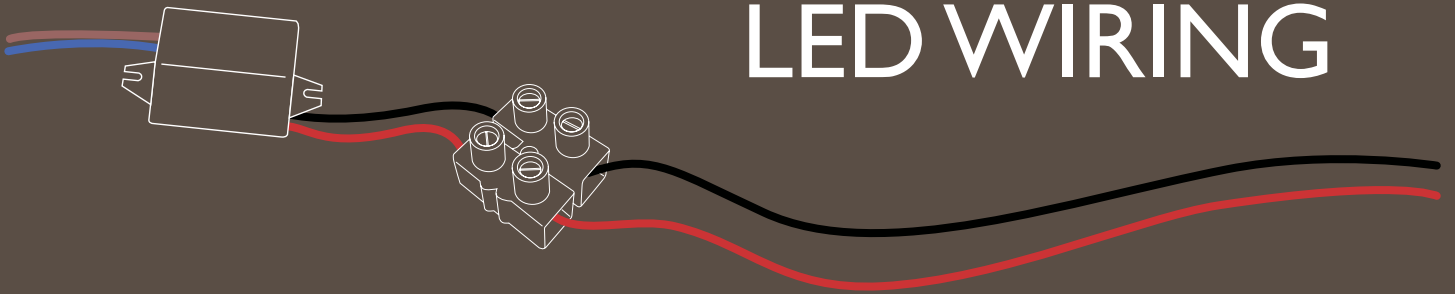


GUIDE TO LED WIRING



1w 350mA LED Products

3w 700mA LED Products

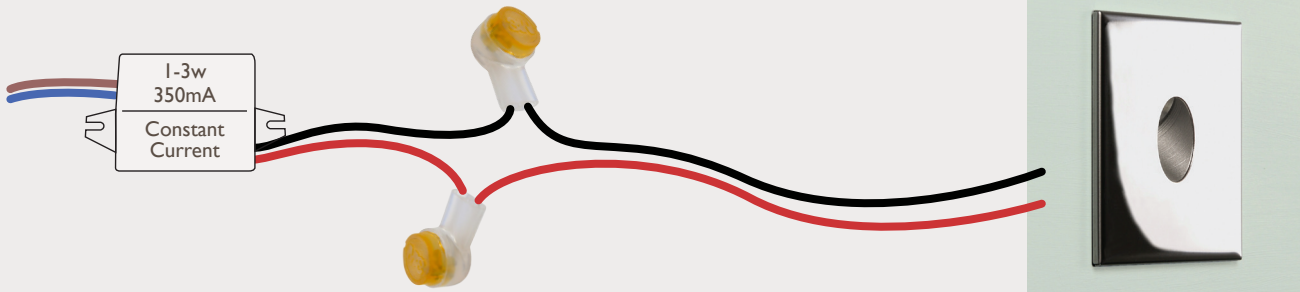
Drivers

Connectors

Transformers

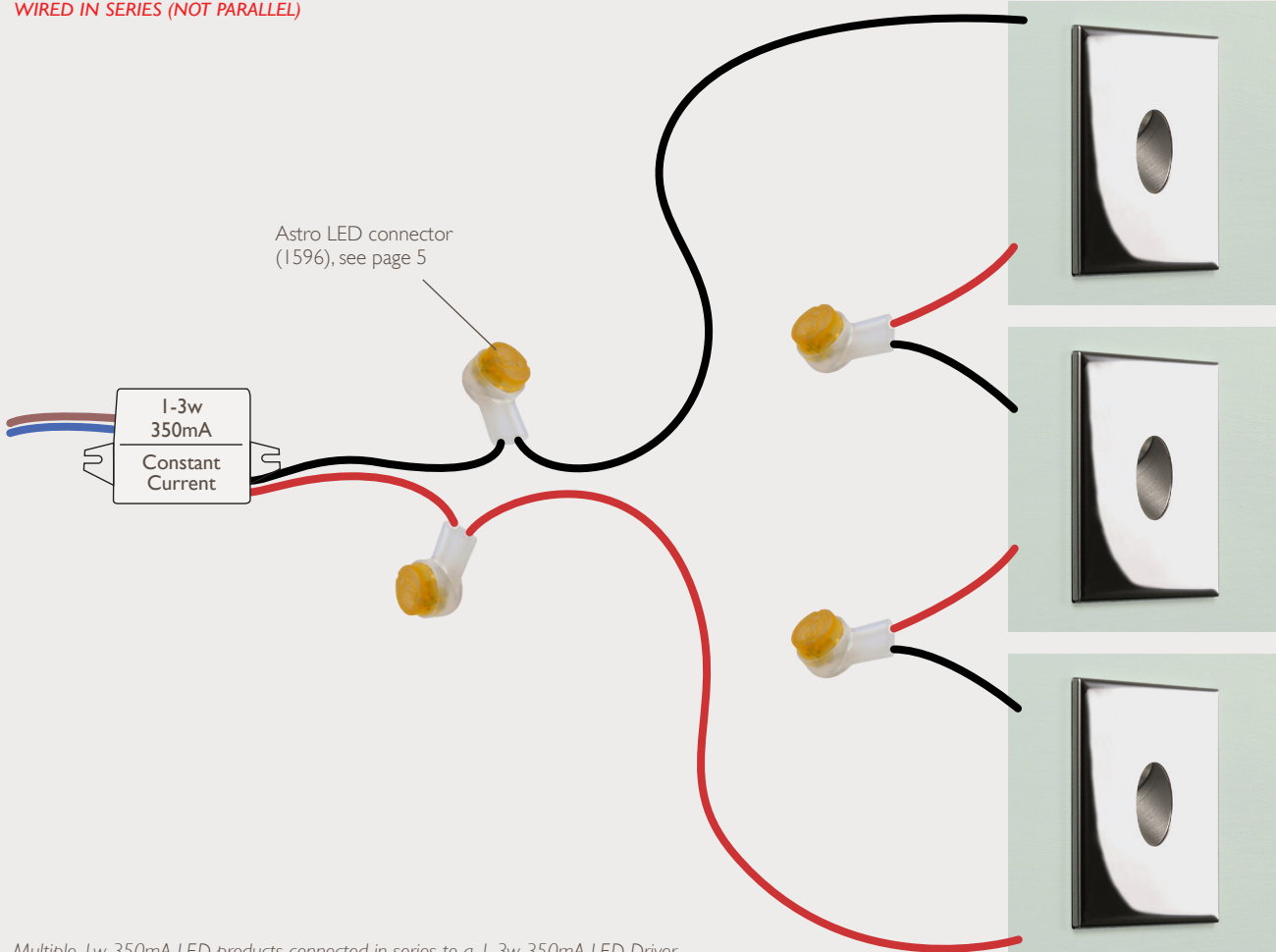
1w LED PRODUCTS

You can connect one, two or three 1w 350mA LED products to our 1-3w 350mA Constant Current LED Driver (1275). If you are wiring more than one product, the products must be wired **in series, not parallel**.



Single 1w 350mA LED product connected to a 1-3w 350mA LED Driver

WIRED IN SERIES (NOT PARALLEL)



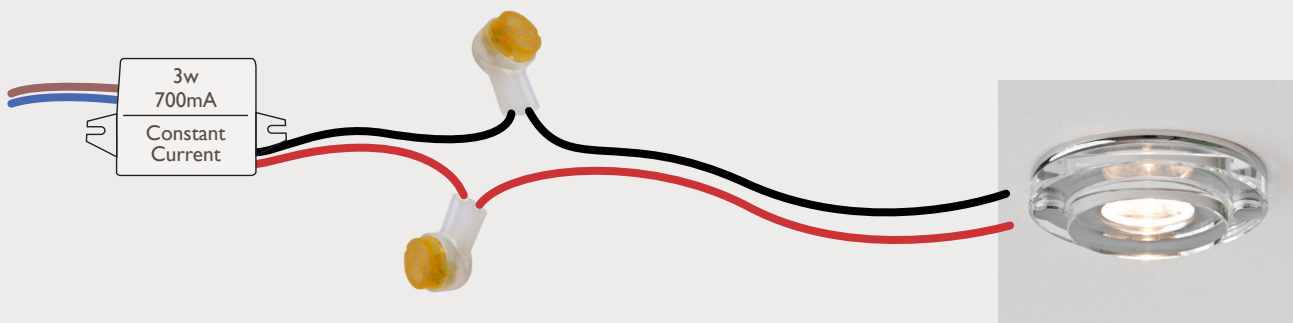
Multiple 1w 350mA LED products connected in series to a 1-3w 350mA LED Driver

1w 350mA products in the Astro range include:

Fosso Recess (0629, 0631 and 0757)
Tango (0825, 0826, 0831, 0832 and 0833)

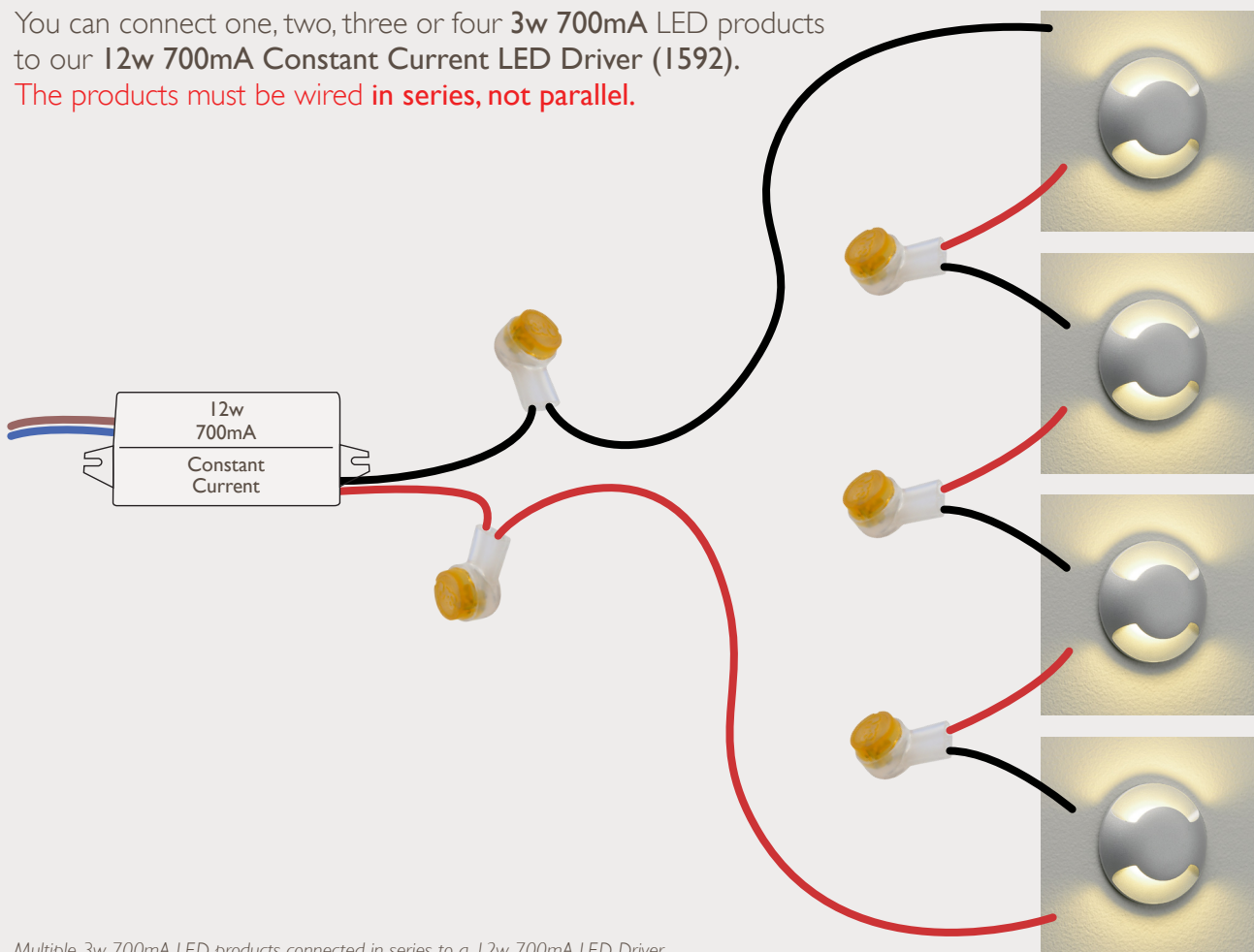
3w LED PRODUCTS

One 3w 700mA LED product can be wired to our 3w 700mA Constant Current LED Driver (1271).



Single 3w 700mA LED product connected to a 3w 700mA LED Driver

You can connect one, two, three or four 3w 700mA LED products to our 12w 700mA Constant Current LED Driver (1592).
The products must be wired in series, not parallel.



Multiple 3w 700mA LED products connected in series to a 12w 700mA LED Driver

3w 700mA products in the Astro range include:

Ice LED (5579 and 5580)
Mint LED (5581 and 5582)
Beam (0937, 0938 and 0939)
Terra 42 (0936)

DRIVERS

A driver reduces the voltage supplied to the LED and “drives” either a **constant voltage** or a **constant current** to the LED.

It is very important that LED products which do not have a built-in driver must be connected to an LED driver, not directly to the mains.

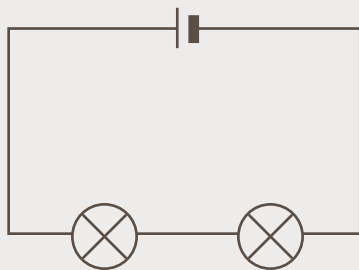
Connecting LEDs directly to mains will cause irreparable damage to the product.

It is very important that the power is disconnected until installation of the LED products is completely finished. Any connections made with the power on will cause irreparable damage to the product.

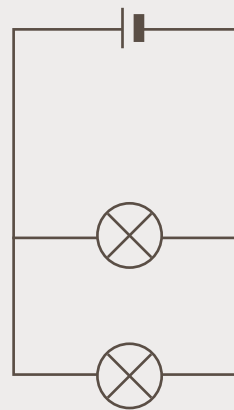
Some, but not all, of our drivers are IP65 rated. The installer must therefore ensure that IP integrity is maintained, either by positioning the driver indoors or using waterproof junction boxes.

All our LED products that need a separate driver must be wired in SERIES not parallel.

SERIES WIRING DIAGRAM



PARALLEL WIRING DIAGRAM



CONNECTORS

Below is the diagram we use on our instructions showing a series circuit including the connectors that we sell.

These connectors are specifically for LED circuits and are gel filled to provide IP65 protection when used outside.

