



X-Eng is a division of  
Foundry 4x4 Limited  
The Old Bakery, Rear of Vale Terrace,  
Tredegar,  
Gwent. NP22 4HT

# **X-Lite *Azimuth*** **Fitting Instructions**



The X-Lite *Azimuth* is designed to survive in places you would not dream of sighting any normal light!

The solid Aluminium body is very tough and includes a hood to protect the bulb and reduce glare from nearby surfaces.

Fitting is pretty easy - and you probably wont need these instructions - but just in case!

This is the kit of parts you should have received. If any parts are missing - give us a ring and they will be in the next post.

- 1 x Light Housing
- 1 x Wire bulb-retaining Clip
- 1 x High Temperature Bulb Holder
- 1 x Silver Aluminium Pin
- 1 x Mounting Plinth
- 1 x Stainless Steel hollow bolt
- 1 x Vibration Resistant Halogen Bulb



#### Step 1

Pass the silver coloured pin through the hole in the lamp body as shown. Carefully pass the wires attached to the bulb holder through the threaded hole.



#### Step 2

Thread the wires through the slot in the bottom of the X-Lite body. Pass them through the centre of the mounting plinth then through the hollow bolt. Screw the bolt in to the silver pin.



#### Step 4

Plug the bulb in to the bulb holder then gently push the bulb in to the bore of the X-Lite housing. The insulators on the rear of the bulb holder will press against the silver pin – this is normal (it helps keep the bulb holder attached to the bulb).



### Step 5

Squeeze the ends of the wire clip between your thumb and forefinger and insert the clip in to the bore of the X-Lite body. When the bulb and clip are properly seated, the clip will snap into a groove and securely retain the bulb.



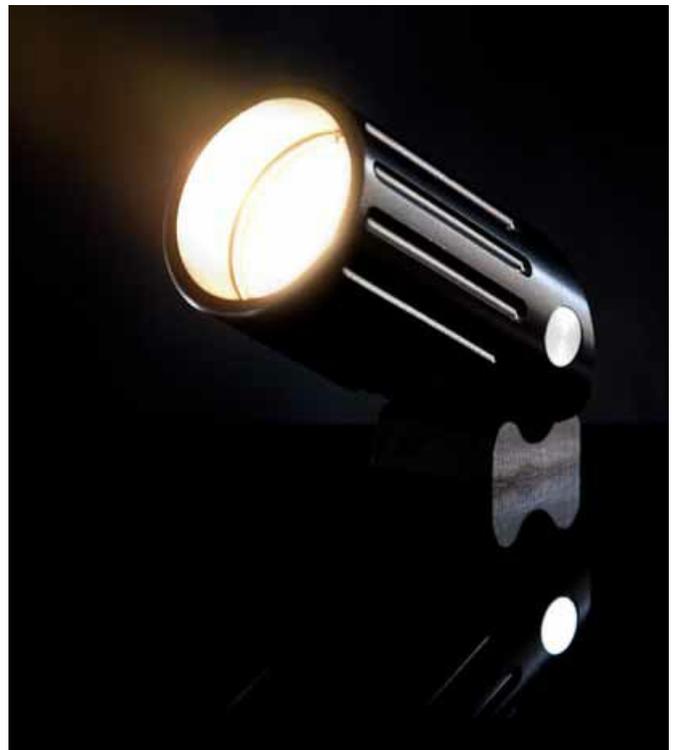
### Step 6

You can unscrew and withdraw the hollow bolt now.

Pass this through a 10.5mm hole in the surface on which you are going to mount the light, pass the wires through the bolt and screw the bolt back in to the silver coloured pin.

Adjust the direction of the lamp to suit and tighten the hollow bolt to secure. This does not need to be very tight to achieve a secure fit – a few Nm is fine. If the bolt is over-tightened, it will snap – so be warned!

If you are passing the bolt through your roof – it might be worth squirting some silicone sealant up the middle of the hollow bolt and use a fibre washer under the head of the bolt to achieve a totally waterproof seal.



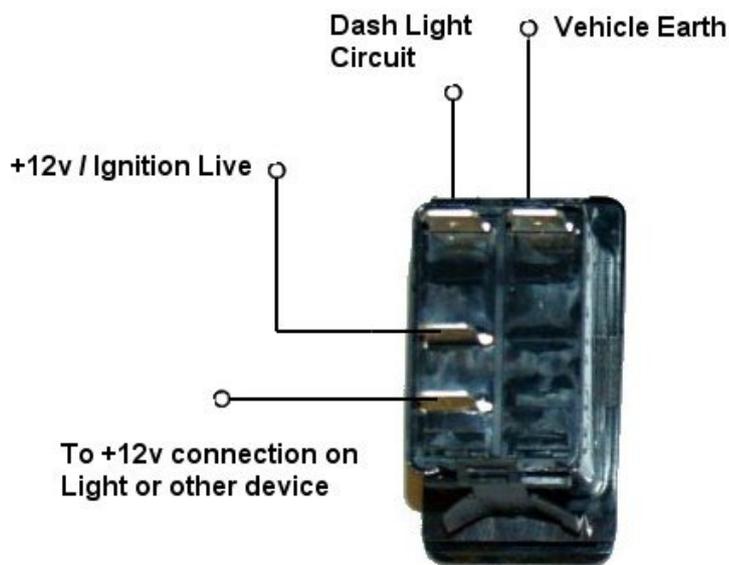
Each X-Lite will draw a current of about 5 Amps (10 Amp for 2, 20 Amp for 4....you get the idea).

Make sure the wire you use is up to the job.

There are two wires coming out of the X-Lite. You will need to connect one of these (It does not matter which one) to the negative of the battery or to the chassis / bodywork. And the other via a switch or relay to the positive battery terminal.

Please note that if you connect the lights to your headlight main beam we recommend you use a relay and a separate fuse in line.

You must also connect the lights via an isolating switch such that main beam can be used without the X-Lites illuminating. This is a legal requirement in many countries so don't say you have not been warned!



**Using a Carling SPST Switch to control a Light**

We now stock high quality Carling Contura switches (Above Left) for our X-Lites which include an X-Lite decal.

If you have purchased X-Lite switches, the diagram (Left) shows how they should be wired.