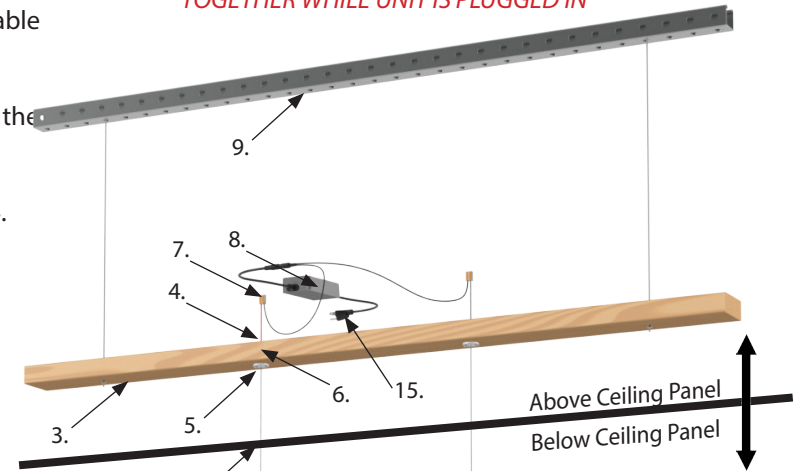# Charisma Lightwire SEG™ Electrified Cable - XLW Series

1. Fully assemble the light box (separate instructions available for each light box profile).
2. Measure the spacing between the Lightwire cables on your light box.
3. Cut a wood 2x4 long enough to mount 2 Lightwire cables into, and mark the positioning of the cable spacing.
4. Drill a 1/8" diameter hole through the 2x4 for each Lightwire cable at the measured spacing .
5. Use wood screws to mount the provided ~2" diameter mounting plates centered over the hole in the 2x4 you drilled. Mounting plates should be mounted to the underside of the 2x4.
6. Feed the Lightwire cables through the 2x4 from the top. Ensure that the steel weight on the Lightwire cable won't pull through the mounting plate. The steel weight should be above the 2x4.
7. Attach the positive and negative leads from the ballast to the positive and negative cables as indicated using the provided snapping orange connector.
8. Mount the ballast to the 2x4 or other secure location.
9. Mount the 2x4 to a Unistrut or other ceiling structure which is more than sufficient to bear the weight of the full assembly.
10. Drill or otherwise cut a 1/8" diameter hole in the ceiling surface .
11. Feed the lightwire cables that are already in the 2x4 down through the holes in the ceiling.
12. Lift the light box up to where the lightwire cables are hanging, matching positive and negative where indicated.
13. NOTE – The wire length can be trimmed as needed on-site. Use a strong and sharp set of wire cutters to reduce fraying.
14. Depress the stopper (small top cylinder) at the top of the box to feed in the Lightwire cable. Be careful when feeding as hitting the sides or being forceful may cause the wire to fray. The wire shouldn't be contacting the box itself, if it is, while depressing the stopper retract the wire as needed.
15. Plug in the ballast – Light box should illuminate immediately.
16. Troubleshooting – If for some reason the light box doesn't turn on, check for a short. Ensure the Lightwire cables aren't touching the light box and that there's no conductive surface connecting the two sides. If it still isn't working, take the lightwire cables out, rotate the lightbox and re-insert the wires. If this works, your cables are flipped.

CAUTION: DO NOT TOUCH HANGING WIRES TOGETHER WHILE UNIT IS PLUGGED IN

Above Ceiling Panel

Below Ceiling Panel

ELECTRICAL NOTE:
This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable codes. This includes proper grounding and bonding of the sign.