers are available

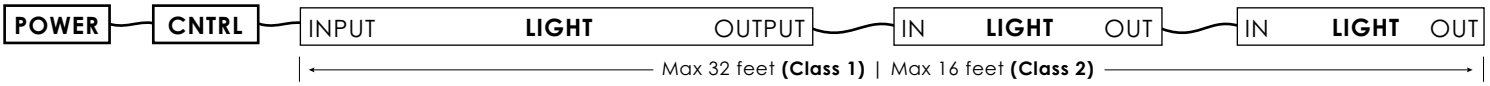
LED FLEX – WIRING CONFIGURATION EXAMPLES

The following illustrations are guides only. They are here to introduce general wiring configurations. See wattage chart below for more information on maximum run lengths.

HOMERUN mulitiple light strips back to the power supply. Maximum light length is 32 feet on Class 1 transformers.



CUSTOMIZE with small jumpers to incorporate unique lengths into run. Homerun back to power supply after 32 ft (Class 1 only).



FLEX-ULTRA_4.4W-24VDC-fin-Ic – POWER-21-24VDC-watt DIMMABLE

Power Supply	20 Watt Class 2	40 Watt Class 2	60 Watt Class 2	96 Watt Class 2	150 Watt Class 1	200 Watt Class 1	300 Watt Class 1
Max ft of light	2 ft	5 ft	8 ft	13 ft	20 ft	27 ft	41 ft*
Max cable distance between power & light	12AWG >300ft 14AWG 238ft 16AWG 149ft 18AWG 94ft	12AWG 189ft 14AWG 119ft 16AWG 74ft 18AWG 47ft	12AWG 126ft 14AWG 79ft 16AWG 49ft 18AWG 31ft	12AWG 68ft 14AWG 43ft 16AWG 27ft 18AWG 17ft	12AWG 46ft 14AWG 29ft 16AWG 18ft 18AWG 11ft	12AWG 35ft 14AWG 21ft 16AWG 13ft 18AWG 9ft	12AWG 23ft 14AWG 14ft 16AWG 9ft 18AWG 6ft

* Every 32 linear feet of light must be home-run to transformer. **All installations in North America must follow Class 2 requirements.

[1]At 80% capacity

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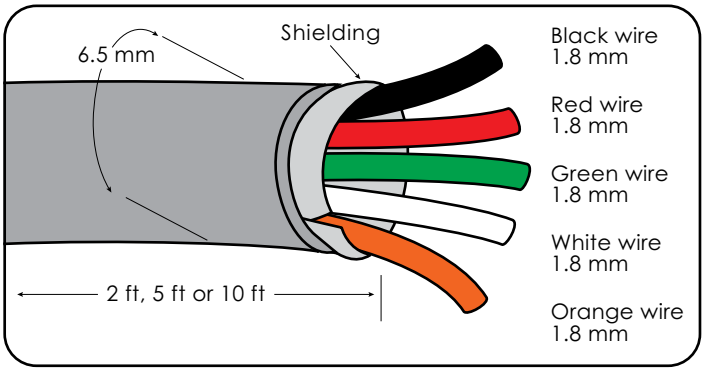
LED Flex Light • UltraBright 4.4 Watt RGBW IP68 • Cable Options

Cable for RGBW – **only available in Hardwire option**
Select 2 Ft, 5 Ft or 10 Ft cable leads

Hardwire

CABLE LEADS USE:
18AWG 5 Conductor Shielded Cable | CABLE-18AWG-GRY-5S



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UltraBright 4.4 Watt RGBW IP68

With SGi's UltraBright 4.4 Watt RGBW IP68, achieve two completely different (but equally beautiful) looks in a single rugged housing. UltraBright 4.4 Watt RGBW IP68 provides breathtaking RGB hues and also offers a sophisticated warm white, all on the same submersible LED strip. Enjoy the freedom of switching between colour changing excitement and a dignified 5000K, 4000K, 3000K or 2700K colour temperature.

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