guide to constant current LEDs

Constant current LED items can be identified because the operating power is quoted in milliamps (mA). Project Collection constant current items are either 350mA or 700mA.

Do I need a separate driver?

Yes, choose a 350mA or 700mA driver to suit the number of fittings you want to run, and whether you want to dim the item. Fittings must be wired in series.

Is this dimmable?

Yes, if used with a dimmable 350mA driver and a compatible dimmer.

item wattage x no. of items = total wattage

select your driver to suit your requirements

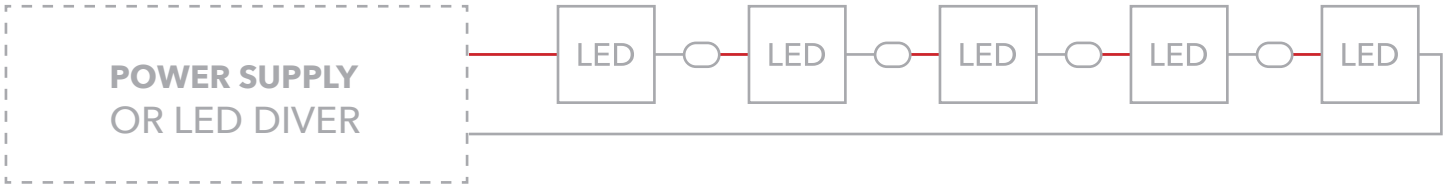
How do I work out which driver I need?

Identify the current, 350mA or 700mA. Note the wattage of each item, e.g 1W, 3W

wiring diagram

How do I wire this?

In series. See the drivers page in our catalogue, the product fitting instructions, or this drawing below...



The driver doesn't fit through the hole / where do I put the driver?

Drivers should be sited somewhere you can access them for maintenance. This can be up to 60m away from the furthest fitting. The driver will often be larger than the hole cut out for the item. Again, locate it in another place, where you can access it in the future if required

troubleshooting

The first fitting lights up, the others don't come on

You have wired this in parallel (not in series). You will need to buy replacements for all but the first one.
These are not repairable.

All the fittings have failed

This is due to driver failure. Check that you have wired the circuit correctly, or the driver may fail again.

My fittings come on for a while, then they go off, and turn back on by themselves later

Your driver is overheating. Improve the air flow around it.

My fittings are all flashing

This is a driver issue. First check your driver is not overrun or under-run (i.e. within the minimum and maximum wattages). Otherwise it is a faulty driver.

The first fitting in the circuit stays on after the circuit is turned off

You have residual current in the circuit, or current leakage. Try changing the switch. If these are on a circuit with an intermediate switch it is almost impossible to prevent a small amount of current leakage.