



the LED lighting source  
COMMERCIAL • LANDSCAPE • ARCHITECTURAL • RESIDENTIAL

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

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

Part #: FLEX-P-ULTRA-ov-fin-RGB

Date: \_\_\_\_\_ dd / mm / yyyy Qty: \_\_\_\_\_

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INSTALLATION

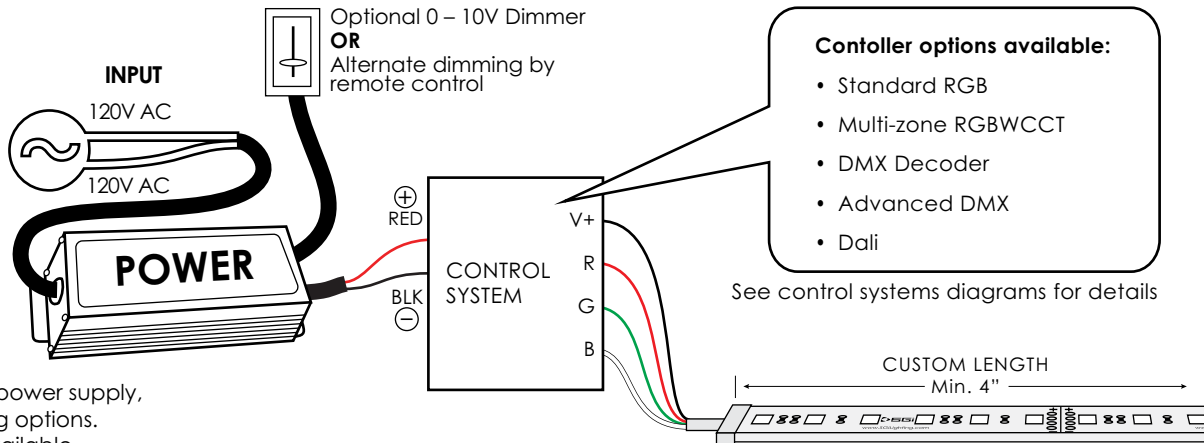
# LED Flex Light • UltraBright RGB • Wiring

## LED FLEX – RGB WIRING

### To Start:

#### You will need:

- SGi LED Transformer(s)
- SGi LED Control System(s)
- SGi LED Flex Light Strip(s)
- 18 AWG 4 conductor shielded cable

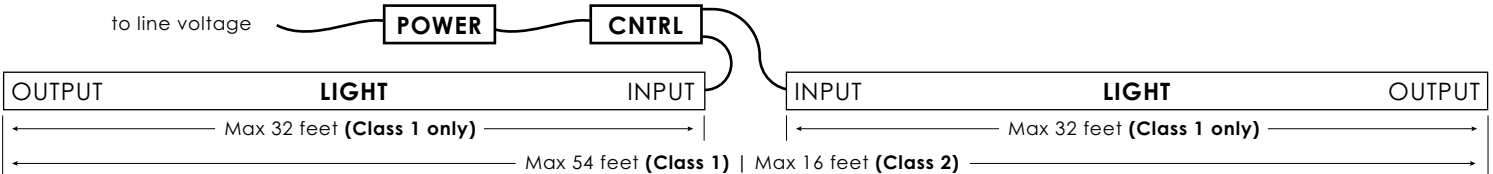


\* Dimmer switch is wired off of power supply, if installation requires dimming options. Non-dimmable drivers are available

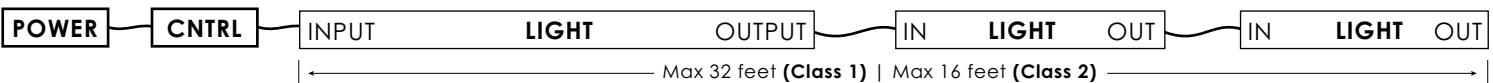
## LED FLEX – WIRING CONFIGURATION EXAMPLES

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** multiple 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-P-ULTRA-ov-fin-RGB – POWER-21-24VDC-watt DIMMABLE** (12VDC Power options available)

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	3 ft	7 ft	10 ft	17 ft	27 ft	36 ft*	54 ft*
Max cable distance between power & light	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 transformer.