LED Flex Light
ExtremeBright 11.2 Watt

SGi
LIGHTING INC.

Project

Type

Specification
SERIES

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LED Flex Light • ExtremeBright 11.2 Watt

Length	Custom Length² cuttable every 2.0"(50.8 mm)
Operating Voltage	24V DC
Finish (fin)	Bare board (no covering), available in: WHT White PCB BLK Black PCB¹
Light Colour (lc) Correlated Colour Temperature (CCT)	2700K Incandescent White 3000K Warm White 3500K Sand White 4000K Neutral White 5000K Cool White CST R Red, G Green, B Blue, A Amber³
Beam Angle (ba) Degrees	120°
Light Output Lumens (at 90 CRI)	2700K 1045.5 per foot 3000K 1100.5 per foot 3500K 1158.5 per foot 4000K 1216.4 per foot 5000K 1277.2 per foot
CRI (cri) Colour Rendering Index	90
IP Rating	IP33
Dimension Width, Height, Length	W 0.393" 10 mm H 0.05" 1.4 mm L Specify maximum length in inches
Watts	11.2 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

10
1.8
Custom Length

Dimensions in millimeters

Recommended Tracks	REC2428	UCH2428

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

Part Number Configuration

FLEX	EXTREME_11.2W	24VDC			90

| Category	Family (fam)	Operating Voltage	Finish (fin)	Light Colour (lc)	CRI (cri)
FLEX	EXTREME_11.2W	24VDC	**WHT** White **BLK** Black¹	**2700K** **3000K** **3500K** **4000K** **5000K** **CST³**	90

¹ SPECIAL ORDER. Please confirm availability. Allow for 4 – 6 weeks lead time. ² See Connections page(s) for more details.

³ SPECIAL ORDER: Available in single colour R Red, G Green, B Blue, A Amber.
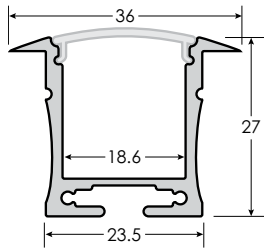
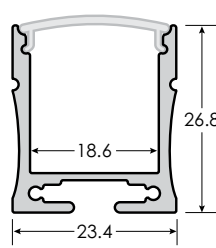# LED Flex Light • ExtremeBright 11.2 Watt • Track Options

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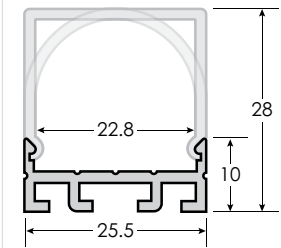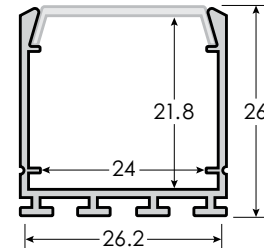

TRACK-LP2610-CST-fin-[OB/OD]

TRACK-REC2428-CST-fin-ln

TRACK-UCH2428-CST-fin-ln
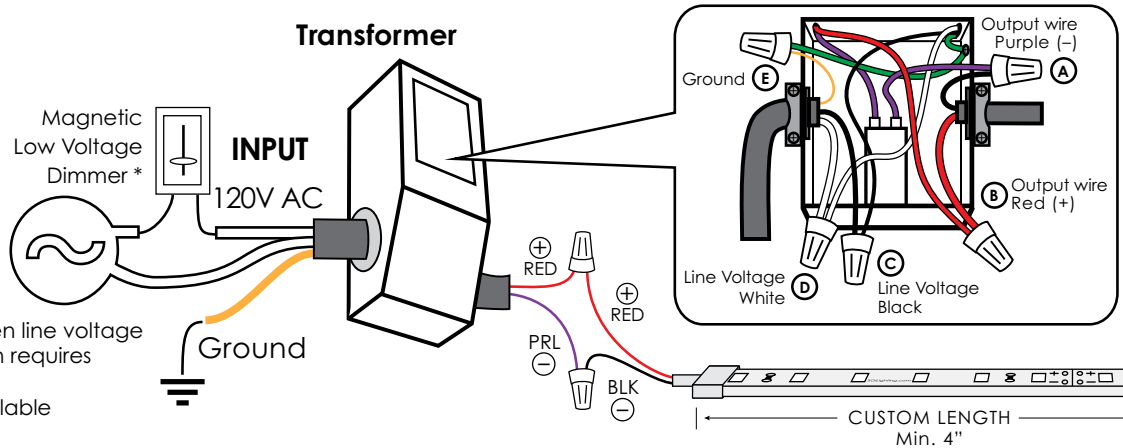

TRACK-UCH2626-CST-fin-ln

Dimensions in millimeters.

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LED Flex Light • ExtremeBright 11.2 Watt • Wiring

LED FLEX – SINGLE COLOUR WIRING

You will need:
- Marettes
- SGi LED Transformer(s)
- SGi LED Flex Light Strip(s)
- 18 AWG 2 conductor shielded cable

Transformer

Magnetic Low Voltage Dimmer *

INPUT 120V AC

Ground

* Dimmer switch is wired between line voltage and power supply, if installation requires dimming options.
Non-dimmable drivers are available

RED (+)
RED (+)
PRL (−)
BLK (−)

CUSTOM LENGTH Min. 4"

Ground — E
Output wire Purple (−) — A
Output wire Red (+) — B
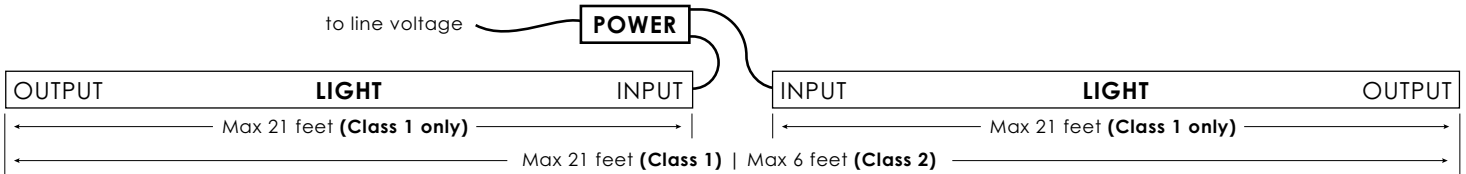Line Voltage White — D
Line Voltage Black — C

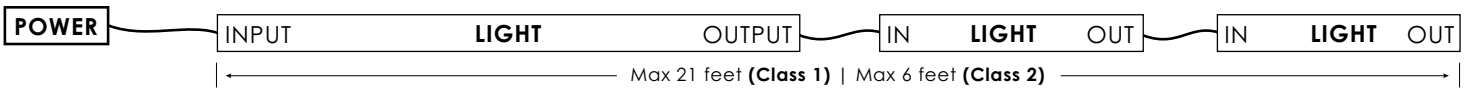## ALUMINUM TRACK REQUIRED FOR THIS PRODUCT

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 21 feet on Class 1 transformers.

to line voltage — **POWER**

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

Max 21 feet **(Class 1 only)**   Max 21 feet **(Class 1 only)**

Max 21 feet **(Class 1)** | Max 6 feet **(Class 2)**

CUSTOMIZE with small jumpers to incorporate unique lengths into run.

POWER

| INPUT | **LIGHT** | OUTPUT | IN | **LIGHT** | OUT | IN | **LIGHT** | OUT |

Max 21 feet **(Class 1)** | Max 6 feet **(Class 2)**

FLEX-EXTREME_11.2-24VDC-fin-lc-90 – POWER-36-24VDC-watt DIMMABLE

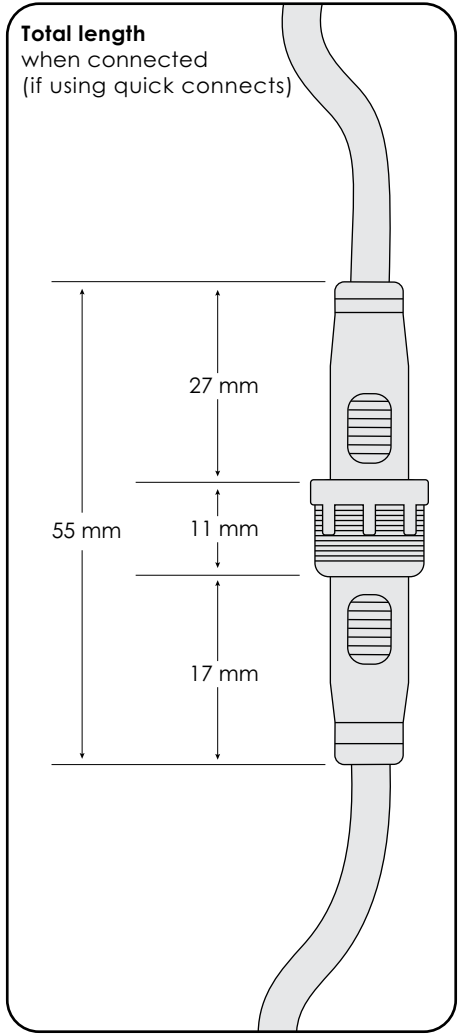| Power Supply	20 Watt class 2	40 Watt class 2	60 Watt class 2	96 Watt class 2	150 Watt class 1	200 Watt class 1	300 Watt class 1
[1]**Max ft of light**	1 ft	2 ft	4 ft	6 ft	10 ft	14 ft	21 ft
Max cable distance between power & light	12 AWG >300 ft 14 AWG 238 ft 16 AWG 149 ft 18 AWG 94 ft	12 AWG 189 ft 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

**All installations in North America must follow Class 2 requirements. [1]At 80% capacity
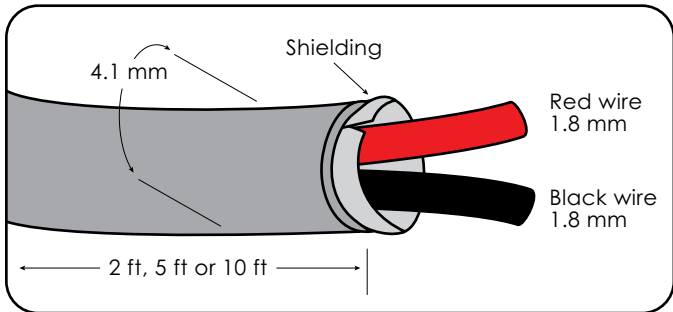
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LED Flex Light • ExtremeBright 11.2 Watt • Cable Options

Cable Options for Single Colour – **Choose between Quick Connect or Hardwire option**
Choose between 5 Ft, 10 Ft, 15 Ft or 30 Ft cable leads

Easy Quick Connects
Cable Lead
Sold separately* - 5ft, 10ft, 15ft, 30ft

Hardwire

OR

10 mm

34 mm

Clear
Negative –

To Lights

White Stripe
Positive +

**3.5mm Female
Quick Connect**

**3.5mm Male
Quick Connect**

36 mm

10 mm

To Transformer

Clear
Negative –

11 mm

White stripe
Positive +

14 mm

Total length
when connected
(if using quick connects)

27 mm

55 mm   11 mm

17 mm
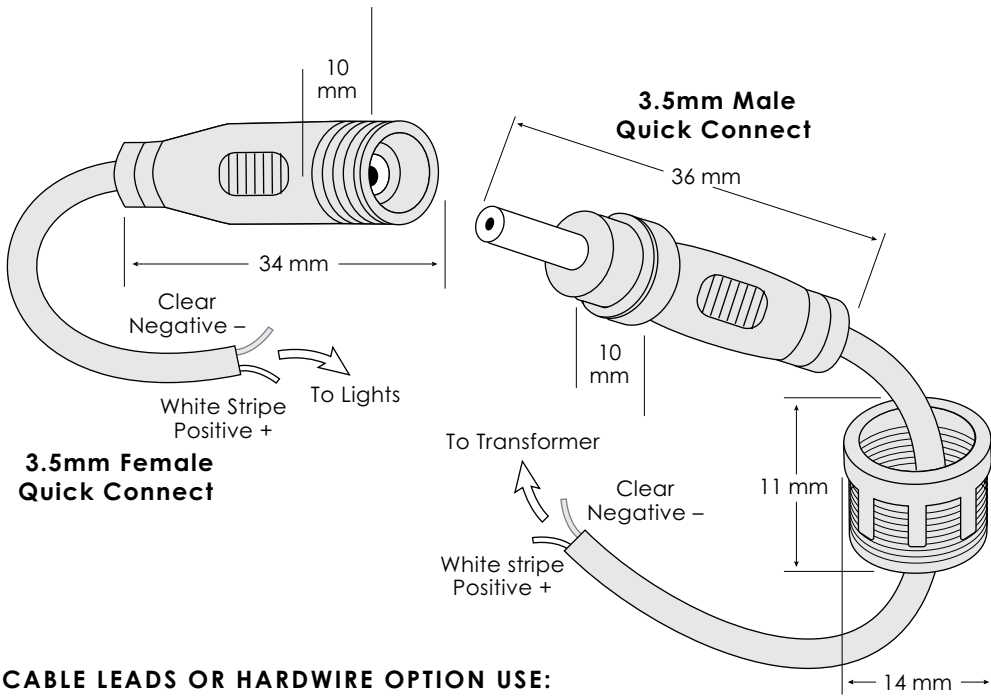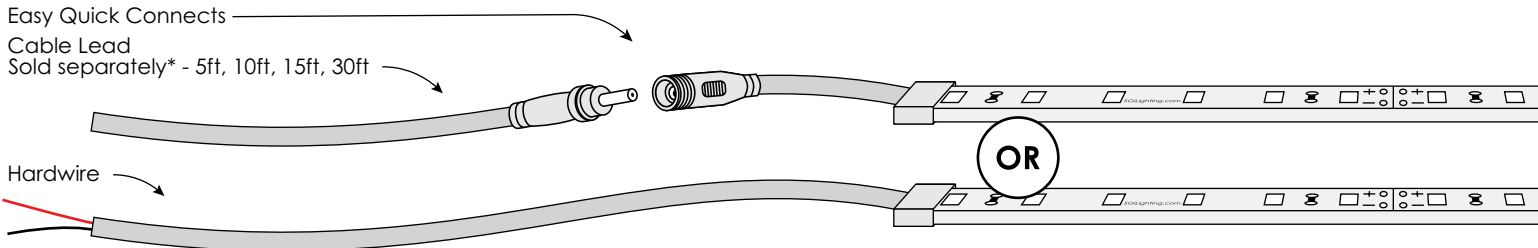
CABLE LEADS OR HARDWIRE OPTION USE:
18AWG 2 Conductor Shielded Cable | CABLE-18AWG-GRY-2S

Shielding

4.1 mm

Red wire
1.8 mm

Black wire
1.8 mm

2 ft, 5 ft or 10 ft

* CABLE-POWER-5FT-3.5M03-18AWG-GRY-2SP
CABLE-POWER-10FT-3.5M03-18AWG-GRY-2SP
CABLE-POWER-15FT-3.5M03-18AWG-GRY-2SP
CABLE-POWER-30FT-3.5M03-18AWG-GRY-2SP

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ExtremeBright 11.2 Watt

SGi's ExtremeBright 11.2 Watt is our brightest Flex Light available and is perfect for lighting applications that need extraordinarily bright and radiant light, but still need the benefit of a compact and low profile design. ExtremeBright 11.2 Watt is perfect for task lighting, as the intense illumination improves the efficiency of high-function of work areas. Achieve spectacular lighting in any indoor installation, and be astounded by how much brightness is possible from such a small housing. Pair with LED Track to achieve a directional or diffused lighting effect.

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