



the LED lighting source™

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15 Brownridge Rd. Unit 6, Halton Hills, ON L7G 0C6 • 905-487-8192 • 1-877-LED-2DAY • SGiLighting.com

Project: \_\_\_\_\_

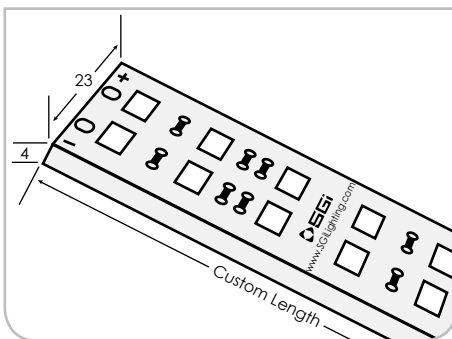
Client: \_\_\_\_\_

Part #: FLEX - P - EXTREME - 24VDC - fin - lc - cri

Date:      /      /      Qty:     

SPECIFICATION

## LED Flex Light • ExtremeBright



<b>Operating Voltage (ov)</b>	24V DC		
<b>Finish (fin)</b>	Rugged – silicone injected, available in: WHT White PCB BLK Black PCB*		
<b>Light Colour (lc)</b> Correlated Colour Temperature (CCT)	2700K	Incandescent White	
	3000K	Warm White	
	3500K	Sand White	
	4000K	Neutral White	
	5000K	Cool White	
	Specify Kelvin (K) for other CCTs*		
	R Red*	G Green*	B Blue* A Amber*
<b>Beam Angle (ba) Degrees</b>	120°		
<b>Light Output</b> Lumens (at 85 CRI)	2700K	679.6	per foot
	3000K	708.4	per foot
	3500K	737.2	per foot
	4000K	793.8	per foot
	5000K	854.9	per foot
<b>CRI (cri) Colour Rendering Index</b>	85	95*	
<b>IP Rating</b>	IP67		
<b>Dimension</b> Width, Height, Length	W	0.905"	23 mm
	H	0.157"	4 mm
	L	Specify maximum length in inches	
<b>Watts</b>	8.8W per foot		
<b>Input Voltage</b>	AC 100V – 240V, 277V, 347V external transformer		
<b>Dimmable</b>	Yes With dimmable transformer MLV, ELV or 0-10V. Please specify at time of order.		
<b>Operating Temperature</b>	-25°C to +50°C -13°F to 122°F External heatsinking not required		
<b>Life</b> Lumen Maintenance	50,000 hours		

### Part Number Configuration – FLEX-P-EXTREME-ov-fin-lc-cri

Category	Grade	Family	Operating Voltage (ov)	Finish (fin)	Light Colour (lc)	CRI (cri)
FLEX	P- Professional	EXTREME	24VDC	WHT White BLK Black*	2700K IW 3000K WW 3500K SW 4000K NW 5000K CW R* G* B* A*	85 95*

\* Available on special order



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INSTALLATION

## LED Flex Light • ExtremeBright • Wiring

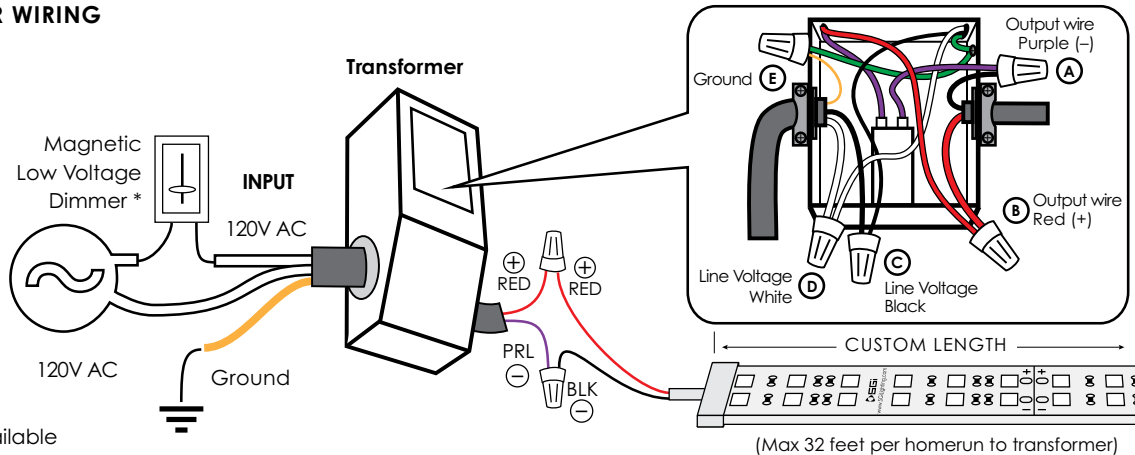
### LED FLEX – SINGLE COLOUR WIRING

#### To Start:

##### You will need:

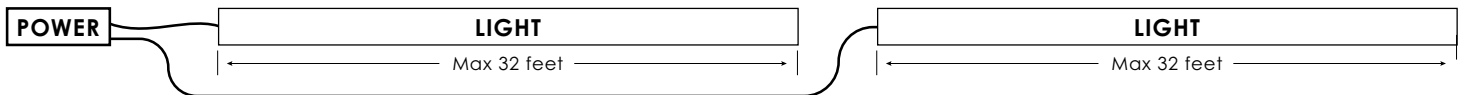
- Marettes
- Clear silicone
- SGI LED Transformer(s)
- SGI LED Flex Light Strip(s)
- 12 to 18 AWG 2 conductor shielded cable

\* Non-dimmable drivers are available

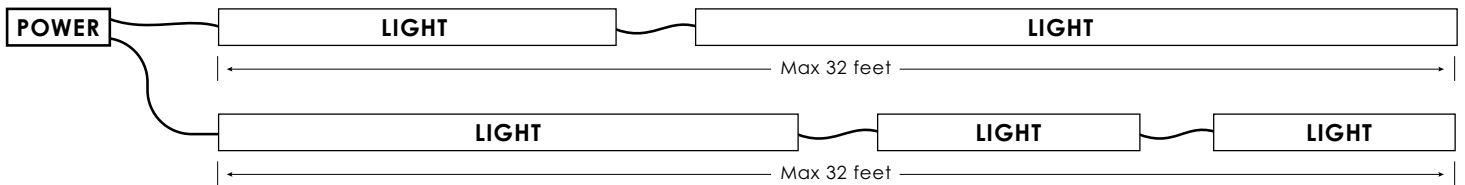


### LED FLEX – WIRING CONFIGURATION EXAMPLES

The following illustrations are guides only. They are here to introduce general wiring configurations.



Homerun back to the power supply once LED Flex light reaches 32 feet



Customize with small jumpers to incorporate unique lengths into run. Homerun to power once run reaches 32 feet.

### FLEX-EXTREME-ov-fin-lc – POWER-36-24VDC-watt DIMMABLE (12VDC Power options available)

	20 Watt	40 Watt	60 Watt	96 Watt	150 Watt	200 Watt	300 Watt
<b>Max linear ft</b>	1 ft	3 ft	5 ft	8 ft	13 ft	18 ft	27 ft
<b>Max cable distance between power &amp; light</b>	12AWG >300ft	12AWG 189ft	12AWG 126ft	12AWG 68ft	12AWG 46ft	12AWG 35ft	12AWG 23ft
	14AWG 238ft	14AWG 119ft	14AWG 79ft	14AWG 43ft	14AWG 29ft	14AWG 21ft	14AWG 14ft
	16AWG 149ft	16AWG 74ft	16AWG 49ft	16AWG 27ft	16AWG 18ft	16AWG 13ft	16AWG 9ft
	18AWG 94ft	18AWG 47ft	18AWG 31ft	18AWG 17ft	18AWG 11ft	18AWG 9ft	18AWG 6ft

\* Every 32 linear feet of light must be home-run to a transformer.