INSTALLATION: DRIVER ENCLOSURE

Ceiling Type: Drywall
Version: All drywall versions

DRYWALL INSTALL OPTIONS

OPTION 1: New Construction

Drywall fixtures can be installed in new construction or retrofit in an existing ceiling. Please refer to the section appropriate for your installation situation.

OPTION 2: Retrofit
TOOLS + MATERIALS REQUIRED

**Tools:**
- Laser Line Tool
- Measuring Tool
- Conduit + Wiring Tools
- Philips Screwdriver
- Drywall Router

**IMPORTANT**

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

Do not install insulation within 3 inches (76mm) of any part of the enclosure.

For model IDC-D24 or models IDC-D2101 through to IDC-D2600, note the following regulatory requirements.

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. 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 INSTALL ROUGH-IN FRAME

1. Install appropriate Drywall Rough-in Frame - centered over the desired suspension point location.
2. Tighten hanger bar screws.

Skip to step #6 for non-power suspension locations.

3 ATTACH DRIVER ENCLOSURE CONDUIT

Install driver enclosure flexible conduit to lower right or left knockout location only.

NOTE: Driver enclosure can be mounted in two 90° orientations (see step #9). Ensure there is clearance for at least one orientation. Otherwise rotate rough-in frame 90° or entire hanger bar assembly 180°.

4 WIRE JUNCTION BOX

1. Wire junction box with source line voltage wiring, into opposite left/right knockout location or top knockout if using Class2 dimming control wiring divider.
2. Complete all wiring to the driver enclosure flexible conduit wires.
3. Close junction box lid.

NOTE: 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, the diagonal divider can be removed and the whole J-box used to make all Class1 connections. Class1 dimming wires can be wired with line wires or in a separate conduit.
3. For Class2 dimming control wiring, route driver dimming wires through the barrier hole and make field Class2 dimming wire connections. The line voltage connections are to be made on the opposite side of the barrier.

5 POSITION DRIVER ENCLOSURE

Place driver enclosure on top of junction box.

6 PREPARE DRYWALL CEILING

Have drywall installed and luminaire hole cut.

7 PUSH BRACKETS INTO POSITION

Push all 4 drywall brackets into position as shown.
Skip to step #10 for non-power suspension points.
8 INSTALL SUSPENSION PLATE TO ENCLOSURE

1. Pull driver enclosure out of the ceiling.
2. Attach metal suspension plate with supplied screws.
3. Reposition driver enclosure back into ceiling.

9 ORIENT DRIVER ENCLOSURE

Enclosure can be positioned in one of two 90° orientations, depending on ceiling obstructions.

10 INSTALL ENCLOSURE/SUSPENSION PLATE

Position enclosure/suspension plate over bracket screws and tighten screws.

11 INSTALL AIRCRAFT CABLE

Install aircraft cable and remove outer threaded sleeve.

12 INSTALL CEILING CANOPY

Temporarily install ceiling canopy with threaded sleeve.
TOOLS + MATERIALS REQUIRED

Tools:
- Laser Line Tool
- Measuring Tool
- Pencil
- Side Cutters or Lineman Pliers
- Drywall Saw
- Conduit + Wiring Tools
- Phillips Screwdriver

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

Do not install insulation within 3 inches (76mm) of any part of the enclosure.

For model IDC-D24 or models IDC-D2101 through to IDC-D2600, note the following regulatory requirements.
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**

   Layout the luminaire suspension point locations. 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. **MAKE CUTOUTS IN DRYWALL**

   1. Use a Drywall Rough-in Frame to mark the hole size on the surface (4-¾” diameter).
   2. Cut out the luminaire holes in the drywall.

3. **SEPARATE TABS + REMOVE HANGER BARS**

   1. Separate the break-out tab from the Rough-in Frame.
   2. Remove hanger bars.

   Skip to step #7 for non-power suspension points.

4. **ATTACH DRIVER ENCLOSURE TO JUNCTION BOX**

   Wire driver enclosure flexible conduit to J-box lower right or left knock-out locations only.

5. **ATTACH SUSPENSION PLATE**

   Attach metal suspension plate to driver enclosure with supplied screws.

6. **PREPARE LINE VOLTAGE KNOCK-OUT**

   Break knock-out(s) for source line voltage in Rough-In Frame J-box and Class2 dimming controls if necessary.

   **Note:** Follow product label indicating whether dimming wiring is Class1 or Class2, Class1 Only, or Class2 Only.
7 INSTALL CEILING FRAME

Install Rough-in Frame into drywall ceiling as shown.

NOTE: Driver enclosure can be mounted in two 90° orientations (see step #11). Ensure there is clearance for at least one orientation. Rotate rough-in frame accordingly.

8 PUSH BRACKETS INTO POSITION

Push all 4 drywall brackets into place as shown. Skip to step #12 for non-power suspension points.

9 WIRE JUNCTION BOX

Wire junction box with source-line voltage wiring, completing all wiring to the driver enclosure flexible conduit wires. Close junction box.

NOTE: 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, the diagonal divider can be removed and the whole J-box used to make all Class1 connections. Class1 dimming wires can be wired with line wires or in a separate conduit.
3. For Class2 dimming control wiring, route driver dimming wires through the barrier hole and make field Class2 dimming wire connections. The line voltage connections are to be made on the opposite side of the barrier.

10 INSTALL DRIVER ENCLOSURE

Position driver enclosure into ceiling.

11 ORIENT DRIVER ENCLOSURE

Enclosure can be positioned in two 90° orientations, depending on ceiling obstructions.
12 INSTALL ENCLOSURE/SUSPENSION PLATE

Position enclosure/suspension plate over bracket screws and tighten screws.

13 INSTALL AIRCRAFT CABLE

Install aircraft cable and remove outer threaded sleeve.

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Install aircraft cable and remove outer threaded sleeve.

14 INSTALL CEILING CANOPY

Temporarily install ceiling canopy with threaded sleeve.