INSTALLATION GUIDE   FPNN Series LED Flat Panel

PacLights
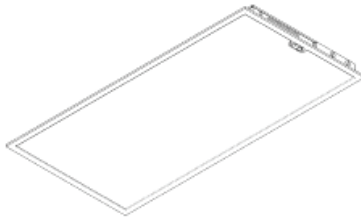
FPNN - 22D30   FPNN - 24D50   FPNN - 14D30

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
PacLights fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety.
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.
WARNINGS:
*   **Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.**
*   **To prevent wiring damage or abrasion, do not expose wiring to edges of sharp objects.**
CAUTION:
*   **For proper weatherproof function all gaskets must be seated properly and all screws inserted and tightened firmly. Apply weatherproof silicone sealant around the edge of the Back Box and/or Junction Box. This is especially important with an uneven wall surface. Silicone all plugs and unused conduit entries.**

PIR/DAYLIGHT SENSOR (OPTIONAL)

All models of FPNN are Bluetooth Network Conrol enabled. Remove the Sensor Cover (Fig. 1). Install the PIR Sensor to the FPNN fixture by attaching the Connector to the PIR Sensor and press into place on the FPNN fixture (Fig. 2).
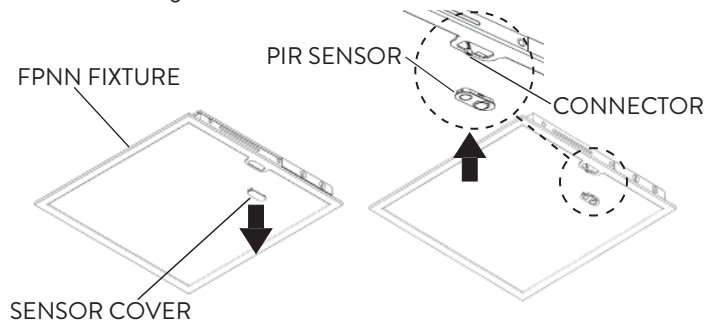
FPNN FIXTURE

PIR SENSOR

CONNECTOR

SENSOR COVER

FIG. 1   FIG. 2

RESET / DECOMMISSION

A FPNN fixture can be de-commissioned from any Network Zone manually by 'long pressing' for 5 seconds the 'Reset' Button that is located on the Bluetooth Driver inside the FPNN fixture Panel. Lift the fixture Panel Cover (Fig. 3). The 'Reset' Button is located at the end of the Bluetooth Driver between the Wire Connectors (Fig. 4).
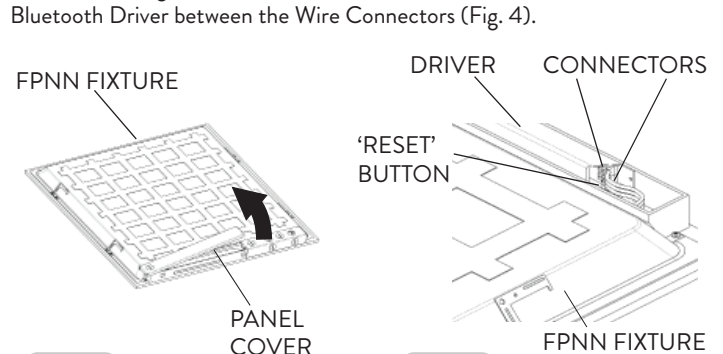
FPNN FIXTURE

DRIVER   CONNECTORS

'RESET' BUTTON

PANEL COVER

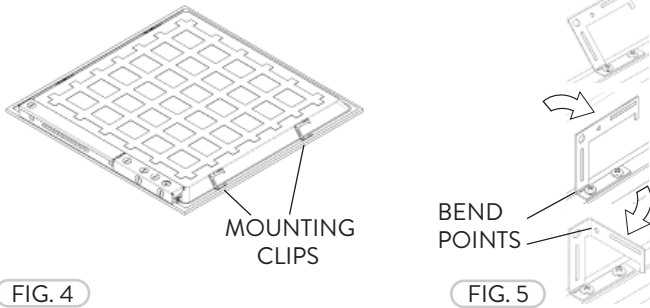FPNN FIXTURE

FIG. 3   FIG. 4

WIRING DIAGRAM

Connect the ACL and the ACN from the FPNN Fixture to the conduit with the AC power Supply Cable. Follow the Wiring Diagram provided.
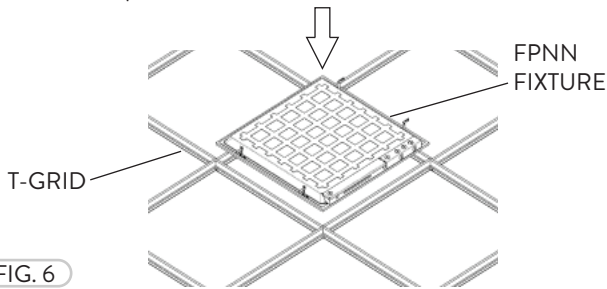
AC POWER SUPPLY

HOT [BLACK]

NEUTRAL [WHITE]

GROUND [GREEN]

INPUT

FPNN DRIVER

FPNN MOUNTING ONTO T-GRID

1 The Mounting Clips (4) are located at the sides of the FPNN fixture (Fig. 4). Use Pliers to bend the Mounting Clips at the appropriate bending points. First bend up at the base, then carefully bend out to 90°at the top of the Clip (Fig. 5) (For safety wear work gloves).
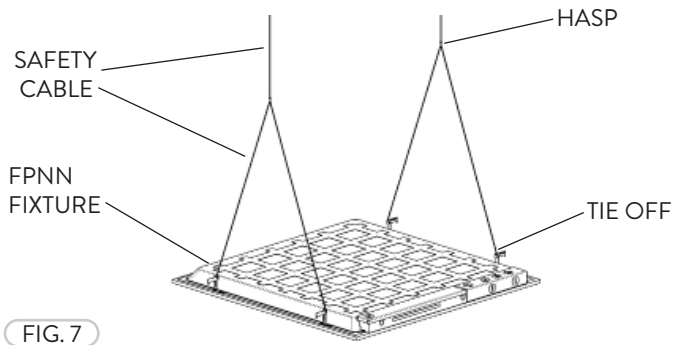
MOUNTING CLIPS

BEND POINTS

FIG. 4

FIG. 5

2 Insert the FPNN fixture onto the T-Grid (Fig. 6). The Mounting Clips will set on top of the T-Grid.
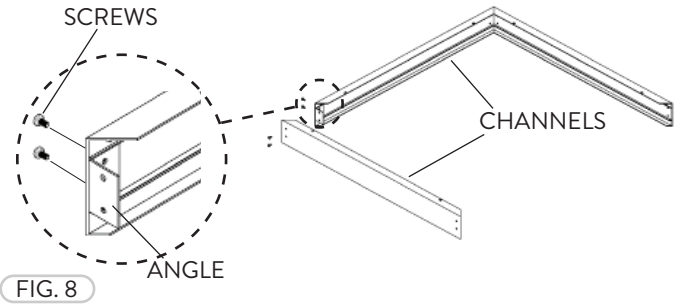
FPNN FIXTURE

T-GRID

FIG. 6

OPTIONAL FPNN SUSPENDED MOUNT

Secure Safety Cable to Mounting Clip holes as needed to meet local seismic requirements. Safety Cable and method of attachment to the building provided by contractor according to local building codes. Use a Safety Cable (hanger wire) to tie off appropriately (Screws and hanger wires supplied by others) (Fig. 7).
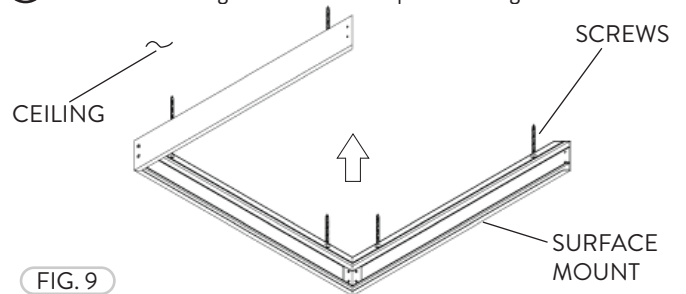
HASP

SAFETY CABLE
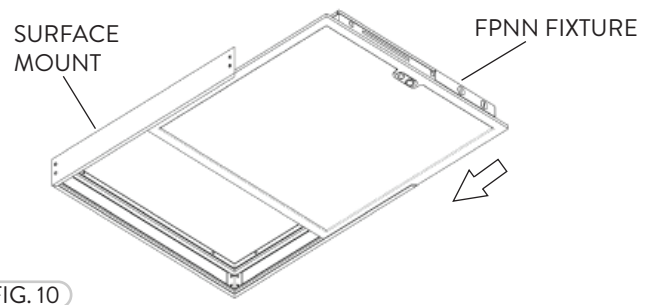
FPNN FIXTURE

TIE OFF

FIG. 7

OPTIONAL FPNN SURFACE MOUNT

1 Start off by assembling three of the Channels together. Use Screws to fasten the Angles to the corners of the Channel frame (Fig. 8).
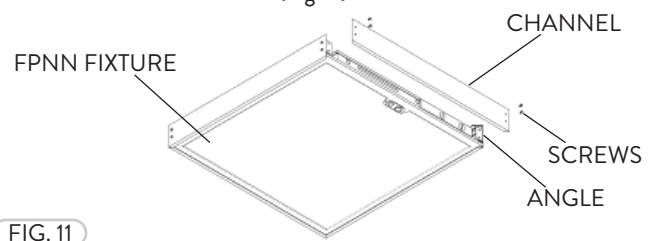
SCREWS

CHANNELS

ANGLE

FIG. 8

2 Fasten the three Channels of the Surface Mount to the Ceiling surface. Mounting Bolts/Screws not provided (Fig. 9).

SCREWS

CEILING

SURFACE MOUNT

FIG. 9

3 Slide in the FPNN fixture through the open side of the Surface Mount (Fig. 10). This is when all the wiring installations should be made as well. Refer to the wiring diagram.

SURFACE MOUNT

FPNN FIXTURE

FIG. 10

4 Once the FPNN fixture is properly installed into the Surface Mount, fasten the last two Angles and side Channel with Screws to completely enclose the FPNN fixture (Fig. 11).

CHANNEL

FPNN FIXTURE

SCREWS

ANGLE

FIG. 11

PacLights

OPTIONAL DRYWALL RECESSED FLANGE

1 Start off by assembling the Recessed Flanges together by fastening the Screws to the corners of the Recessed Flanges (Fig. 12).
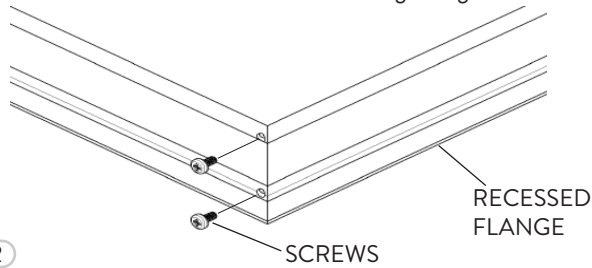
RECESSED FLANGE

FIG. 12   SCREWS

2 Notch out the ceiling drywall surface. Insert the preassembled Recessed Flange frame flush to the ceiling leaving the Flanged Side underneath the ceiling. If the drywall ceiling is thin install Cables to support the frame and the FPNN fixture. Cables are not included with the Recessed Flange frame (Fig. 13).
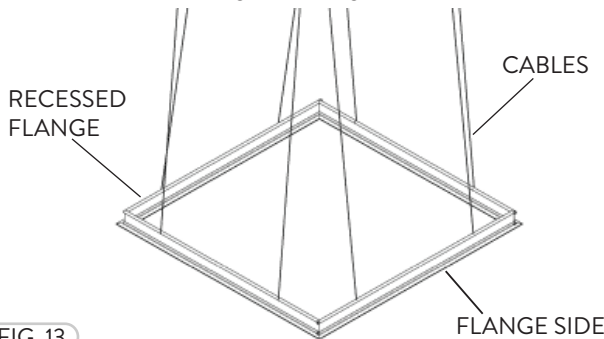
CABLES

RECESSED FLANGE

FIG. 13   FLANGE SIDE

3 After the frame is properly installed into the ceiling, one can then mount the FPNN fixture. Carefully mount the FPNN fixture onto the Recessed Flange and adjust any Aircraft Cables if necessary (Fig 14). Please refer to wiring diagram for wire installation.
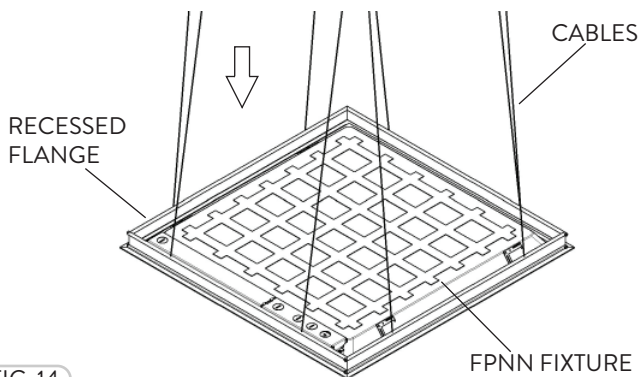
CABLES

RECESSED FLANGE

FIG. 14   FPNN FIXTURE

4 If the Drywall ceiling is at least 1" thick, then the Recessed Flange Frame can be fastened from the sides. See 'cut-out' below (Fig. 15). Mounting screws are not included.
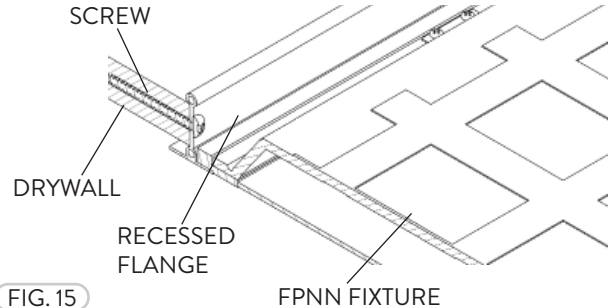
SCREW

DRYWALL

RECESSED FLANGE

FIG. 15   FPNN FIXTURE