LED Flex Light
UltraBright 4.4 Watt RGB IP68

High Output - UltraBright 4.4 Watt RGB IP68

SGi
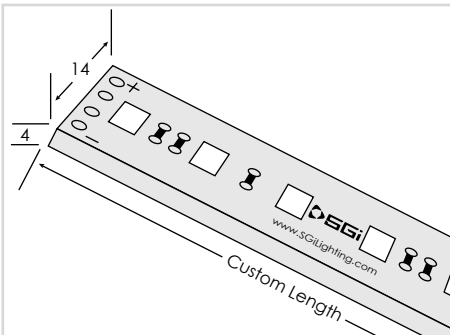LIGHTING INC.

SGi
LIGHTING INC.

LED Flex Light • UltraBright 4.4 Watt RGB IP68

Length	Custom Length² cuttable every 4.0"(101.6 mm)
Operating Voltage	24V DC
Finish (fin)	WHTC Clear White WHTF Frosted White¹ BLKC Clear Black¹
Light Colour (lc) Correlated Colour Temperature (CCT)	RGB Colour Changing Also available in Whites and Single Colours Please see individual product spec sheets
Beam Angle (ba) Degrees	120°
Light Output Lumens	RGB White 336.6 per foot
IP Rating	IP68¹
Dimension Width, Height, Length	W 0.551" 14 mm H 0.157" 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 MLV, ELV, Phase or 0-10V. Please specify at time of order. Sold separately.
Operating Temperature	–25°C to +50°C –13°F to 122°F
Life Lumen Maintenance	50,000 hours
Warranty	5 Years

Dimensions in millimeters

14

4

+
−

www.SGi

Custom Length

Recommended Tracks	LP2410	REC2421	UCH2428	GENIE_PROFILE-DOME

See track page for more compatible tracks. See individual track cutsheets for more details.

Part Number Configuration

FLEX	ULTRA_4.4W-IP68	24VDC		RGB

Category	Family (fam)	Operating Voltage (ov)	Finish (fin)	Light Colour (lc)
FLEX	ULTRA_4.4W-IP68¹	24V DC	**WHTC** Clear White **WHTF** Frosted White ¹ **BLKC** Clear Black ¹	RGB

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

LED Flex Light • UltraBright 4.4 Watt RGB IP68 • Track Options

Please visit our **products page** on our website to view all tracks, along with track specifications.

TRACK-LP1813-CST-fin-ln

TRACK-LP2410-CST-fin-ln

TRACK-LP2610-CST-fin-[OB/OD]

TRACK-REC2428-CST-fin-ln

TRACK-UCH2428-CST-fin-ln

TRACK-UCH2626-CST-fin-ln

GENIE_PROFILE-DOME-CST-fin-ln

Dimensions in millimeters.

SGi LIGHTING INC.
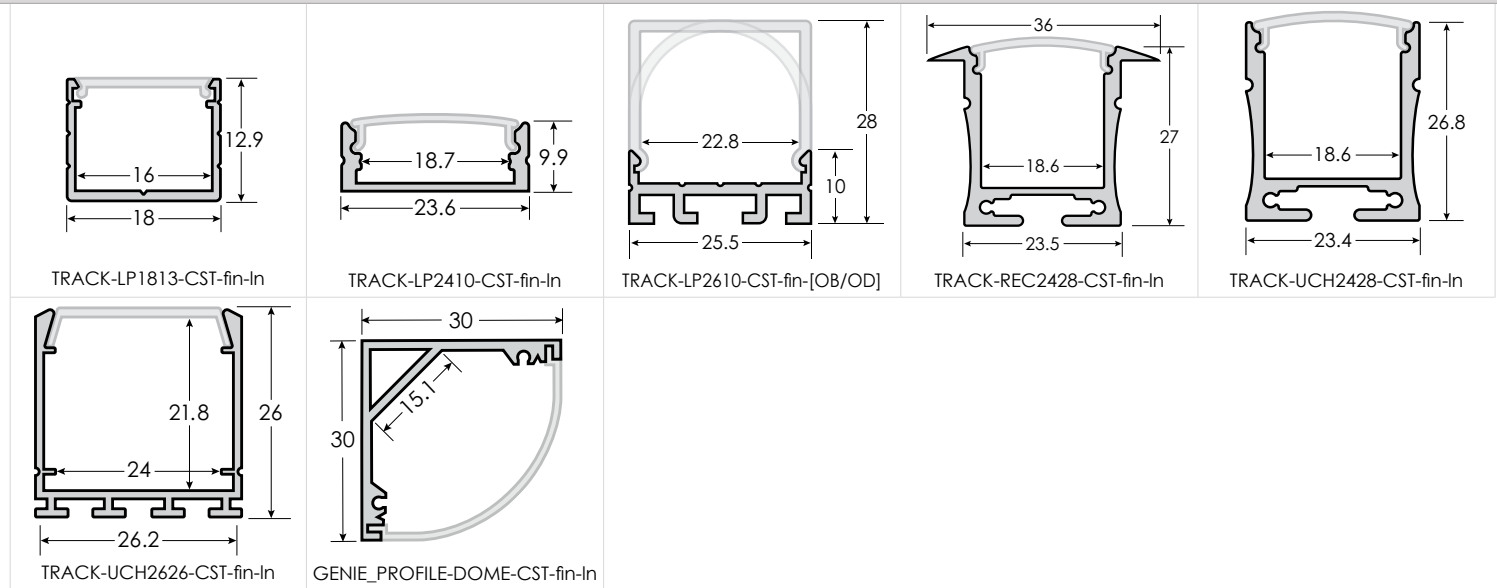
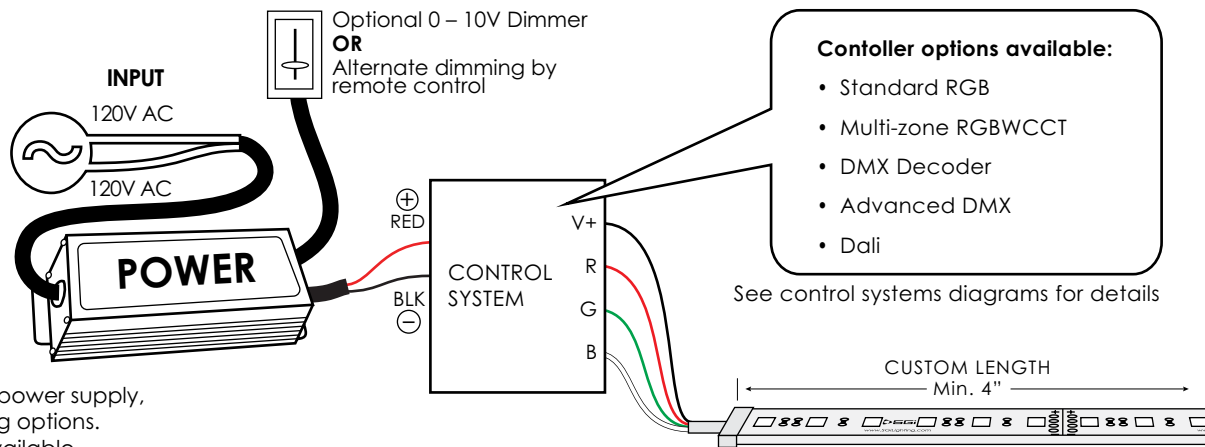# LED Flex Light • UltraBright 4.4 Watt RGB IP68 • Wiring

LED FLEX – RGB WIRING

To Start:

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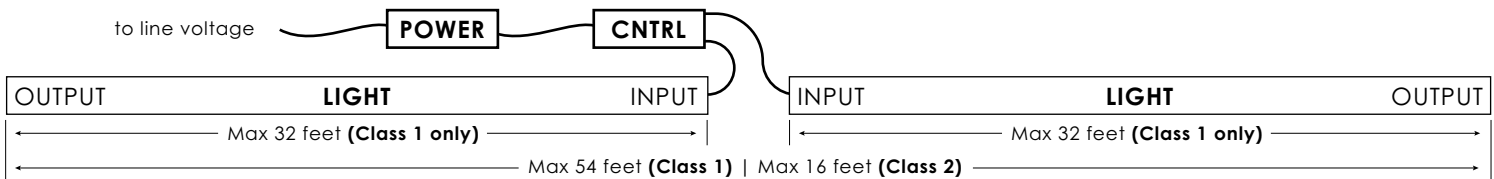- SGi LED Flex Light Strip(s)
- 18 AWG 4 conductor shielded cable

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

INPUT
120V AC
120V AC

POWER

Optional 0 – 10V Dimmer
OR
Alternate dimming by remote control

⊕ RED
BLK ⊖

CONTROL SYSTEM

V+
R
G
B

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

See control systems diagrams for details

CUSTOM LENGTH
Min. 4"

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.

to line voltage | POWER | CNTRL

| OUTPUT | **LIGHT** | INPUT | | INPUT | **LIGHT** | OUTPUT |

Max 32 feet **(Class 1 only)**   Max 32 feet **(Class 1 only)**

Max 54 feet **(Class 1)** | Max 16 feet **(Class 2)**

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

| **POWER** | **CNTRL** | INPUT | **LIGHT** | OUTPUT | IN | **LIGHT** | OUT | IN | **LIGHT** | OUT |

Max 32 feet **(Class 1)** | Max 16 feet **(Class 2)**

FLEX-ULTRA_4.4W-IP68-24VDC-fin-RGB – POWER-21-24VDC-watt DIMMABLE   (12VDC Power options available)

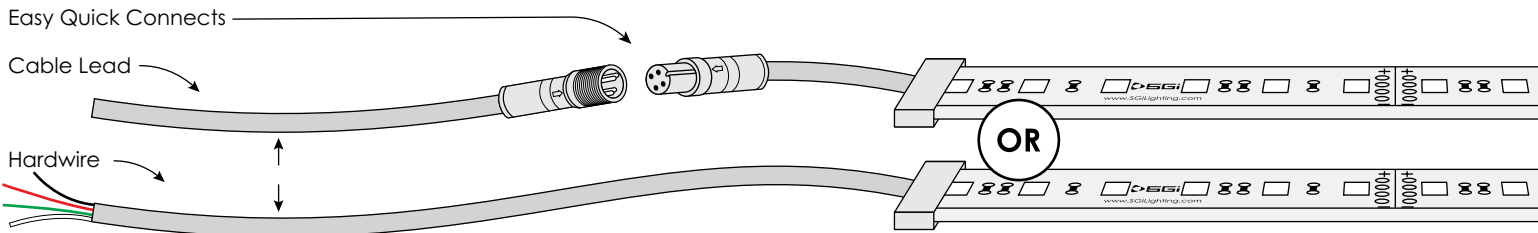| Power Supply	20 Watt class 2	40 Watt class 2	60 Watt class 2	96 Watt class 2	150 Watt class 1	200 Watt class 1	300 Watt class 1
[1]**Max ft of light**	3 ft	7 ft	10 ft	17 ft	27 ft	36 ft*	54 ft*
Max cable distance between power & light	12 AWG >300 ft 14 AWG 238 ft 16 AWG 149 ft 18 AWG 94 ft	12 AWG 189 ft 14 AWG 119 ft 16 AWG 74 ft 18 AWG 47 ft	12 AWG 126 ft 14 AWG 79 ft 16 AWG 49 ft 18 AWG 31 ft	12 AWG 68 ft 14 AWG 43 ft 16 AWG 27 ft 18 AWG 17 ft	12 AWG 46 ft 14 AWG 29 ft 16 AWG 18 ft 18 AWG 11 ft	12 AWG 35 ft 14 AWG 21 ft 16 AWG 13 ft 18 AWG 9 ft	12 AWG 23 ft 14 AWG 14 ft 16 AWG 9 ft 18 AWG 6 ft

* Every 32 linear feet of light must be home-run to transformer. **All installations in North America must follow Class 2 requirements.
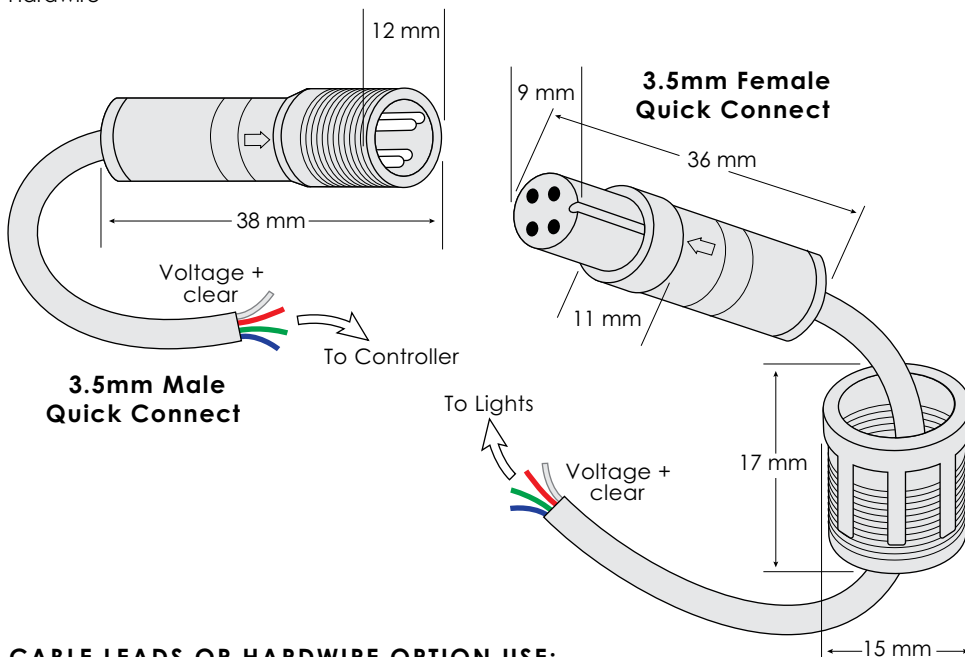[1]At 80% capacity

SGi
LIGHTING INC.
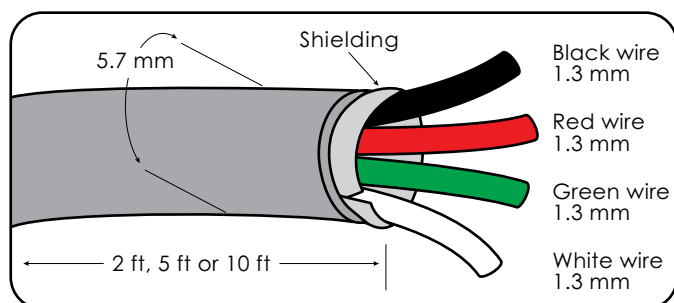
LED Flex Light • UltraBright 4.4 Watt RGB IP68 • Cable Options

Cable Options for Colour Changing – **Choose between Quick Connect or Hardwire option**
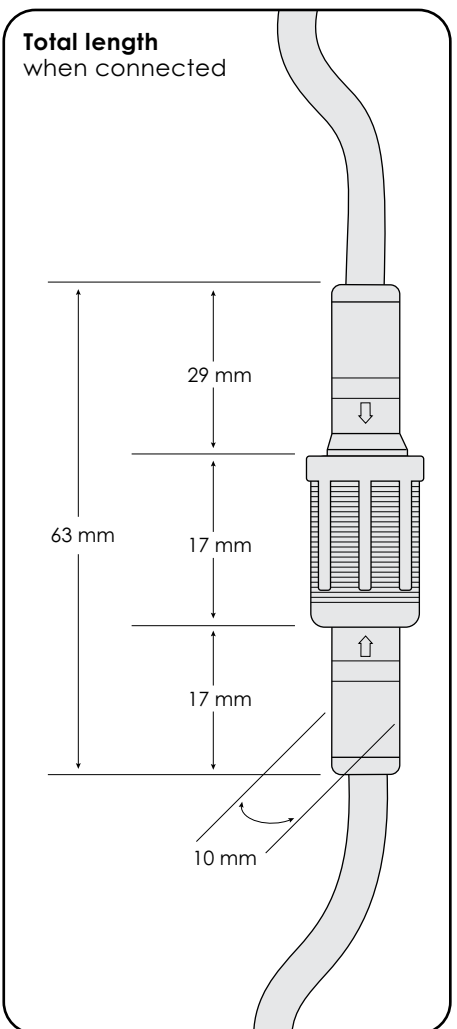**Choose between 2 Ft, 5 Ft or 10 Ft cable leads**

Easy Quick Connects

Cable Lead

Hardwire

OR

Hardwire

12 mm

38 mm

Voltage +
clear

To Controller

**3.5mm Male
Quick Connect**

9 mm

**3.5mm Female
Quick Connect**

36 mm

11 mm

To Lights

Voltage +
clear

17 mm

15 mm

Total length
when connected

29 mm

63 mm

17 mm

17 mm

10 mm

CABLE LEADS OR HARDWIRE OPTION USE:
18AWG 4 Conductor Shielded Cable | CABLE-18AWG-GRY-4S

5.7 mm

Shielding

Black wire
1.3 mm

Red wire
1.3 mm

Green wire
1.3 mm

2 ft, 5 ft or 10 ft

White wire
1.3 mm

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

LED Flex Light
UltraBright 4.4 Watt RGB IP68

SGi's UltraBright 4.4 Watt RGB IP68 is a versatile choice for unconventional and exciting lighting installations. UltraBright 4.4 Watt RGB IP68's small and compact size allows it to be hidden from view, perfect for unobtrusive underwater applications. Engineered to provide the highest possible quality available, UltraBright 4.4 Watt RGB IP68 is a great option for distinct and creative lighting designs. Available in a dazzling multi-colour colour changing RGB. Pair with LED Track to achieve a directional or diffused lighting effect.

SGi
LIGHTING INC.