

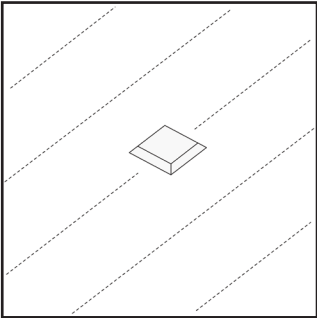
# Installation Instructions

For Micro40 Pyramidal, Square Edge and Soft Square Flange

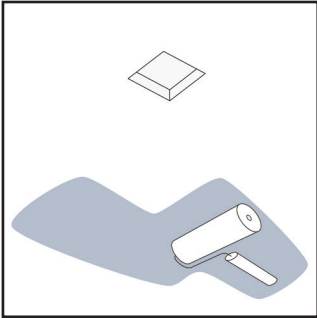
 **MAINS POWER TO BE SWITCHED OFF DURING INSTALLATION.**

Cut hole as follows:	
Pyramidal	1.46" x 1.46" 37mm x 37mm
Square Edge	1.46" x 1.46" 37mm x 37mm
Soft Square	1.46" x 1.46" 37mm x 37mm

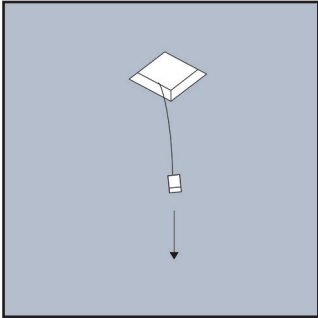
1. Cutout sizes



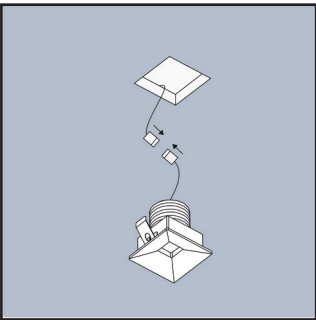
2. Plasterboard installation



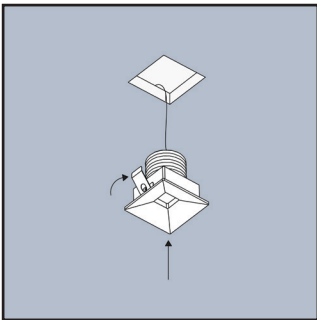
3. Finish ceiling



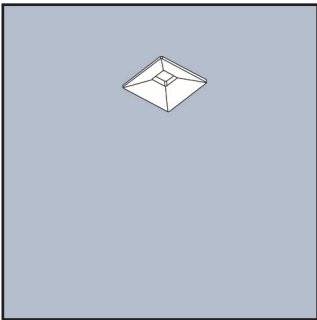
4. Dropdown of power supply connector



5. Fixture wiring connection



6. Press springs towards luminaire body and insert into ceiling cutout



7. Finished installation

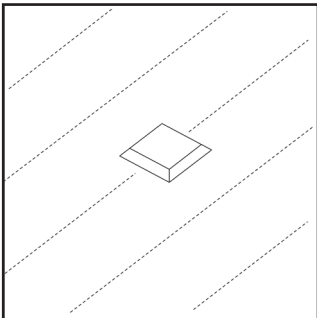
# Installation Instructions

For Micro40 Pyramidal and Square Edge Flangeless

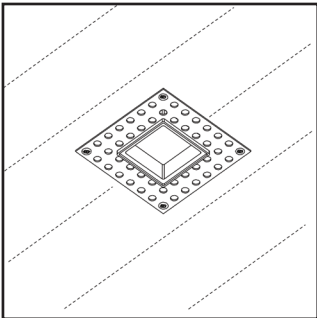
 **MAINS POWER TO BE SWITCHED OFF DURING INSTALLATION.**

Cut hole as follows:	
Pyramidal	1.5" x 1.5" 38mm x 38mm
Square Edge	1.5" x 1.5" 38mm x 38mm

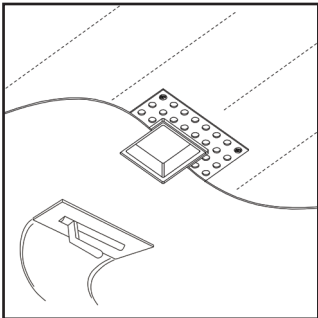
1. Cutout sizes



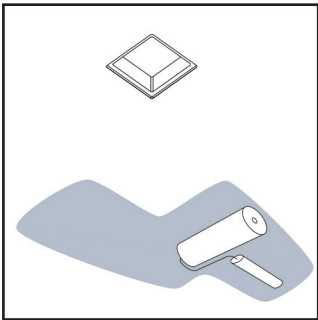
2. Plasterboard installation



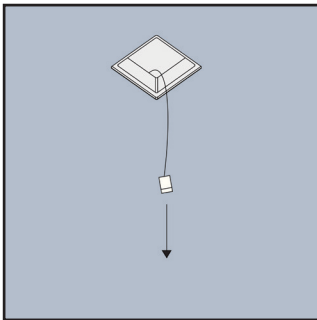
3. Flangeless mud in kit installation



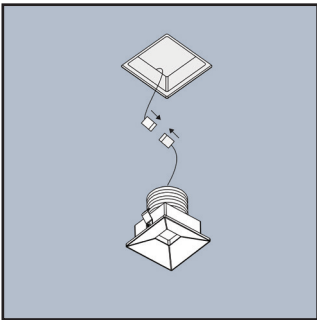
4. Mud in and allow to dry fully



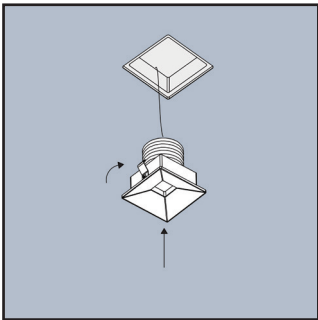
5. Paint and allow to dry fully



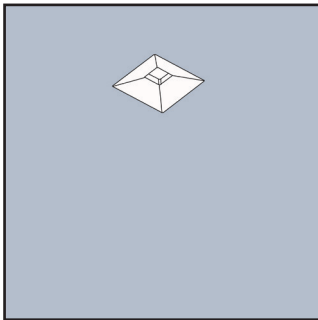
6. Dropdown of power supply connector



7. Fixture wiring connection



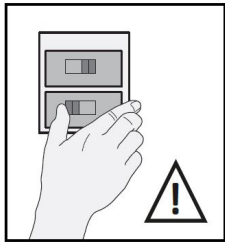
8. Press springs toward luminaire body and insert into mud in kit



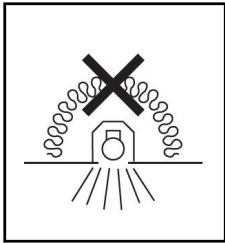
9. Finished installation

LED Fixtures Instructions

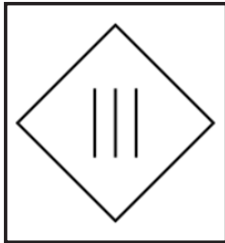
Installation and servicing of Lucent LED fittings should always be carried out by a qualified and compitant person, in conjunction with these instructions for the LED luminaires and the particular Lucent light fittings instructions. For further information or assistance contact Lucent Lighting.



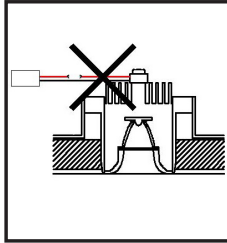
Switch off mains power before installation or servicing.



Do not cover luminaire & LED module with insulation material.



Lucent LED fittings are all insulation class III. Drivers used must have an output not exceeding voltage for SELV (<60Vdc)



Fixture lead, if damaged, lead cannot be replaced, the whole fixture is to be replaced.

LED Fixture type	Drive Current	Typ. forward volt	Fixture Power
Micro40	350/500/700mA	3vdc	1.05/1.5/2.1w
Micro40 Disc	500mA	3vdc	1.5w
Line1	350/500/700mA	3vdc	1.05/1.5/2.1w
Line2	350/500/700mA	6vdc	2.1/3.0/4.2w
Line5	350/500/700mA	15vdc	5.25/7.5/10.5w
Line10	350/500/700mA	30vdc	10.5/15/21w

It is recommended that Micro40 and Line fittings are used with remote mounted drivers, and in most cases it is not possible to install the drivers through the fixture's cut-out or installation kit. The Exception being Line5 and Line10, where it is possible to install some driver through the cut-out/installation kit. Please be aware a larger recess depth will be required allow installation in these instances. Consult Lucent Lighting for further details.

Micro40 and Line fixtures can be connected in series if required (except Line10). Exact minimum and maximum quantity of fixtures per driver will depend on the specification of the driver, and cannot exceed SELV (<60vdc) per series string. The table opposite indicates the maximum number of fixtures by type which can be connected on any given string. The minimum is determined by the specific driver's voltage range. Please consult Lucent Lighting for further details. Maximum series string length, depends on the load and voltage of the system, and based on a maximum cable size of 1.5mm2, a single Micro40 or Line1, max. 4meters. Line2 or 2 x Micro40 max. 8meters. Maximum quantity, maximum string 20meters. Based on 700mA drive current and an acceptable loss of 3%, and is based on a single core rubber insulated cable at an ambient temp of 30°C and clipped in free space. Any other installation method or cable type would require a more detailed calculation, which would have to be carried out by Electrical Consultant or similar. Also some drivers will be limited to max. 2meters, due to EMC. Always check before carrying out installation

LED Fixture type	350mA	500mA	700mA
Micro40	17	16	14
Micro40 Disc	17	16	N/A
Line1	17	16	14
Line2	8	8	7
Line5	3	3	2
Line10	1	1	1

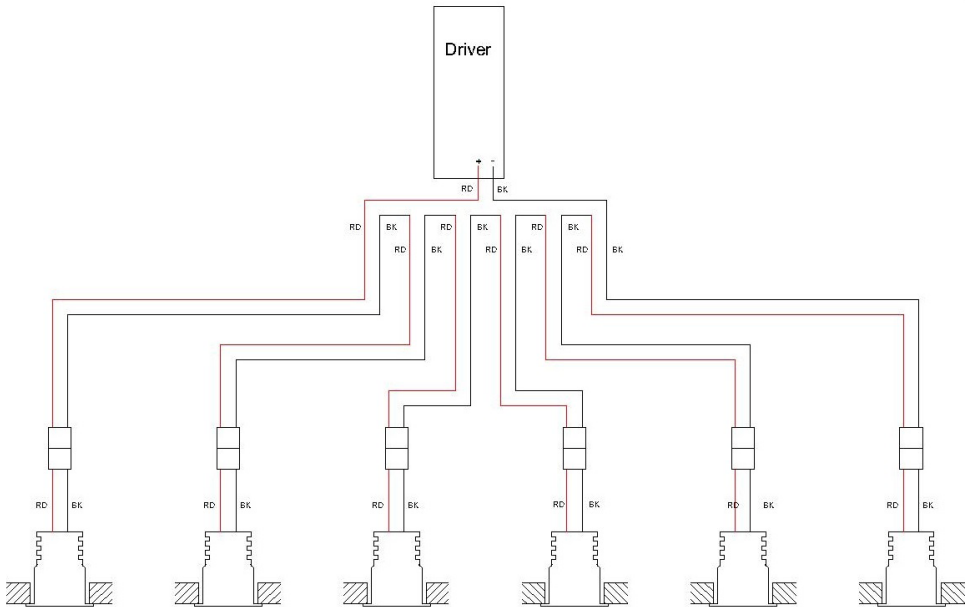


Illustration of typical series string connection

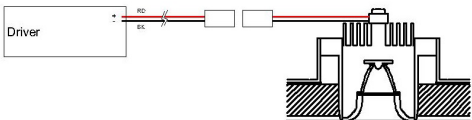


Illustration of Individual fixture/driver connection

Switch off mains power. Disconnect luminaire from the driver/LED string. Replace LED Fitting in string (not series string will not work with a fixture disconnected) before turning the mains power back on.

