

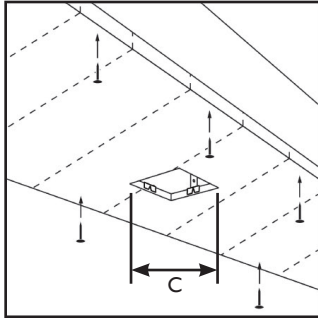
## Installation Instructions for Plus XL Square Fixed.

### Installation Instructions for fitting with trimless kit (TL)

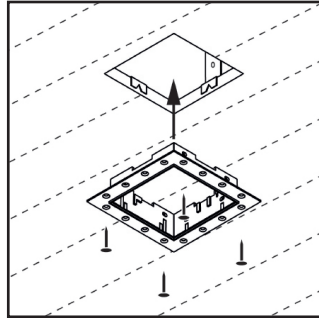
For luminaires 090+XL-LED-SQ, 090+XL-33-LED-SQ



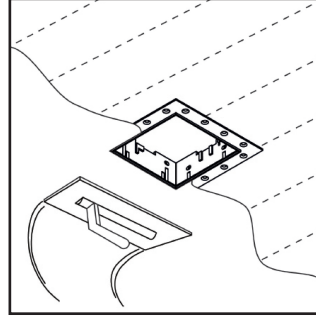
**MAINS POWER TO BE SWITCHED OFF DURING INSTALLATION.**



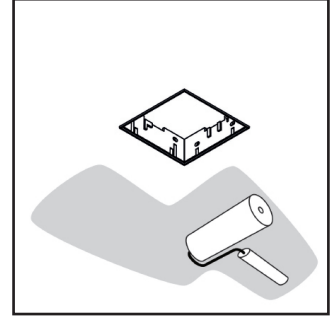
**1. Plasterboard installation**  
Cutout (C): 140 x 140mm



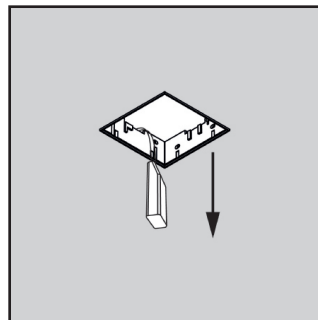
**2. Trimless kit installation**



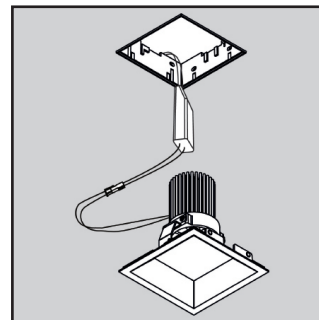
**3. Plaster and allow to dry fully**



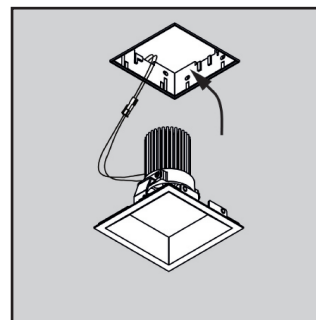
**4. Paint and allow to dry fully**



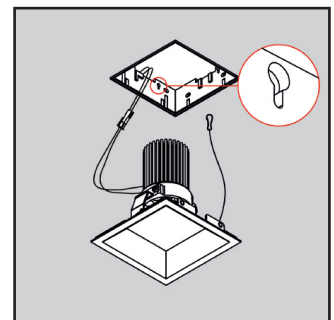
**5. Dropdown of power supply**



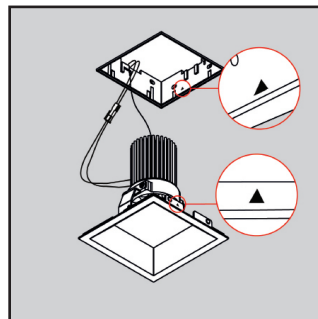
**6. Fixture wiring connection**



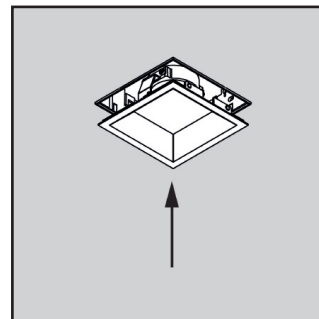
**7. Power supply re-installation**



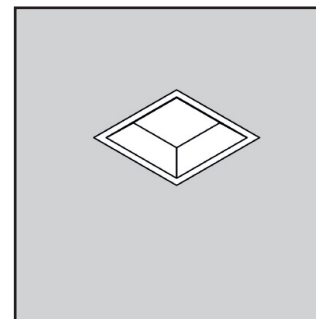
**8. Attach safety wire to keyhole**



**9. Align indicator on fixture with indicator on trim kit**



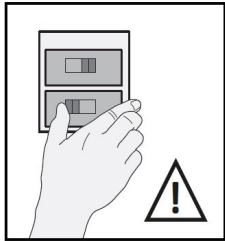
**10. Install fixture**



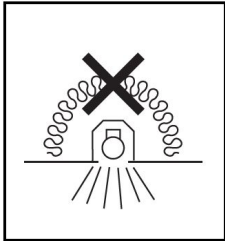
**11. Finished Installation**

LED Modules Instructions

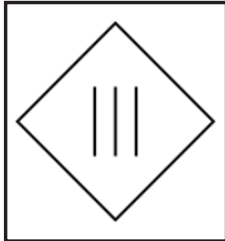
Installation and servicing of Lucent LED modules should always be carried out by a qualified and competent person, in conjunction with these instructions for the LED modules and the particular Lucent light fittings instructions.  
For further information or assistance contact Lucent Lighting.



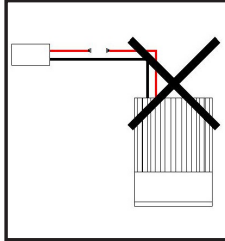
Switch off mains power before installation or servicing.



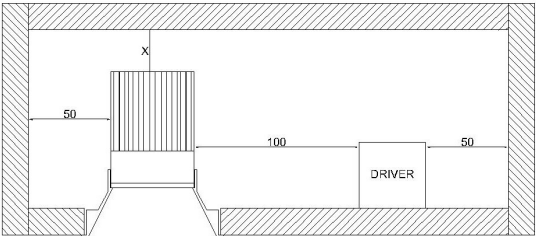
Do not cover luminaire & LED module with insulation material.



Lucent LED modules are all insulation class III. Drivers used must be SELV (<60Vdc)



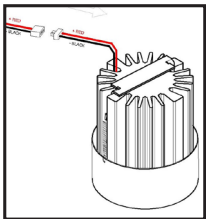
LED lead, if damaged, lead cannot be replaced, the LED module is to be replaced.



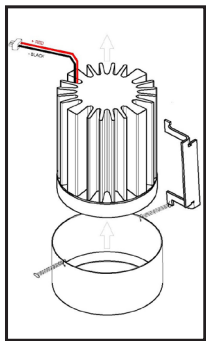
Leave the minimum distances detailed above around the luminaire and driver.  
X = LED35 modules, min. 15mm  
LED51 modules min. 25mm  
LED71 modules min 25mm  
Note some driver and fitting combinations may require a bigger recess depth to install driver.

Servicing LED modules.

Lucent LED modules are **non user** replaceable. LED modules should only be replaced a qualified person, the manufacturer or a similar qualified person.



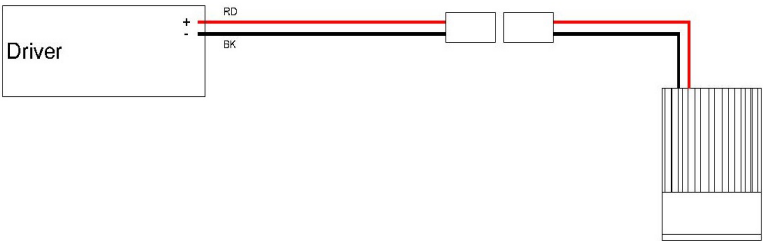
Switch off mains power.  
Disconnect LED module from the driver.  
Take off the fixing brace by removing the hooked spring to free the LED module.



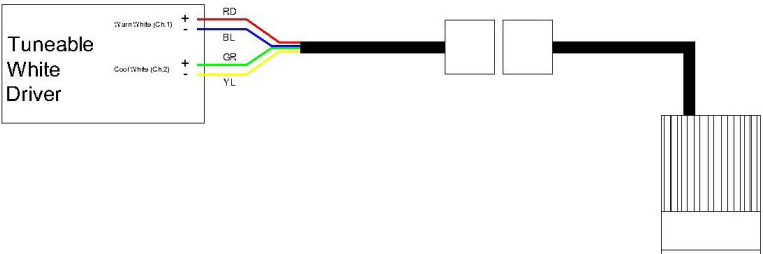
Remove the LED module.  
Reverse process to re-install the LED module and re-connect to the driver before turning on the mains power.

LED Module	Drive Current	Typ. forward volt	Mod. Power
LED35/2 LED35/U	350mA max.	18vdc	6.3w max.
LED51/2 LED51/U	350mA max	33vdc	11.6w
LED71 - LED71/U	700mA max	33vdc	23.1w
LED51WD	500mA	29.1vdc	15.6w
LED51TW	700mA	18.4vdc per Ch.	12.6w max. per CH.
LED71WD	1000mA	23.0vdc	23.0w
LED71TW	1000mA	23.4vdc per Ch.	23.4w max. per Ch.

All LED drivers supplied by Lucent will be pre-wired with a lead that has the correct connector to match the LED module used.  
If connectors removed, warranty will be void.  
If the driver needs to be replaced, or cables extended refer to following wiring diagrams.



For LED35/2, LED51/2, LED71, ULTRA & LED51WD, LED71WD.  
Refer to specific driver connections for the exact driver terminals configuration.



For LED51TW & LED71TW  
Refer to specific driver connections for the exact driver terminals configuration.

The recommended extended cable distance is 2 meters. However if distances greater than is is required please consult Lucent Lighting for alternative solutions.

Refer to specific driver connections for the exact driver terminals configuration.



The Luminaire should be positioned so that prolonged staring into the luminaire at a distance of 1.68m is not expected (applies ONLY to LED71 & LED71/U modules).