

STAR light with INTELLIDRIVE power supply

The Weka Electronics STAR light is an LED light & requires an INTELLIDRIVE power supply in order to operate from a +12V or +24V supply (*The lights must never be directly connected to the +12V or +24V power as this will destroy them!*).

The unique **Series Switching** feature of the INTELLIDRIVE power supply allows each light to be switched on or off and when all the lights are off the power supply will automatically switch off. Thus no overall on/off switch is required.

- On +12V power 1 to 3 lights may be connected in series running from just one INTELLIDRIVE power supply.
- On +24V power 1 to 6 lights may be connected in series running from just one INTELLIDRIVE power supply.

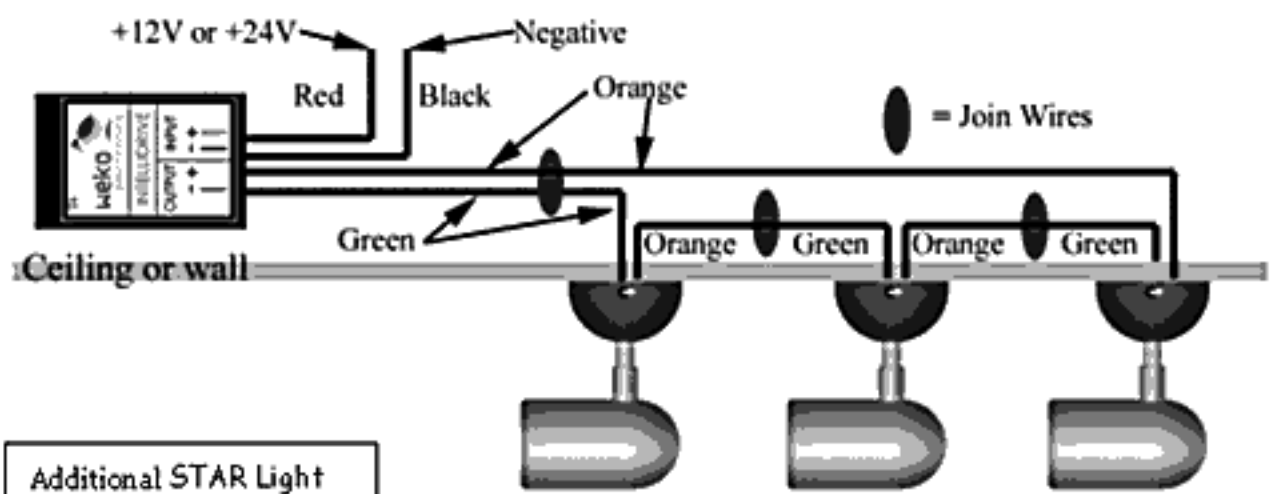
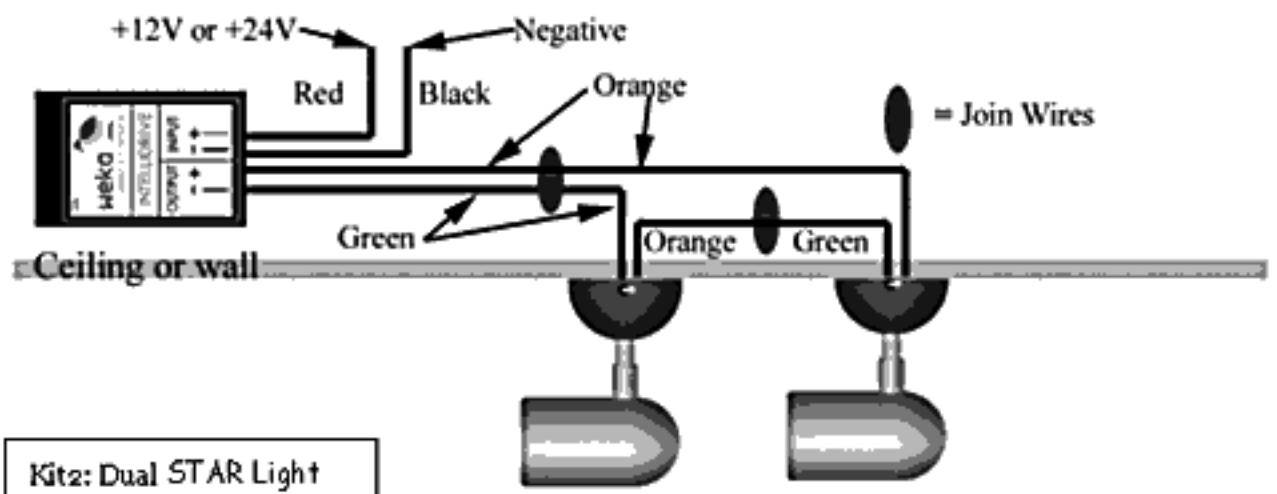
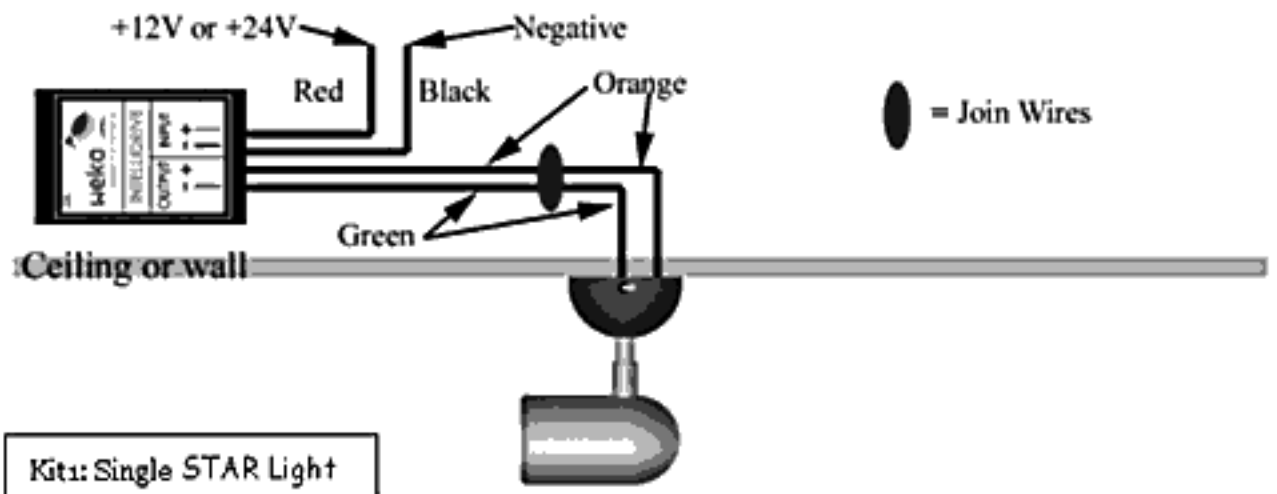
Fitting these lights is easy:-

1. Cut the fitting template from the bottom of this page.
2. Decide where to fit the INTELLIDRIVE power supply.
 If fitting behind the light, the template shows the size of the hole required to poke the INTELLIDRIVE unit through into the wall or ceiling cavity. Use the template to mark the size and position of the hole. *Ensure you get the switch in the position you want it!*
 Alternatively you may fit the INTELLIDRIVE remotely from the lights and extend the wiring to reach the lights. In this case the template is simply used to show the screw positions and wiring exit.
3. Run the required wiring between the lights using the wiring diagrams as a guide. Note the wiring is very simple and the lights are simply connected in series like a daisy chain. The INTELLIDRIVE simply connects to each end of the chain. Since the current in the wire is quite small wire about 1 mm in diameter & rated for 1 Amp is quite sufficient.
4. Connect the wiring to the lights. Before you switch on check that each light is connected the right way round. **The lights may be damaged if the wiring is reversed!**
5. Using the 5 gauge fixing screws supplied, screw the lamps to the wall using a small cross head screwdriver. *Be careful not to use too large a cross-head screwdriver as this may damage the light base.*
6. Finally connect the +12V or +24V supply via your fuse box. *Ensure a fuse is fitted rated at 1A.*
7. Check each light is working. *If any fail to work first check the light switch is ON and then switch off & double check the wiring to ensure the light has been connected the right way round.*
8. *Enjoy the power savings of your new LED lights from Weka Electronics!*

Specification: STAR light (1040A)

- Fully adjustable micro spot light
- Medium beam 1 Watt Soft White LED light
- Integral on/off switch
- +12 or +24V compatible with INTELLIDRIVE power supply.
- Available in anodised black or silver
- Base Size: D 35 mm, 20 mm screw centres

Note: Only use the INTELLIDRIVE power supply with your STAR lights as other manufactures parts do not have the series switching feature.

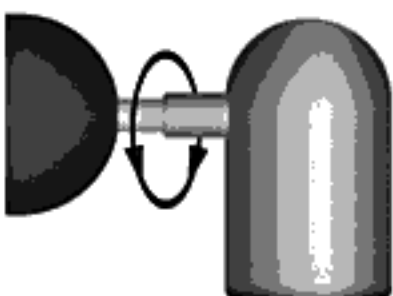


Specifications: INTELLIDRIVE power supply

| | |
|---------------------------|----------------------------|
| Max. Input Voltage | +30.0V DC |
| Min. Input Voltage | +8V DC |
| Max. Input Current | 350 mA |
| Max Output Voltage | +30.0V DC |
| Nominal Output Current | 350 mA |
| "Off State" i/p current | Less than 0.2 mA |
| Efficiency | 85% typical 90% typical |
| Operating / Storage temp. | -20 to +70C |

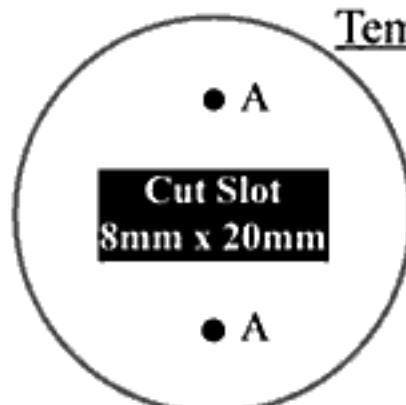
Z827

| |
|---|
| Max. 7 LEDs at +28V, 6 LEDs at +24V, 3 LEDs at +12V |
| Max 1 LED at + 8V |
| Fit 1A fuse to input supply |
| Output is open & short circuit protected. |
| Output shorted (i.e. all lights switched OFF) |
| 3 LED @ +12V input |
| 6 LED @ +24V input |
| Size: 30mm x 18 mm x 8mm Encapsulated resin case |

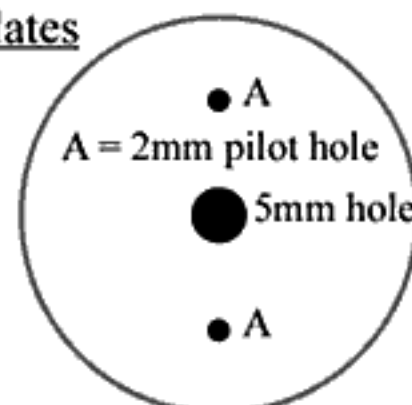


Always rotate your light down through the bottom and never in complete circles as this will eventually damage the light

Templates



Intellidrive fitted behind light



Intellidrive fitted remotely