

LINEAR DOWNLIGHT INSTALLATION INSTRUCTIONS

- SAVE THESE INSTRUCTIONS

CAUTION: Read and understand these entire instructions before proceeding.

WARNING: All electrical installations must be done according to local codes or the National Electric Code (NEC), whichever applies.

WARNING: RISK OF FIRE! MOST DWELLINGS BUILT BEFORE 1985 HAVE SUPPLY WIRE RATED FOR 60°C! Some fixtures require supply wires rated for more than 60°C. Wiring must be rated for 90°C for safe installation of this fixture.

WARNING: Installation must be performed by qualified personnel only!

WARNING: Do not install in wet locations.

WARNING: Disconnect power BEFORE installing or servicing the fixture.

WARNING: Do NOT exceed the maximum wattage rating, if applicable, or voltage rating as indicated on the fixture label.

WARNING: DO NOT connect this fixture to an electrical system that does not provide a means for equipment grounding.

CAUTION: This fixture can be used with ceilings of any type, including hung ceilings providing fixture is supported independently of the ceiling grid.

WARNING: This fixture is NOT Chicago Plenum Rated unless Labeled as such.

WARNING: This fixture is NOT IC (Insulation Contact) Rated unless Labeled as such. Do NOT install within 3" of any insulation material on the fixture sides or top, unless the fixture is Labeled as IC Rated.

CAUTION: When installing the luminaire on a circuit containing a dimmer, insure that the dimmer is properly rated for the load (wattage) and load type (Halogen, Incandescent, LED, Fluorescent). Do not install a luminaire containing a non-dimmable transformer, ballast or driver on a circuit containing a dimmer. Damage to the luminaire may result.

1) Pull the TRIM PLATE down, away from the LAMP HOUSING as far as it will go (See Diagram 1).

2) Remove the TRIM PLATE from the LAMP HOUSING by firmly compressing one of the TORSION SPRINGS, and then disengage the spring from its slot. Repeat for the other TORSION SPRING and set the TRIM PLATE aside.

3) Assemble the BUTTERFLY BRACKETS with the supplied wing nuts and carriage bolts (See Diagram 2). Tighten the wing nuts.

DIAGRAM 1

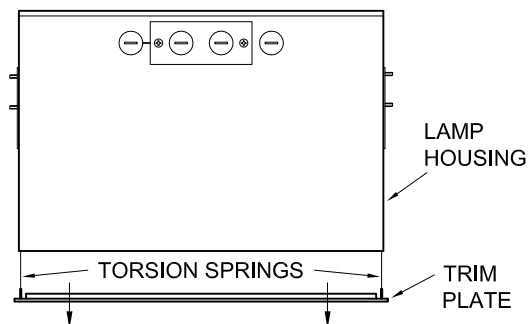
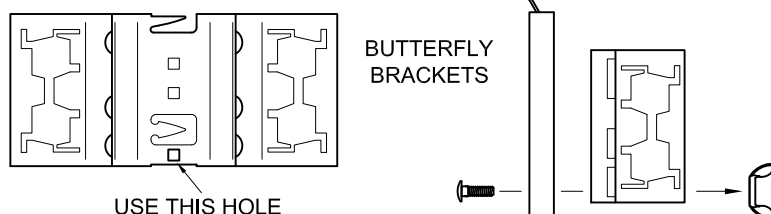



DIAGRAM 2



4) Attach the BUTTERFLY BRACKETS to the fixture SUPPORT PLATES with the 4 lock-nuts provided (See Diagram 3). NOTE: There are two positions for mounting the brackets. Which one to use will depend on the location of the ceiling runners* to which the fixture will be supported. Most installations will require the lower position, so start there.

* Ceiling runners may consist of ceiling tile grids, girders, beams, joists, truss, or any combination of these.

5) Install mounting channels* horizontally through a pair of BUTTERFLY BRACKET slots (See Diagram 4) and set the mounting channels onto the ceiling runners. NOTE: If 1/2" EMT is used, there is an arrowhead shaped tab  located in line with one of the slot-pairs on the BUTTERFLY BRACKET. If that slot-pair is used, then prying the tab outward 90° will allow it to "bite" into the EMT thereby preventing the fixture from shifting. Gently squeeze the BUTTERFLY BRACKET in order to slip the EMT into the slot pair and release.

* Mounting channels may consist of bar hangers, metal channels, 1/2" EMT, or any combination of these. Mounting channels always by others.

6) Using the wing nuts on the BUTTERFLY BRACKETS, set the fixture to the appropriate height. The bottom rim of the fixture should be flush with the intended finished ceiling when the TRIM PLATE is to be used. For trimless installations, it is recommended that the rim sit 1/8" below the intended finished ceiling. This will create a 1/8" mud edge for the drywall compound. NOTE: If the desired height cannot be obtained, then the position of the BUTTERFLY BRACKETS may need to be changed in order to make the fixture work with the existing ceiling runners. This can be done by using a different hole (See Diagram 2) or mounting position (See Diagram 3), or a combination thereof.

7) Secure the BUTTERFLY BRACKETS to the mounting channels using wire tie-downs (by others).

8) Secure the mounting channels to the ceiling runners using wire tie-downs (by others) or some other approved method. NOTE: For hung ceilings, cut out and install the ceiling tile prior to using the wire tie-downs. Remember though, that the fixture must be supported independently of the ceiling grid.

9) Remove WIREWAY COVER (See Diagram 5) and make all electrical connections using approved 1/2" Trade Size connectors. Refer to the table below for wire identification. The fixture is rated for daisy-chaining electrical connections. Replace cover after all electrical connections are made. NOTE: For some installations, such as those using 1/2" EMT or RIGID conduit, it may be easier to remove the top cover and use the 1/2" Trade Size knock-out(s) on the fixture ends.

BLACK (or BROWN) to HOT,	If required for 0-10V dimming,
WHITE (or BLUE) to NEUTRAL,	VIOLET to [+] (usually violet),
GREEN to GROUND,	PINK to [-] (usually grey or pink)

If required for DMX/RDM,
see also INSTR 0098

10) After the ceiling has been installed, replace the TRIM PLATE by reversing the first 2 steps, or, for trimless applications, install drywall and drywall tape around the perimeter of the fixture rim, and apply mudding compound.

SERVICING: WARNING! DISCONNECT POWER BEFORE SERVICING! Remove the TRIM PLATE (if present) and the 2 nuts on either side of the internal housing. This will allow the internal housing to be gently lowered and removed from the main, outer housing (it will still be tethered to the main housing by 2 steel cables). You now have access to all internal components for servicing. The driver/ballast mounting plate (if present) is held in place with two phillips head screws at either end. Remove these 2 screws to lower and have full access to the driver/ballast mounting plate and electrical feed connections. If this fixture is data controlled, the data connector and its connections can also be accessed by: 1st, removing the 2 wing nuts in the upper, inside corner of the housing, and, 2nd: gently pulling the data connector and its attachment plate out and down. Reverse all of the above steps to re-assemble the fixture.

DIAGRAM 3

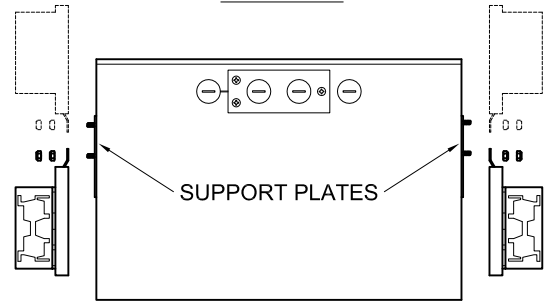


DIAGRAM 4

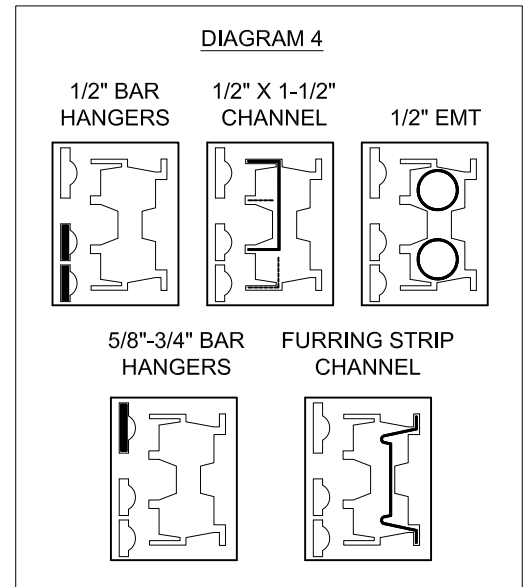


DIAGRAM 5

