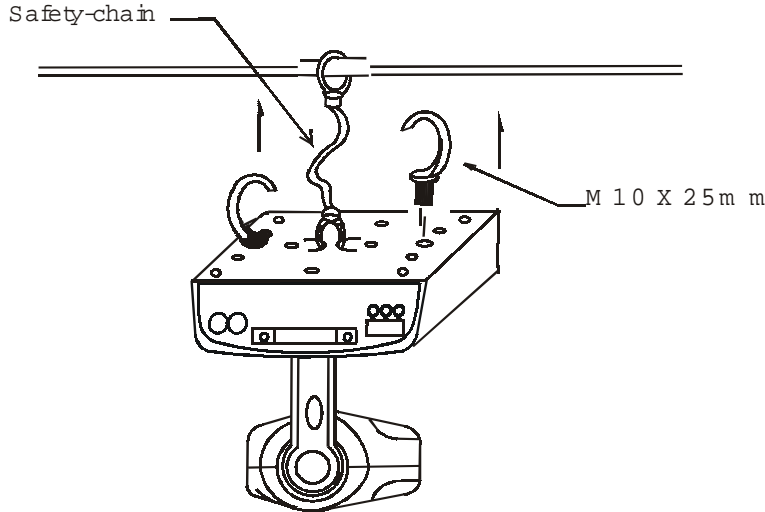


Installation Summary Sheet for Elektralite Fixtures.

[Warning: This is only a summary sheet for full installation instructions refer to the fixture's manual].

1. Installation of MY 150 & MY 250 using C clamps or threaded rod.



Using M10 (10mm) bolts screw the C clamps onto the base of **MY Fixture** make sure that the bolts are firmly tightened but take care not to over tighten. Fit a suitable safety chain to **MY Fixture** center hole and attach to the truss or whatever **MY Fixture** is attached to. M10 threaded rod can be substituted for the M10 bolts.

Metric explanation:- If you go to a good hardware store (like Home Depot or Lowes) you will be purchasing bolts that have written on the packaging 10mm x 1.5mm x 25mm. [The last figure of 25mm can be a higher value read on]. 10mm is the diameter of the bolt itself. 10mm is roughly 0.4 of an inch. In engineering drawings 10mm is also written or described as M10.

1.5mm is the distance between each thread or turn of the screw. Engineering drawings refer to this as the pitch of the screw. Now in places like Home Depot they stock 10mm bolts with 1.0mm, 1.25mm and 1.5mm pitch. So be careful you buy the right pitch: 1.5mm. Do not attempt to use any other bolt apart from M10 (10mm) with a 1.5mm thread. If you try to force a wrong bolt size the threads in the holes will be ruined and rendered useless as a load bearing point. Then you'll have to replace the base of the fixture.

25mm is the minimum length of bolt you should use. Bolts are available in 5mm steps. So you can get 25mm, 30mm, 35mm and so on. Choose the bolt that best fits the length you will need to hold the C clamp or whatever clamping device you will be using. Obviously the length of the threaded rod is up to you but remember the longer the rod the more likely the fixture is to flex and move "by itself" due to the momentum and shear weight of the fixture.

Finally, just FYI 25.4mm is 1 inch.

2. Installation of MM 200.

Use an appropriately sized C clamp or threaded rod strong enough for mounting **MM 200**.

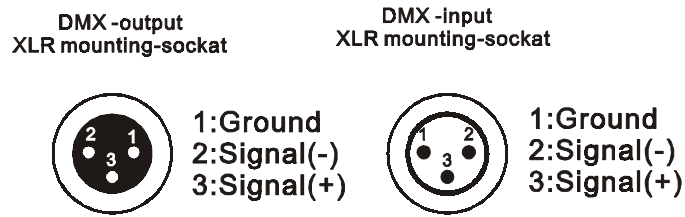
The installation must always be secured with a backup safety attachment: namely an appropriate sized safety cable. Don't clamp the safety to the same threaded rod or the same C clamp. That defeats the reason for a safety cable....namely a SEPARATE backup to the primary hanging mechanism.

3. DMX Control Connection for all Elektralite Fixtures.

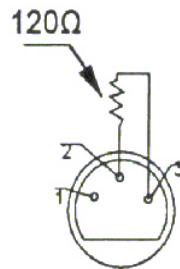
Connect the 3 pin XLR cable to the DMX controller and then to the first **Elektralite fixture** in the daisy chain. Doing it this way round avoids the pain of rewiring, if you get the wrong end of the cable back at the controller.

Continue wiring from one **Elektralite fixture** to another in a daisy chain manner. Never try to Y split cables. Never try to "star wire" a DMX cable run, it will not work.

If additional cable needs to be made up then two-core cable with a screen needs to be purchased. For wiring please see the diagram below.



DMX has a maximum running distance of 330 feet. When long distances are involved then there is a tendency for electrical noise to be evident. In that case, a DMX terminator will be required. The terminator helps prevent corruption of the DMX signal. To make a DMX terminator simply solder a 120 ohm resistor across pins 2 and 3 of an XLR male connector. Then place that connector at the very end of the DMX cable run. In other words, at the last **Elektralite fixture**.



It maybe the case that you will need to connect a 5 pin XLR to the 3 pin XLR. In a normal DMX wiring configuration, the 5 pin is soldered identically to the 3 pin. So in the 5 pin

- 1: Ground
- 2: Signal (-)
- 3: Signal (+)

Pins 4 and 5 are not used. Be very sure you read the pin numbering on the connector when you solder up the connector. Do not just wire up the three pins to the left or right because the male and female connector has the pins on different "sides" of the connector! Read the pin numbers.