Fairy & Icicle Lights
Quick Connect System

24V LED / COMMERCIAL GRADE

INDOOR OUTDOOR

UV STABILISED

24V EXTRA LOW VOLTAGE

OUTDOOR IP RATED

2 YEAR WARRANTY

COMMERCIAL GRADE

VANDAL RESISTANT

GREEN FRIENDLY

AUSTRALIAN DESIGNED

EDITION 3 - 2023

Fairy Lights

PRODUCT RANGE - STATIC

24V LED STRAIGHT STRING

COMMERCIAL GRADE / QUICK CONNECT SYSTEM

Firefly Fairy Lights are the ideal solution for many applications. Straight strings come in 5m and 10m lengths.
Simply connect and install. No need for cutting, soldering, or taping, saving you time and expensive labour costs.
A variety of LED states provide mesmerising lighting effects with warm / cool whites and selected colours.

Static
Always ON for a constant light glow.

Glitter
LEDs randomly flash for a sparkling glitter glow.

Fire Fly
LEDs randomly pulse in and out for a shimmering glow.

Golden Warm White Static Range
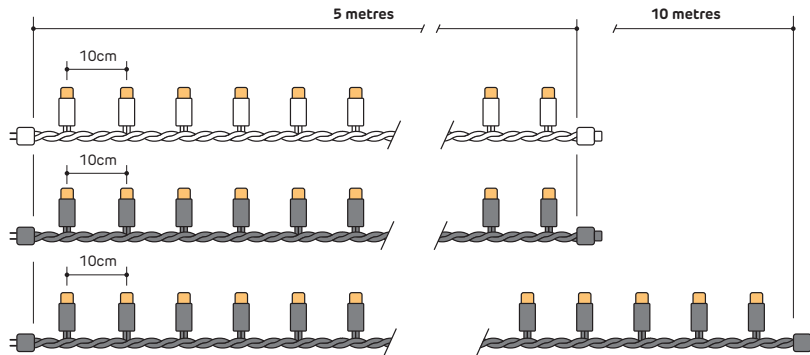
FL-GW-5-WH
Golden warm white

FL-GW-5-BL
Golden warm white

FL-GW
Golden warm white

WHITE cable and LED base

BLACK cable and LED base

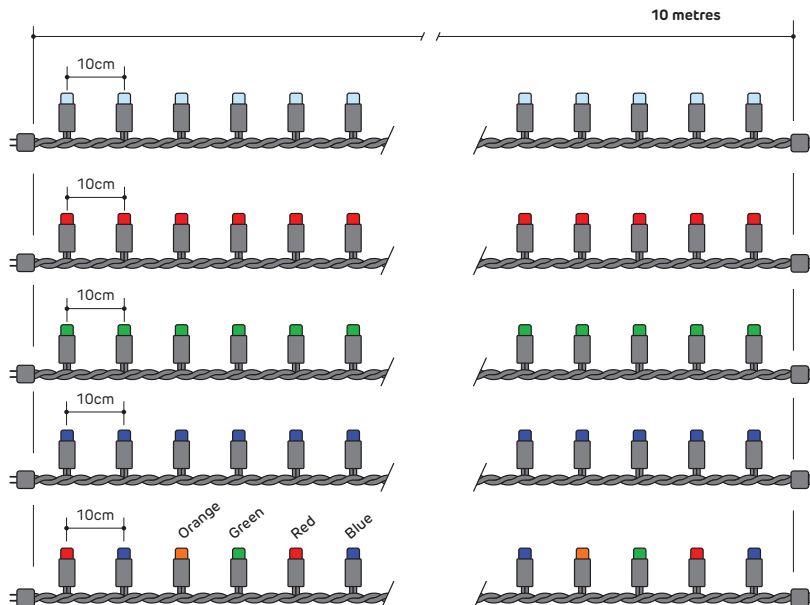**Colours Static Range**

FL-CW
Cool white

FL-R
Red

FL-G
Green

FL-B
Blue

FL-MC
Multi coloured

August 2023 | FIREFLY LIGHTING reserves the right to change this product and the specifications at any time without prior notice. Visit **www.fireflylighting.com.au** for the latest data sheet.

2

DATA SHEET

Fairy Lights

PRODUCT RANGE - GLITTER

24V LED STRAIGHT STRING

COMMERCIAL GRADE / QUICK CONNECT SYSTEM

Firefly Fairy Lights are the ideal solution for many applications. Straight strings come in 5m and 10m lengths.
Simply connect and install. No need for cutting, soldering, or taping, saving you time and expensive labour costs.
A variety of LED states provide mesmerising lighting effects with warm / cool whites and selected colours.

Static
Always ON for a constant light glow.

Glitter
LEDs randomly flash for a sparkling glitter glow.

Fire Fly
LEDs randomly pulse in and out for a shimmering glow.

Glitter Range

FL-GW-1F

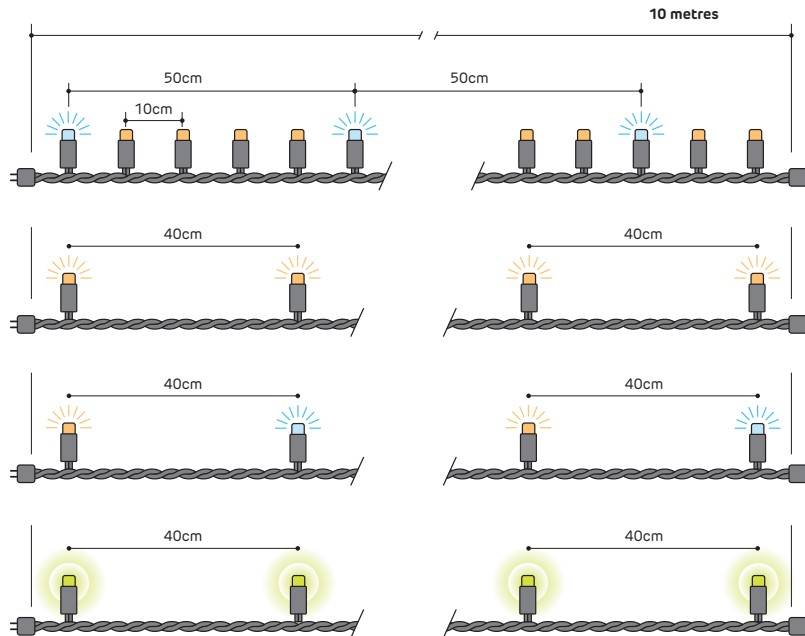Golden warm white static with cool white glitter

FL-FO-2F

Golden warm white glitter

FL-FO-3F

Golden warm white glitter with cool white glitter

FL-FO-4F

Lime green slow pulsing firefly effect

10 metres

50cm   50cm

10cm

40cm   40cm

40cm   40cm

40cm   40cm

BLACK cable and LED base

August 2023 | FIREFLY LIGHTING reserves the right to change this product and the specifications at any time without prior notice. Visit **www.fireflylighting.com.au** for the latest data sheet.

3

DATA SHEET

Fairy Lights

SPECIFICATIONS

24V LED STRAIGHT STRING
COMMERCIAL GRADE / QUICK CONNECT SYSTEM

FIREFLY LIGHTING
Phone : +61 7 3254 4333
Email : sales@fireflylighting.com.au
Address : 9/29 Links Ave North, Eagle Farm.
Brisbane QLD 4009 Australia
www.fireflylighting.com.au

24V EXTRA LOW VOLTAGE	INDOOR OUTDOOR	UV STABILISED	OUTDOOR IP RATED	2 YEAR WARRANTY	COMMERCIAL GRADE	VANDAL RESISTANT	GREEN FRIENDLY	AUSTRALIAN DESIGNED

Firefly Lighting Quick Connect System makes light work of creating spectacular architectural lighting effects. Made stronger and robust for Australia's extreme weather conditions, the Firefly Lighting Quick Connect System is designed to provide you with greater creative flexibility while significantly reducing the time and labour required for installation. The Quick Connect System is only limited by your imagination, and is fully interchangeable with our Fairy Light Straight String and Icicle String ranges.

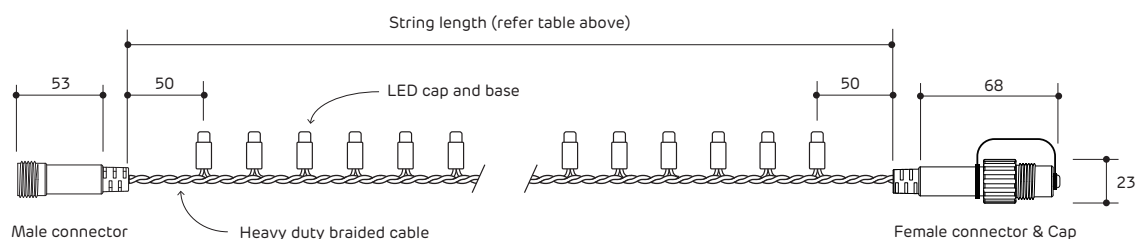| **Range**	**Golden Warm White**			**Colours**					**Glitter**			
PRODUCT CODE	FL-GW-5-WH	FL-GW-5-BL	FL-GW	FL-CW	FL-R	FL-G	FL-B	FL-MC	FL-GW-1F	FL-FO-2F	FL-FO-3F	FL-FO-4F
Colour Designation	Golden Warm White			Cool White	Red	Green	Blue	Multi Colour: Orange, Green, Red, Blue	Golden Warm White Static + Cool White Glitter	Golden Warm White Glitter	Golden Warm White Glitter + Cool White Glitter	Lime Green FireFly effect

String length metres	5m		10m		
LEDs per string length	50		100		25
LED Spacing (page 3)	Standard				Glitter Spacing
Cable Colour	White	Black			
Net Weight per piece	0.5 kg		1.0 kg		
Dimmable	Yes (with dimmable PWM driver)			No	
CCT	2200K		6500K	Various	
Power watts per string length	2.5W		5W	4W	3.2W	4W	1.6W

Cable 1 x 0.50mm, 1 x 0.75mm Quick Connect System / **Voltage** 24 V DC / **LED Cap** Clear / **IP Rating** IP67

DIMENSIONS
Shown in millimetres

53   50   String length (refer table above)   50   68

LED cap and base

Male connector   Heavy duty braided cable   Female connector & Cap

23

Icicle Lights

PRODUCT RANGE

24V LED ICICLE STRING
COMMERCIAL GRADE / QUICK CONNECT SYSTEM

Static Range

Golden Warm White Static with Warm White and Cool White Glitter

IC-GW-23
160 LEDs

15cm
5cm
20cm
30cm
Ⓐ 4 LEDs 16 drops
5 LEDs 16 drops Ⓑ

IC-GW-35
128 LEDs

15cm
10cm
30cm
50cm
Ⓐ 3 LEDs 16 drops
5 LEDs 16 drops Ⓑ

IC-GW-11
170 LEDs

30cm
10cm
100cm
100cm
Ⓐ 10 LEDs 17 drops
10 LEDs 17 drops Ⓑ

IC-GW-12
250 LEDs

30cm
10cm
100cm
Ⓐ 10 LEDs 9 drops

This product is also available in Red or Blue LEDs

IC-R
250 Red LEDs

IC-B
250 Blue LEDs

200cm
20 LEDs 8 drops Ⓑ

IC-GW-3F
250 LEDs

30cm
10cm
100cm
Ⓐ 10 LEDs 9 drops
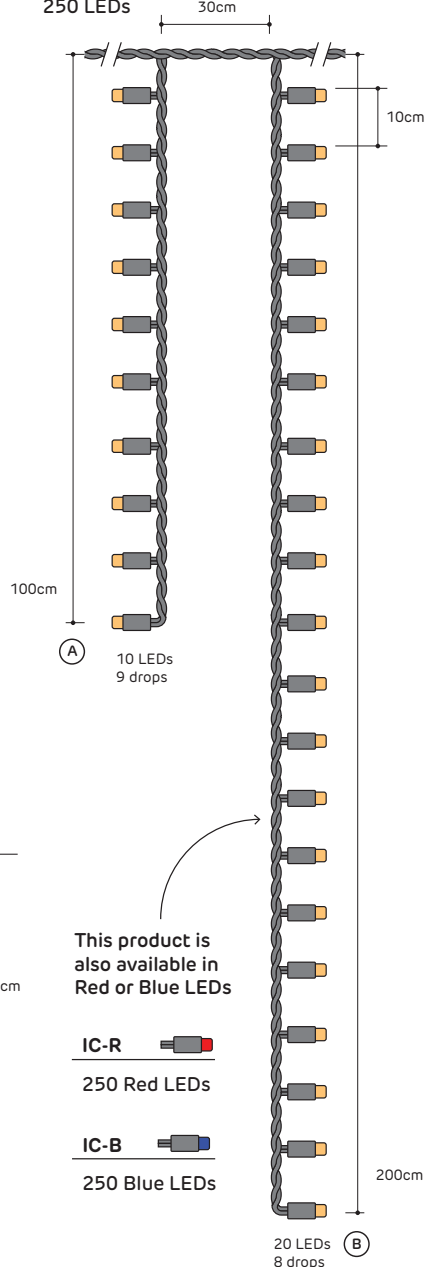
200cm
20 LEDs 8 drops Ⓑ
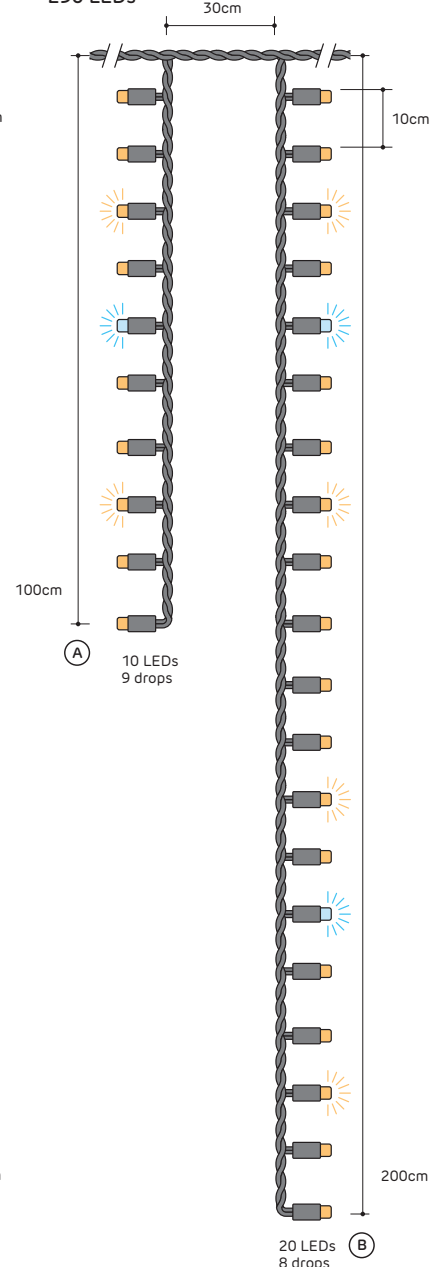
Firefly Icicle Lights are the ideal solution for many applications. String lengths are 5m. Simply connect and install. No need for cutting, soldering, or taping, saving you time and expensive labour costs A variety of LED states provide mesmerising lighting effects with warm / cool whites and selected colours.

BLACK cable and LED base

August 2023 | FIREFLY LIGHTING reserves the right to change this product and the specifications at any time without prior notice. Visit **www.fireflylighting.com.au** for the latest data sheet.

5

DATA SHEET

Icicle Lights

SPECIFICATIONS

24V LED ICICLE STRING
COMMERCIAL GRADE / QUICK CONNECT SYSTEM

24V EXTRA LOW VOLTAGE	INDOOR OUTDOOR	UV STABILISED	OUTDOOR IP RATED	2 YEAR WARRANTY	COMMERCIAL GRADE	VANDAL RESISTANT	GREEN FRIENDLY	AUSTRALIAN DESIGNED

More than just simple Christmas lights, Firefly Lighting's Icicle Lighting provide a versatile alternative for creating stunning lighting effects. Firefly Lighting's Icicle Lights are ideal for wrapping large trees and structures, or creating a light canopy inside a marquee or shade structure. They're super easy to install too, saving you time and expensive labour costs. Our Icicle Lights also use our unique Quick Connect System that's fully interchangeable with our other Fairy Light ranges.

Range	Golden Warm White				Colours		Glitter
Product ID	IC-GW-23	IC-GW-35	IC-GW-11	IC-GW-12	IC-R	IC-B	IC-GW-3F
Colour Designation							
	Goldern Warm White				Red	Blue	Golden Warm White Static with Warm White and Cool White Glitter
String length metres	5m						
Quantity of LEDs per string length	160	128	170	250	250	250	250
LED Spacing (see page 4)	Small	Standard					
String Drop Ⓐ / String Drop Ⓑ	20/30 cm	30/50 cm	100/100 cm	100/200 cm	100/200 cm	100/200 cm	100/200 cm
Cable Colour	White	Black					
Net Weight kilograms	1.4	1.4	2	2.8	2.8	2.8	2.8
Dimmable	Yes (with dimmable PWM driver)						No
CCT	2200K				Various		
Power watts	6.5w	5w	13w	18.5w	8w	18w	16w
	Cable 1 x 0.50mm, 1 x 0.75mm Quick Connect System / **Voltage** 24 V DC / **LED Cap** Clear / **IP Rating** IP67						

DIMENSIONS
Shown in millimetres

String length

53   150   String Spacing   Ⓐ   Ⓑ   String Spacing   150   68

Male connector

Female connector & Cap

23

String Drop
Ⓐ

String Drop
Ⓑ

LED cap and base

Heavy duty braided cable

August 2023 | FIREFLY LIGHTING reserves the right to change this product and the specifications at any time without prior notice. Visit **www.fireflylighting.com.au** for the latest data sheet.

6

Fairy & Icicle Lights

SYSTEM LAYOUT

24V LED FAIRY AND ICICLE LIGHTS
COMMERCIAL GRADE / QUICK CONNECT SYSTEM

FIREFLY LIGHTING
Phone : +61 7 3254 4333
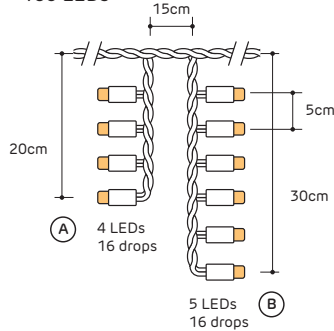**Email** : sales@fireflylighting.com.au
Address : 9/29 Links Ave North, Eagle Farm.
Brisbane QLD 4009 Australia
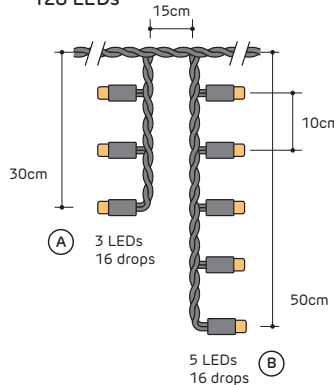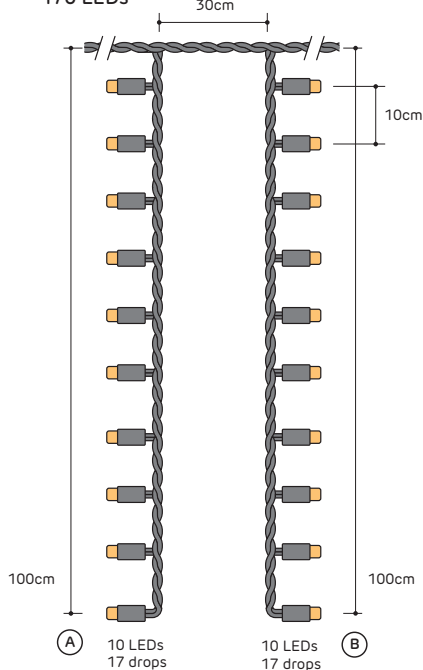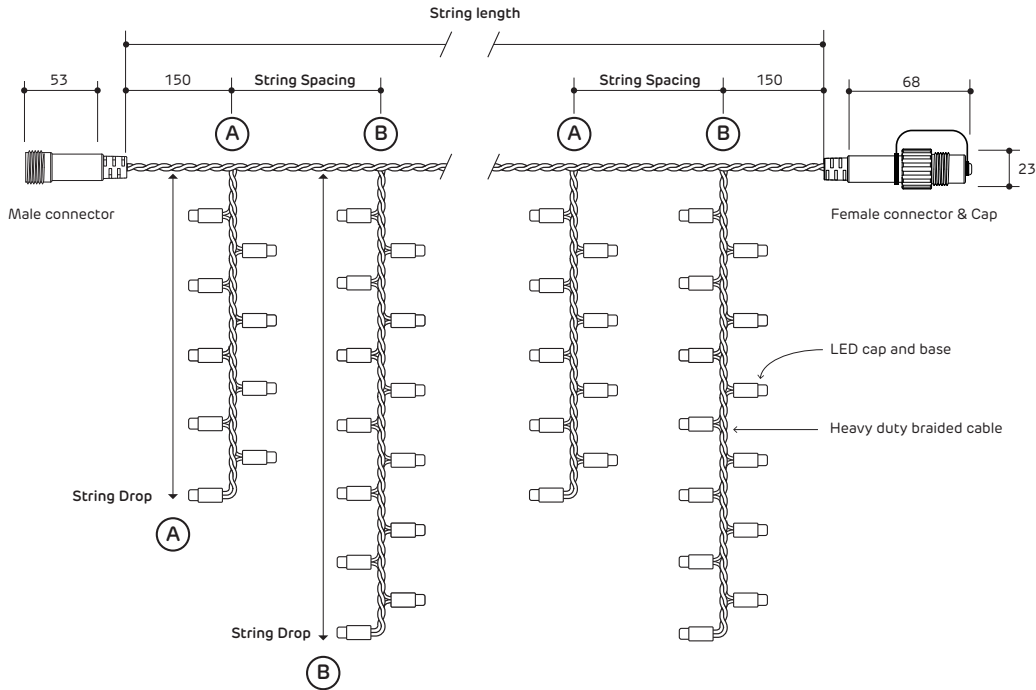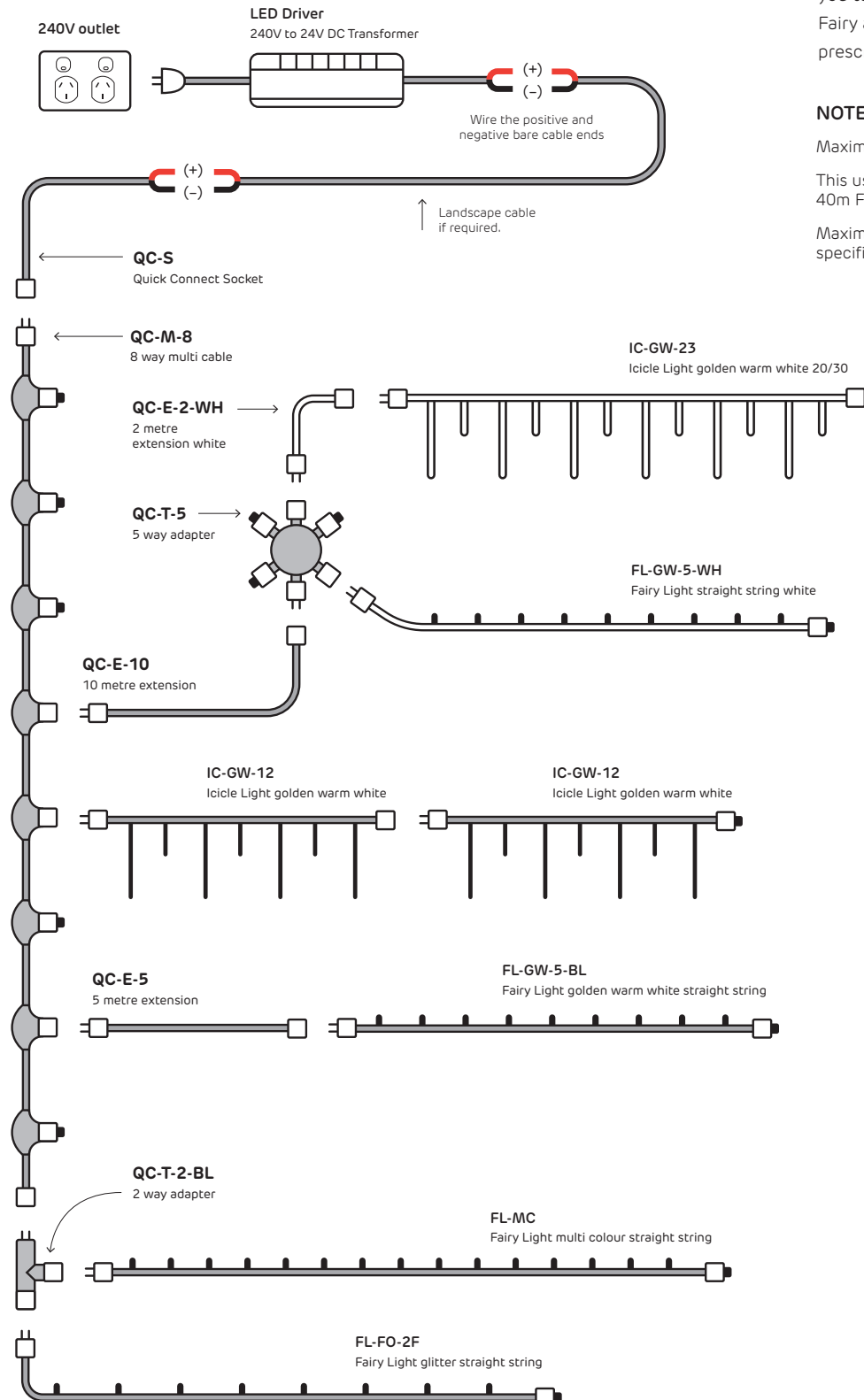**www.fireflylighting.com.au**

Firefly Lighting's Quick Connect System used across our Fairy Light and Icicle ranges allows you to easily connect additional strings of Fairy and Icicles lights in the same run within prescribed max run lengths.
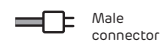
NOTES

Maximum cable length from the LED driver is 50m.

This usually consists of 10m extension cables and 40m Fairy Light straight strings.

Maximum connectable lenghts noted on specification sheets.

240V outlet

LED Driver
240V to 24V DC Transformer

(+)
(−)

Wire the positive and negative bare cable ends

(+)
(−)

Landscape cable if required.

QC-S
Quick Connect Socket

QC-M-8
8 way multi cable

QC-E-2-WH
2 metre extension white

QC-T-5
5 way adapter

QC-E-10
10 metre extension

QC-E-5
5 metre extension

QC-T-2-BL
2 way adapter

IC-GW-23
Icicle Light golden warm white 20/30

FL-GW-5-WH
Fairy Light straight string white

IC-GW-12
Icicle Light golden warm white

IC-GW-12
Icicle Light golden warm white

FL-GW-5-BL
Fairy Light golden warm white straight string

FL-MC
Fairy Light multi colour straight string

FL-FO-2F
Fairy Light glitter straight string

KEY

Male connector

Female connector

Female connector with end cap in place

(+)
(−)

Ensure all bare end cables are finished off with resin filled heat shrink to ensure IP rating is maintained.

August 2023 | FIREFLY LIGHTING reserves the right to change this product and the specifications at any time without prior notice. Visit **www.fireflylighting.com.au** for the latest data sheet.

7

DATA SHEET

Fairy & Icicle Lights

SYSTEM ACCESSORIES

24V LED FAIRY AND ICICLE LIGHTS

COMMERCIAL GRADE / QUICK CONNECT SYSTEM

FIREFLY LIGHTING
Phone : +61 7 3254 4333
Email : sales@fireflylighting.com.au
Address : 9/29 Links Ave North, Eagle Farm.
Brisbane QLD 4009 Australia
www.fireflylighting.com.au

Firefly Lighting's Quick Connect System used across our Fairy Light and Icicle ranges allows you to easily connect additional strings of Fairy and Icicles lights in the same run within prescribed max run lengths.
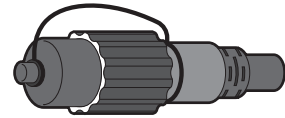
Our simple plug n play system integrates polarity wiring and water proof connections into a easy to use scaleable solution.

Black

White

CABLE COLOUR
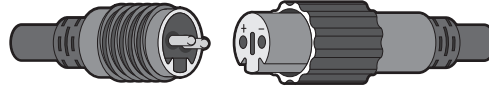
MALE CONNECTOR
2 prongs with positive and negative pre wired.
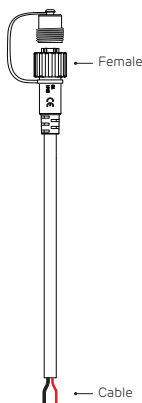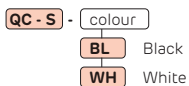
FEMALE CONNECTOR
Pushes into the male connector and screws tight to seal.
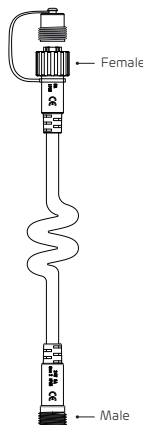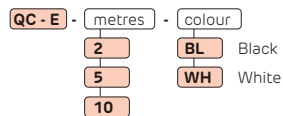
UNUSED CONNECTORS
Screw the end cap onto the end of the female connector to seal.

QC-S

Quick Connect Socket

Connects the LED driver to the Firefly Quick Connect System.

QC - S - colour
BL Black
WH White

Female

Cable

QC-E

Quick Connect Extension Cable

Available in 2m, 5m and 10m lengths.

QC - E - metres - colour
2   BL Black
5   WH White
10

Female

Male

QC-T-2

Quick Connect Adapters

Connect up to 50m of Firefly Fairy Lights from each output. Max 50m length from output taking into account any extension cables and tail length from LED driver.

QC - T - 2 - colour
BL Black
WH White

Male   Female

QC-T-5

QC - T - 5 Black

Male

Female
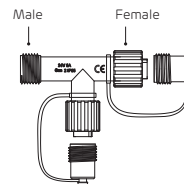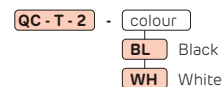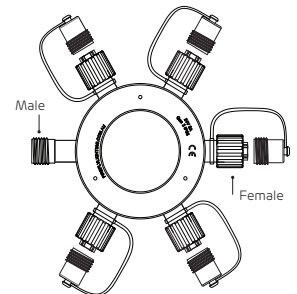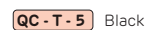
QC-M

Quick Connect Multi Outlet cable

Connect up to 50m of Firefly Fairy Lights from each output. Max 50m length from output taking into account any extension cables and tail length from LED driver.

QC - M - outlets - colour
8   BL Black
10   WH White

Length

8 Outlets = 2.5m / 10 Outlets = 3.1m

Male

10cm   30cm   10cm

Female

8 or 10 outlets

August 2023 | FIREFLY LIGHTING reserves the right to change this product and the specifications at any time without prior notice. Visit **www.fireflylighting.com.au** for the latest data sheet.

8