LED Flex Light
RegularBright 3 Watt

SGi
LIGHTING INC.

Specification SERIES ᶜ(UL)ᵤₛ

SGi LIGHTING INC.

LED Flex Light • RegularBright 3 Watt

Length	Custom Length[2] cuttable every 4.0"(101.6 mm)
Operating Voltage	24V DC
Finish (fin)	Rugged – silicone injected, available in: WHT White PCB BLK Black PCB [1]
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 Amber[3]
Beam Angle (ba) Degrees	120°
Light Output Lumens (at 90 CRI)	2700K 223.7 per foot 3000K 232.6 per foot 3500K 241.8 per foot 4000K 261.5 per foot 5000K 277.6 per foot
CRI (cri) Colour Rendering Index	90
IP Rating	IP67
Dimension Width, Height, Length	W 0.472" 12 mm H 0.157" 4 mm L Specify maximum length in inches
Watts	3 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

Recommended Tracks	LP1813	GENIE_PROFILE-DOME

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

Part Number Configuration

FLEX	REG_3W	24VDC			90

Category	Family (fam)	Operating Voltage	Finish (fin)	Light Colour (lc)	CRI (cri)
FLEX	REG_3W	24VDC	**WHT** White **BLK** Black[1]	2700K 3000K 3500K 4000K 5000K CST [3]	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.

Specification SERIES c(UL)us

SGi LIGHTING INC.

LED Flex Light • RegularBright 3 Watt IP68

Length	Custom Length[2] cuttable every 4.0"(101.6 mm)
Operating Voltage	24V DC
Finish (fin)	WHTC Clear White WHTF Frosted White[1] BLKC Clear Black[1]
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 Amber[3]
Beam Angle (ba) Degrees	120°
Light Output Lumens (at 90 CRI)	2700K 223.7 per foot 3000K 232.6 per foot 3500K 241.8 per foot 4000K 261.5 per foot 5000K 277.6 per foot
CRI (cri) Colour Rendering Index	90
IP Rating	IP68[1]
Dimension Width, Height, Length	W 0.472" 12 mm H 0.157" 4 mm L Specify maximum length in inches
Watts	3 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

Recommended Tracks	LP1813	GENIE_PROFILE-DOME

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

Part Number Configuration

FLEX	**REG_3W-IP68**	**24VDC**		**90**

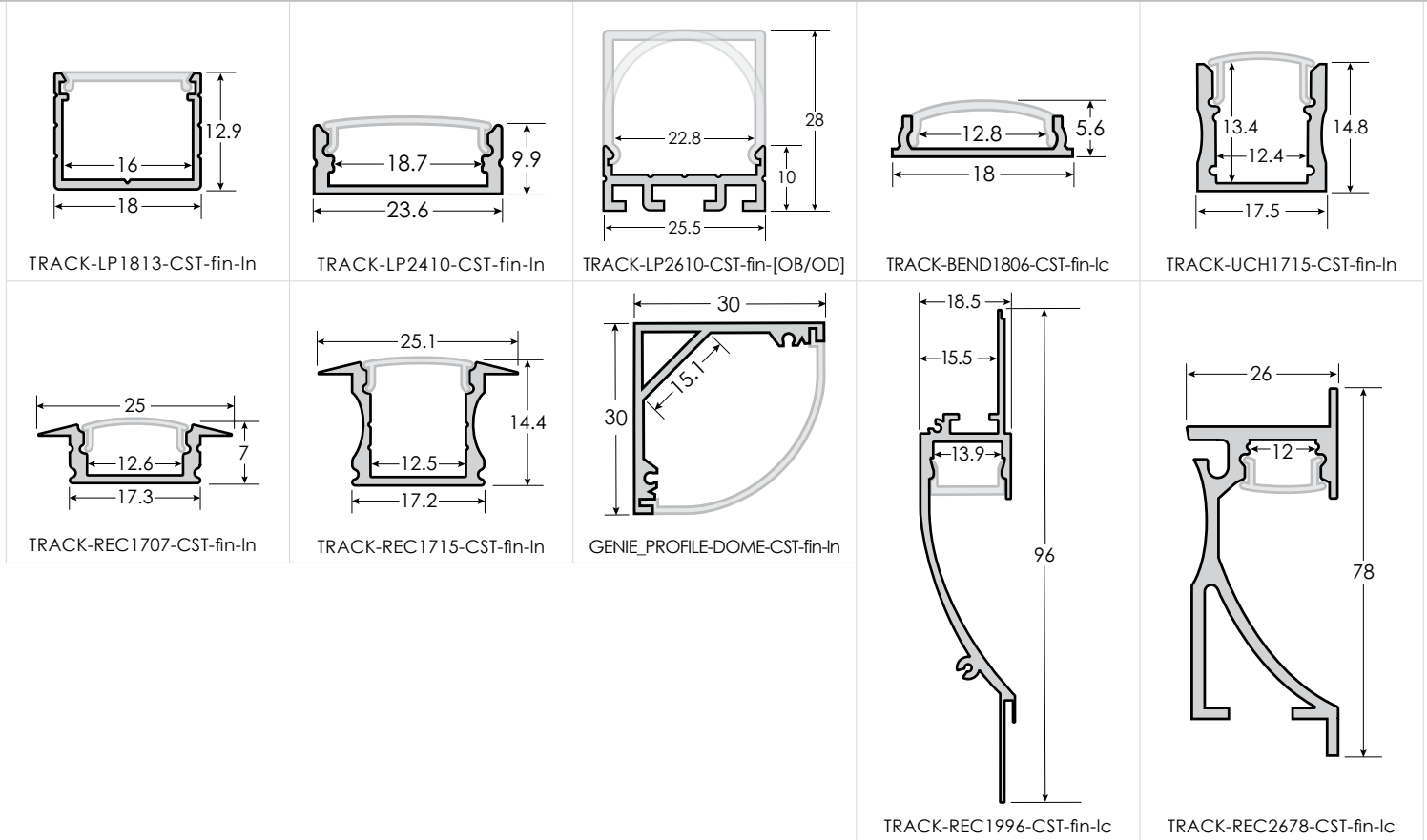| Category	Family (fam)	Operating Voltage	Finish (fin)	Light Colour (lc)	CRI (cri)
FLEX	REG_3W-IP68[1]	24VDC	**WHTC** Clear White **WHTF** Frosted White[1] **BLKC** Clear Black[1]	**2700K** **3000K** **3500K** **4000K** **5000K** **CST**[3]	90

[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 • RegularBright 3 Watt • Track Options

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


TRACK-LP1813-CST-fin-In

TRACK-LP2410-CST-fin-In

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

TRACK-BEND1806-CST-fin-Ic

TRACK-UCH1715-CST-fin-In

TRACK-REC1707-CST-fin-In

TRACK-REC1715-CST-fin-In

GENIE_PROFILE-DOME-CST-fin-In

TRACK-REC1996-CST-fin-Ic

TRACK-REC2678-CST-fin-Ic

Dimensions in millimeters.

SGi LIGHTING INC.

LED Flex Light • RegularBright 3 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

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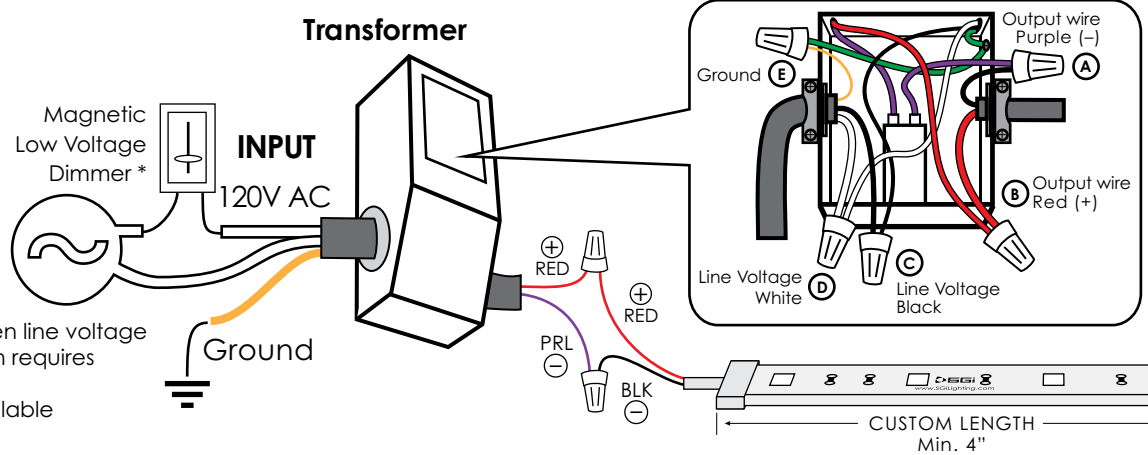
LED FLEX – WIRING CONFIGURATION EXAMPLES

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.
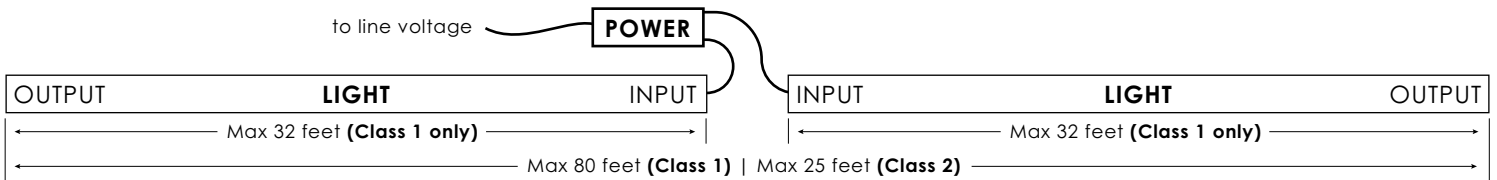
CUSTOMIZE with small jumpers to incorporate unique lengths into run. Homerun back to power supply after 32 ft (Class 1 only).
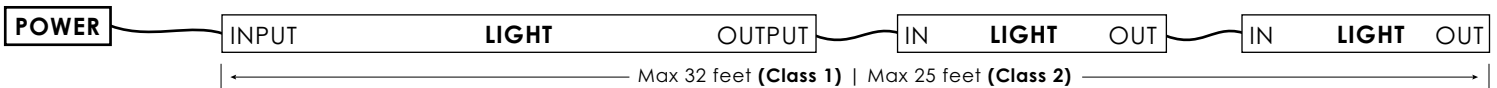
FLEX-REG_3W-24VDC-fin-lc-90 – POWER-36-24VDC-watt DIMMABLE   (12VDC Power options available)

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	5 ft	10 ft	16 ft	25 ft	40 ft*	53 ft*	80 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.
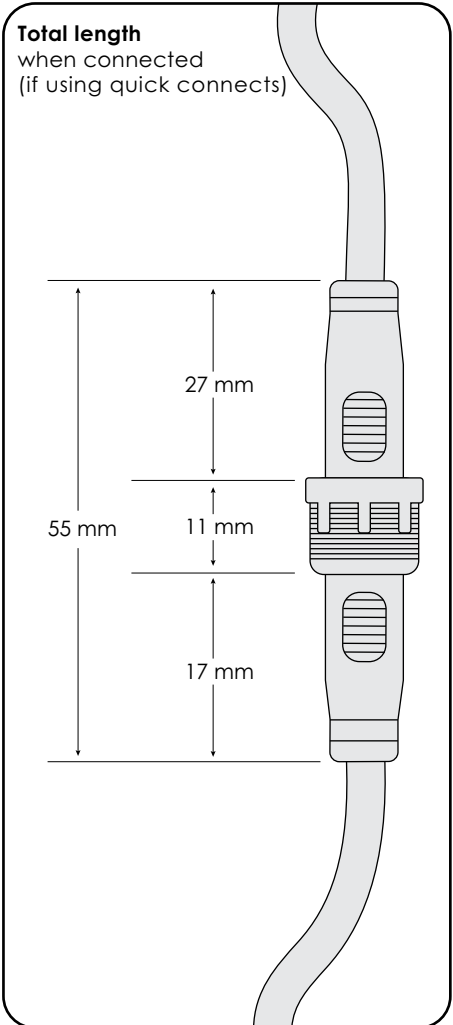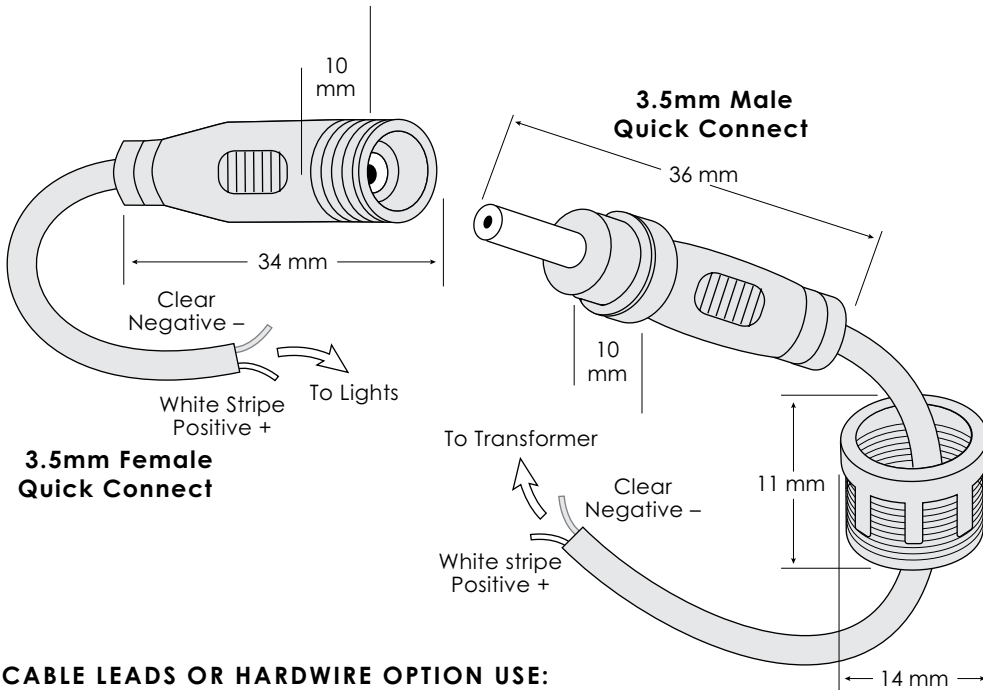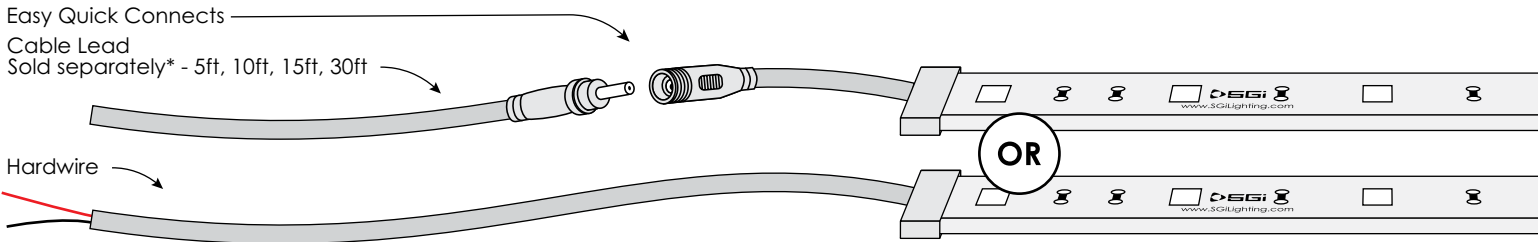[1]At 80% capacity
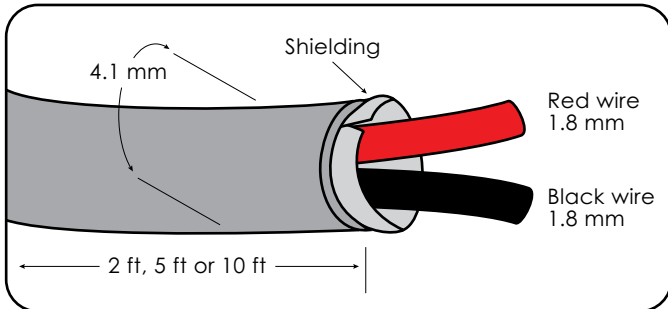
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LED Flex Light • RegularBright 3 Watt • Cable Options

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

Total length
when connected
(if using quick connects)

10 mm

34 mm

Clear
Negative –

White Stripe
Positive +

To Lights

**3.5mm Female
Quick Connect**

**3.5mm Male
Quick Connect**

36 mm

10 mm

11 mm

To Transformer

Clear
Negative –

White stripe
Positive +

14 mm

27 mm

11 mm

17 mm

55 mm

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

4.1 mm

Shielding

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

LED Flex Light
RegularBright 3 Watt

SGi's RegularBright 3 Watt is an effective choice for functional lighting applications. RegularBright 3 Watt's medium light output is perfect for relaxed yet functional lighting installations. Engineered to provide the highest possible quality available, RegularBright 3 Watt is a proven option for indoor and outdoor installations where quality is the most important factor. RegularBright 3 Watt is available in a comprehensive array of single colour whites from 2700K to 5000K and single colours. Pair with LED Track to achieve a directional or diffused ligthing effect.

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