



GUIDE TO LED WIRING

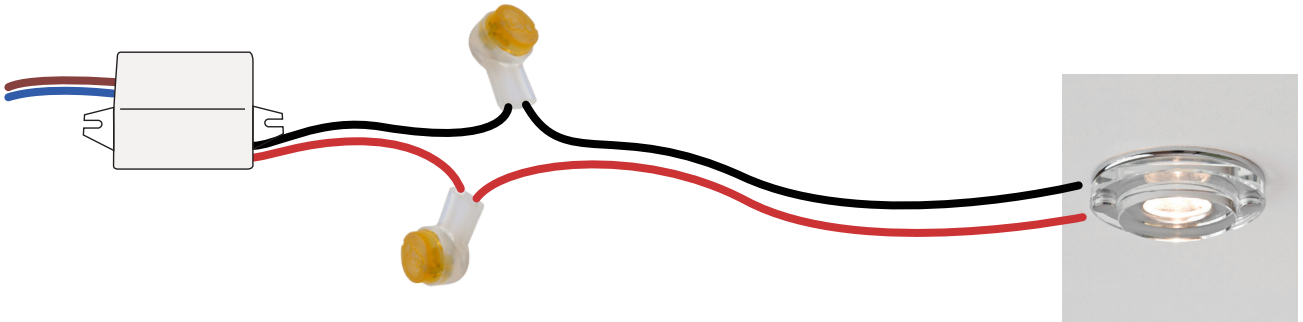
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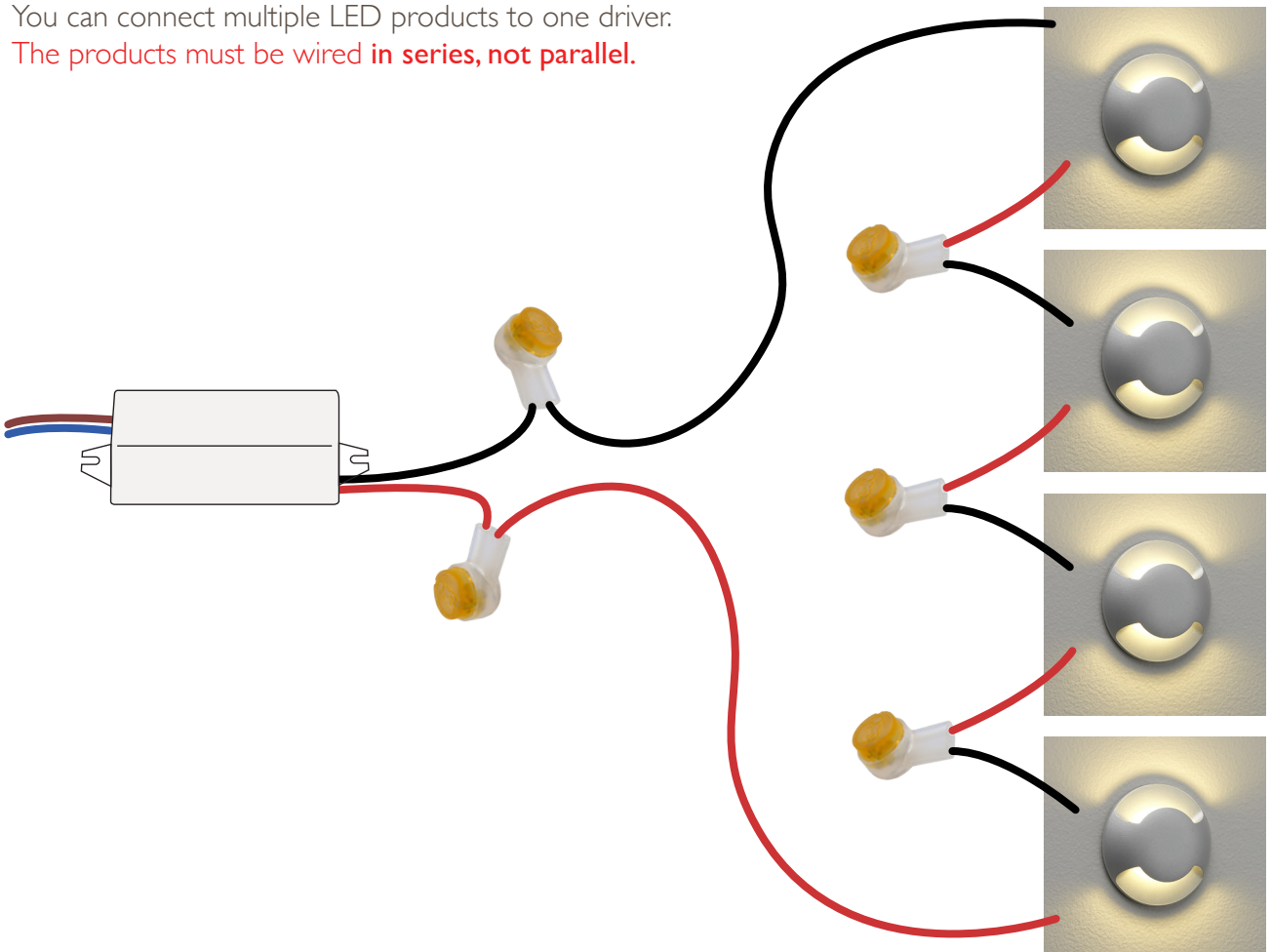
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LED PRODUCTS

A single product connected to an LED Driver



You can connect multiple LED products to one driver:
The products must be wired **in series, not parallel.**



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.

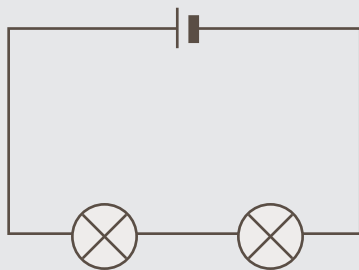
Connecting LEDs directly to mains will cause irreparable damage to the product.

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.

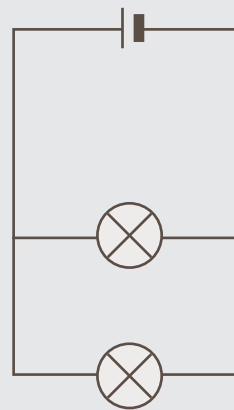
Some, but not all, of our drivers are IP65 rated. The installer must therefore ensure that IP integrity is maintained, either by positioning the driver indoors or using waterproof boxes.

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

SERIES WIRING DIAGRAM



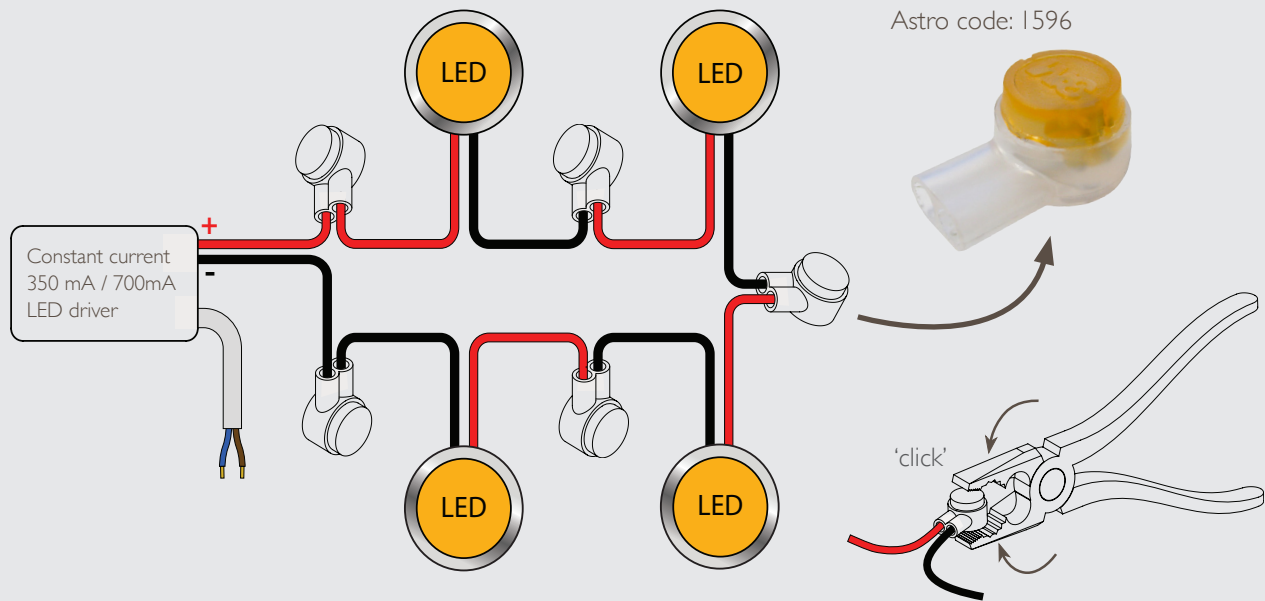
PARALLEL WIRING DIAGRAM



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 moisture resistance when used outside.



LED DRIVER TABLE

350mA LED DRIVERS

| | 1275 3w, Non Dimmable | 1735 12w, Non Dimmable | 1756 11w, 1-10V Dimmable | 1835 Multi-current/multi-voltage 15w, 1-10V Dimmable | 1834 18w, Phase Dimmable | 1836 Multi-current/multi-voltage 15w, DALI Dimmable |
|---|---------------------------------|----------------------------------|------------------------------------|---|------------------------------------|--|
| | Fittings per driver | Fittings per driver | Fittings per driver | Fittings per driver | Fittings per driver | Fittings per driver |
| Aprilia 5691, 5692, 5693, 5694 | n/a | | | - 2 | - 2 | - 2 |
| Aprilia Twin 5688, 5690 | n/a | Aprilia Twin = 2 x Aprilia | Aprilia Twin = 2 x Aprilia | | | |
| Fosso Recess 0629 | - 3 | 6 - 10 | - 8 | - 12 | 5 - 15 | - 12 |
| Trimless Leros 7418 | - 3 | 6 - 10 | 2 - 8 | - 12 | 5 - 15 | - 12 |
| Tango 0825, 0826, 0831, 0832, 0833 | - 3 | 6 - 10 | 2 - 8 | - 12 | 5 - 15 | - 12 |
| Terra 28 7199, 7200 | - 3 | 6 - 10 | 2 - 8 | - 12 | 5 - 15 | - 12 |
| Vancouver LED 90 5697, 5698 | n/a | | | | | |
| Vetro 5667, 5668, 5704, 5705 | n/a | | | | | |
| Vetro Twin 5669, 5706 | n/a | Vetro Twin = 2 x Vetro | | | | |

500mA LED DRIVERS

| | 1835 Multi-current/multi-voltage 20w, 1-10V Dimmable | 1833 18w, Phase Dimmable | 1836 Multi-current/multi-voltage 20w, DALI Dimmable |
|--------------------------|---|------------------------------------|--|
| | Fittings per driver | Fittings per driver | Fittings per driver |
| Volos 210 7350 | | | |

700mA LED DRIVERS

| | 1271 3w, Non Dimmable | 1592 12w, Non Dimmable | 1831 14w, Non Dimmable | 1757 21w, 1-10v Dimmable | 1835 Multi-current/voltage 20w, 1-10V Dimmable | 1832 18w, Phase Dimmable | 1836 Multi-current/voltage 20w, DALI Dimmable |
|---|---------------------------------|----------------------------------|----------------------------------|------------------------------------|---|------------------------------------|--|
| | Fittings per driver | Fittings per driver | Fittings per driver | Fittings per driver | Fittings per driver | Fittings per driver | Fittings per driver |
| Beam 0937, 0938, 0939 | | 3 - 4 | - 4 | 2 - 7 | - 6 | 2 - 6 | - 6 |
| Borgo 0970, 0971, 0972, 0973, 0974, 0975, 0976, 0977, 7088, 7089 | | 3 - 4 | - 4 | 2 - 7 | - 6 | 2 - 6 | - 6 |
| Edge 560 7385 | n/a | n/a | | n/a | | | |
| Elva 5632, 5633 | n/a | | | - 2 | - 2 | | - 2 |
| Enna Recess 7337, 7338, 7339, 7340, 7498 | | 3 - 4 | 2 - 4 | 2 - 7 | - 6 | 3 - 6 | - 6 |
| Ice LED 5579, 5580 | | 3 - 4 | - 4 | 2 - 7 | - 6 | 2 - 6 | - 6 |
| Lenta 5626, 5627, 5628, 5629 | n/a | | | - 2 | - 2 | - 2 | - 2 |
| Mint LED 5581, 5582 | | 3 - 4 | - 4 | 2 - 7 | - 6 | 2 - 6 | - 6 |
| Orpheus 7369, 7370 | | 3 - 4 | 2 - 4 | 2 - 7 | - 6 | 3 - 6 | - 6 |
| Terra 42 0936 | | 3 - 4 | - 4 | 2 - 7 | - 6 | 2 - 6 | - 6 |
| Tivoli 7264, 7265 | | 3 - 4 | 2 - 4 | 2 - 7 | - 6 | 3 - 6 | - 6 |
| Vancouver LED 45 5695, 5696 | | 3 - 5 | - 5 | 2 - 8 | - 7 | 2 - 7 | - 7 |
| Trimless LED 5699, 5700 | n/a | | | - 2 | - 2 | - 2 | - 2 |
| Minima LED 5701 | n/a | | | - 2 | - 2 | - 2 | - 2 |

Indicates drivers will not fit through the cut-out hole for this product and must be fitted remotely. / Indique que les drivers n'entrent pas dans le trou de la découpe de ce produit et doivent être installés à distance. / Zeigt an, dass das LED-Betriebsgerät nicht durch den Ausschnitt für die Leuchte passt und daher separat untergebracht werden und zugänglich sein muss. / Indica che il driver non può passare attraverso il buco di apertura per questo prodotto e dovranno essere montati in remoto.