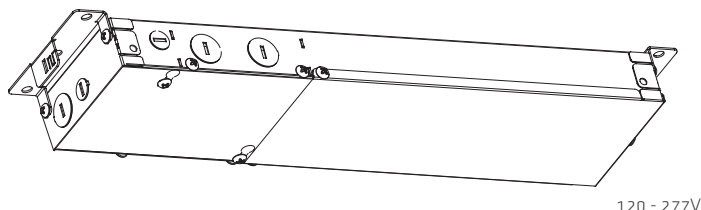
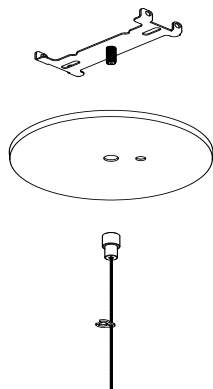


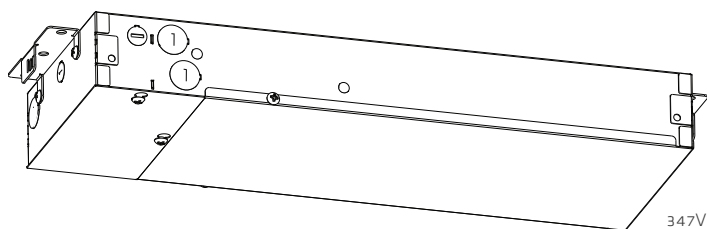
## INSTALLATION: DRIVER ENCLOSURE

Ceiling Type Structure Mount

Version Remote



120 - 277V



347V



### TOOLS + MATERIALS REQUIRED

#### Tools:

- Ceiling Anchor Tools
- Laser Line Tool
- Measuring Tool
- Lineman Pliers
- Conduit & Wiring Tools
- Phillips Screwdriver

#### Materials:

- Ceiling Anchors
- 4" Octagon J-Box
- Screws (for wall mount)

### IMPORTANT

All fixtures should be installed in accordance with national and local building and electrical codes.

This product can be installed in recessed ceilings if proper access and spacing criteria is met.

In recessed or non-recessed installations, keep insulation, building members, and other driver enclosures at least 3 inches (76mm) away from all sides of the enclosure.

In addition, for model IDC-R24 or models IDC-R2101 through to IDC-R2600, note the following regulatory requirement. Install with minimum spacing between:

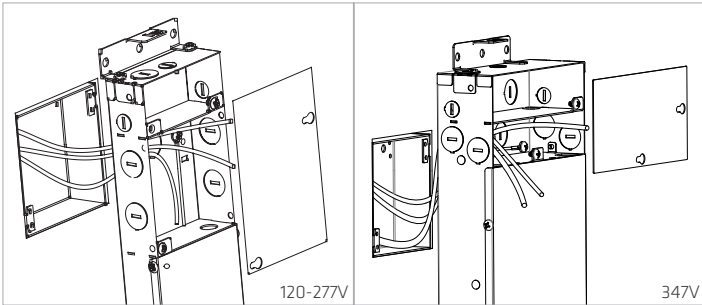
- center-to-center of adjacent luminaires: 24 inches (600mm)
- top of luminaire driver enclosure to overhead building member: 0.5 inches (13mm)
- luminaire driver enclosure mount center to side of building member: 12 inches (300mm)

### 1 DETERMINE SUSPENSION POINT LOCATIONS

*Refer to Row Configuration Document*

Layout the luminaire suspension point locations and create a center line along the luminaire run using a laser or chalk line. Luminaire suspension points are 48" or 96" apart, depending on the luminaire. For a continuous run luminaire, note the location of the "non-power" suspension point (one point in from one of the ends).

**2 RECESSED J-BOX OPTION: LINE VOLTAGE WIRING**



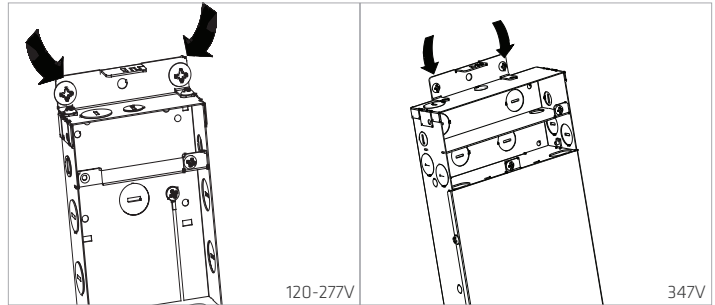
For RECESSED Junction Box only:

1. Break the rear knockout and feed source line voltage wires in driver box "line voltage cavity".
2. Connect wires to driver after mounting driver enclosure.

NOTE: For Dimming Control Wiring:

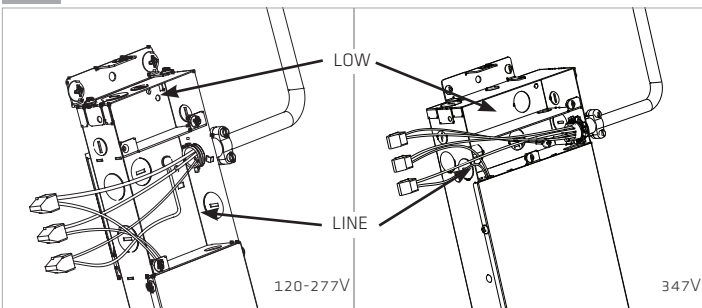
1. Follow product label indicating whether dimming wiring is Class1 or Class2, Class1 Only, or Class2 Only.
2. Wire recessed J-box dimming control wires as Class1 with the line voltage wires or in separate conduit.

**3 MOUNT DRIVER ENCLOSURE**



Mount driver enclosure to the ceiling or wall using 1/4"-20 anchors or appropriate screws (supplied by others).

**4 SURFACE J-BOX OPTION: LINE VOLTAGE WIRING**



For SURFACE Junction Box + Conduit only:

Wire the source line voltage to driver box "line voltage cavity" from either side and connect wires to driver wiring.

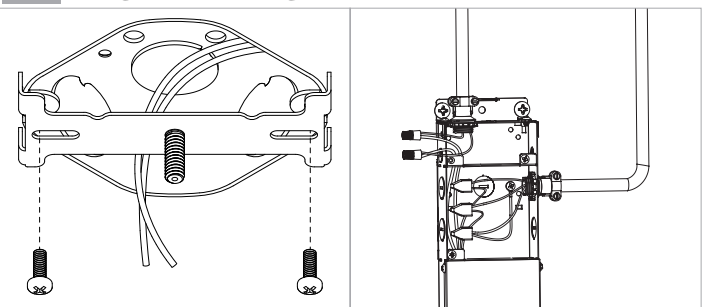
NOTE:

The driver enclosure can be used as a junction box to daisy chain source line voltage wiring to the next luminaire.

For Dimming Control Wiring:

1. Follow product label indicating whether dimming wiring is Class1 or Class2, Class1 Only, or Class2 Only.
2. For Class1 dimming control wiring, make connections in Line Voltage Cavity and wire field dimming wires with the line voltage wires or in separate conduit.
3. For Class2 dimming control wiring, route the driver dimming wires through the barrier hole to the Low Voltage Cavity and make connections to field Class2 dimming wires in the Low Voltage Cavity. Use the knock-outs in the Low Voltage Cavity for the field Class2 dimming wires. A duplex conduit fitting (by others) will be required for the 1/2" trade knockout to accommodate both the fixture low voltage wiring and Class2 dimming control wiring.

**5 RECESSED J-BOX OPTION: INSTALL SUSPENSION BRACKET + WIRING**

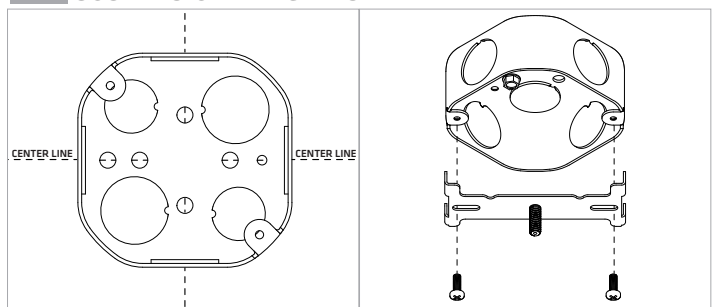


1. Mount the brackets to the J-Box using J-Box screws (by others)
2. For PRE-INSTALLED RECESSED Octagon Junction Boxes and Conduit: Wire the j-box with low voltage wires from the Remote Driver Enclosure (see table of distance vs. wire gauge).

NOTE: 120-277V Driver Enclosure shown. Same step applies to 347V enclosure.

Skip to step #8 for non-power suspension points.

**6 SURFACE J-BOX OPTION: INSTALL J-BOX + SUSPENSION BRACKETS**

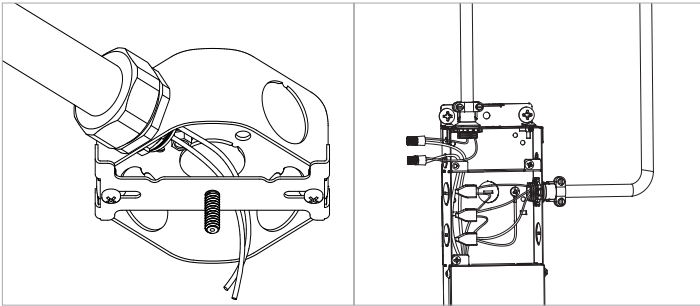


1. Using the ceiling center line, align Octagon J-Box (by others) and mount it as per national standards for suspended products.
2. Mount the bracket to the J-box using J-Box screws (by others).

NOTE: This applies for power and non-power suspension points.

Skip to step #8 for non-power suspension points.

**7 SURFACE J-BOX OPTION: WIRING SUSPENSION POINT**



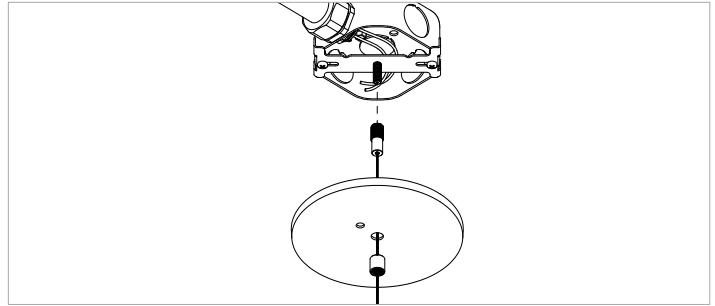
Wire the J-box with low voltage wires from the Remote Driver Enclosure (see table of distance vs. wire gauge).

**NOTE:** 120-277V Driver Enclosure shown. Same step applies to 347V enclosure.

Distance (ft), up to:	Recommended Wire Gauge for Minimal Losses (AWG)
30	18
50	14
80	12

Table 1. Low Voltage Distance vs. Wire Gauge

**8 INSTALL CEILING CANOPY + AIRCRAFT CABLE**



1. Install aircraft cable and remove outer threaded sleeve.
2. Temporarily install ceiling canopy with threaded sleeve.