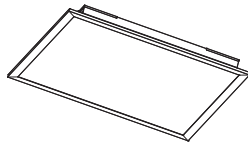


Items:

F-L22/30/40K/D/BL-87 F-L22/30/40K/D/BL/EM F-L22/20/40K/D/BL-87 F-L22/40/CTS/EM/BL
 F-L22/30/50K/D/BL-87 F-L22/30/50K/D/BL/EM F-L22/20/50K/D/BL-87 F-L24/50/CTS/EM/BL
 F-L24/40/40K/D/BL-87 F-L24/40/40K/D/BL/EM F-L24/30/40K/D/BL-87
 F-L24/40/50K/D/BL-87 F-L24/40/50K/D/BL/EM F-L24/30/50K/D/BL-87



Installation Instructions for LED Flat Panels



| Catalog Number | F-L22/30/40K/D/BL-87 | F-L22/30/50K/D/BL-87 | F-L24/40/40K/D/BL-87 | F-L24/40/50K/D/BL-87 | F-L22/30/40K/D/BL/EM | F-L22/30/50K/D/BL/EM | F-L24/40/40K/D/BL/EM | F-L24/40/50K/D/BL/EM | F-L22/20/40K/D/BL-87 | F-L22/20/50K/D/BL-87 | F-L24/30/40K/D/BL-87 | F-L24/30/50K/D/BL-87 | F-L22/40/CTS/EM/BL | F-L24/50/CTS/EM/BL |
|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------|--------------------|
| Electrical | | | | | | | | | | | | | | |
| Input Voltage | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V | 120-277V |
| Frequency / Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz |
| Input Amps | 0.33A | 0.33A | 0.44A | 0.44A | 0.33A | 0.33A | 0.44A | 0.44A | 0.22A | 0.22A | 0.33A | 0.33A | 0.44A | 0.55A |
| Power Factor / THD % | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% | 0.9 / <20% |
| Watts | 30W | 30W | 40W | 40W | 30W | 30W | 40W | 40W | 20W | 20W | 30W | 30W | 40W | 50W |
| Replacement Watts | 2 x 32W T8 | 2 x 32W T8 | 3 x 32W T8 | 3 x 32W T8 | 2 x 32W T8 | 2 x 32W T8 | 3 x 32W T8 | 3 x 32W T8 | 2 x 32W T8 | 2 x 32W T8 | 2 x 32W T8 | 2 x 32W T8 | 3 x 32W T8 | 3 x 32W T8 |
| Dimmable | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V | Yes, 0-10V |
| Lumens | 3,300 | 3,300 | 4,400 | 4,400 | 3,300 | 3,300 | 4,400 | 4,400 | 2,200 | 2,200 | 3,300 | 3,300 | 4,800 | 6,000 |
| Lumens Per Watt | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| CRI | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
| CCT | 4000K | 5000K | 4000K | 5000K | 4000K | 5000K | 4000K | 5000K | 4000K | 5000K | 4000K | 5000K | 3500K/4000K/5000K | 3500K/4000K/5000K |
| Average Rated Life (L70) | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours |

IMPORTANT:

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. Topaz 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 QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: RISK OF FIRE OR ELECTRIC SHOCK. Topaz Panel Light installation requires knowledge of luminaires and electrical systems. If not qualified, DO NOT attempt installation. Contact a qualified electrician.

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.

WARNING: Risk of fire or electric shock. Suitable for dry locations. Make sure the power is off prior to installation.

WARNING: Risk of fire or electric shock. Suitable for flat T-Grid in non-insulated ceilings. Access above ceiling required. DO NOT cover fixture with insulation liner or similar material.

WARNING: DO NOT install in unstable, loose or easily breakable surfaces.

WARNING: DO NOT let objects impact or exert force on the surface of the fixture.

Failure to comply with these instructions may result in death, serious bodily injury and property damage.

Disclaimer of Liability: Topaz assumes no liability for losses or damage of any kind due to negligent, careless and improper installation of this product.

Important: All installation instructions must be carefully read before installing product. Installation instructions must be retained for future reference.

Notice: Ground screw must not be relocated.

Note: Dimensions and Specifications subject to change without notice.

Caution

- Fixture must be connected to a 120/277V, 60HZ power supply. Failure to comply voids warranty.
- If this equipment causes interference to radio and television, Customer is advised to:
 - Relocate receiver antenna
 - Change outlet connection
 - Distance and increase the separation the equipment and receiver.
 - Consult experienced technician for help.

Warranty Information:

This product is warranted for 5 years from the date of purchase, based on 10 hours of use per day. If this product does not perform to the specifications supplied on this package, send an email or write to the address below for product return and replacement. This replacement is the sole remedy available. Liability for incidental or consequential damage is expressly excluded. Visit www.topaz-usa.com for full warranty details.

Recessed Installation

1. At the main fuse/breaker, turn off the power.
2. Remove panel from packaging by carefully opening carton.
3. Unscrew driver cover and remove knockouts to wire power supply properly. (Fig1)

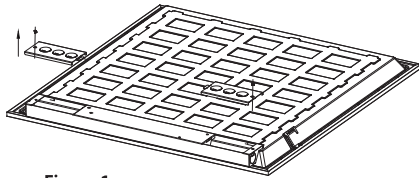


Figure 1

4. Fixture needs to pass through the grid at a 45- degree angle and the fixture need to lay on the grid (Fig. 2)

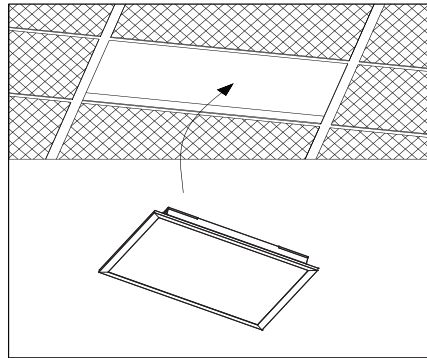


Figure 2

5. Grid clips are provided for additional retention to ceiling system. Orient 4 tabs on back of the fixture over the grid by bending tabs up 90 degrees perpendicular to back of the fixture. Next bend tabs 90 degrees towards T-GRID frame (Fig.3)

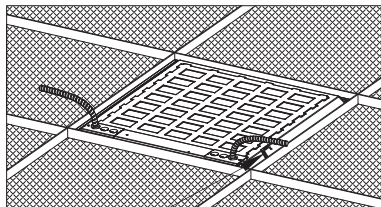
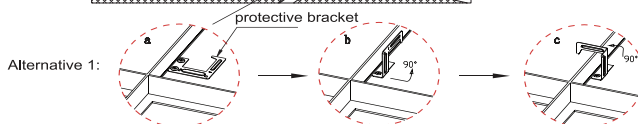


Figure 3



6. Using the open knockout bring in the supply line. Using wire nuts, attach the ground wire to the ground supply wire, the black (line) wire to the black supply wire, and the white (neutral) wire to the white supply wire. (Fig. 4)

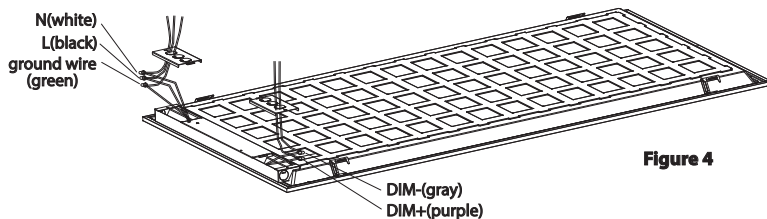
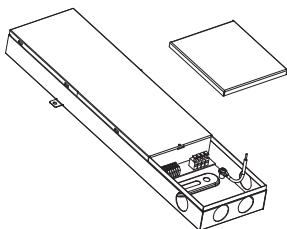


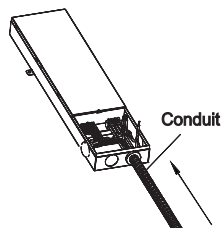
Figure 4

Emergency Driver Installation Guide

1. Unscrew the driver cover.

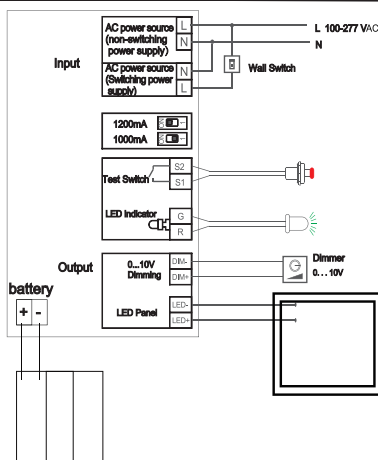


2. Connect the conduit to the driver box.

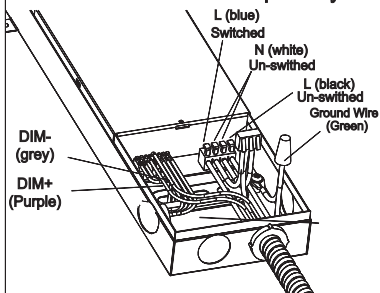


3. Wiring diagram

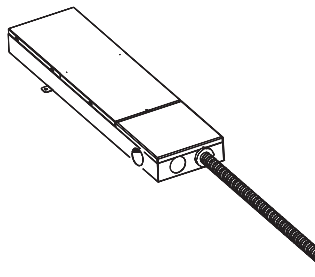
Please use wiring diagram to wire panel correctly.



4. Connect other wires separately.



5. Put on the driver cover and fix with screw.



NOTE: This fixture is compatible with 0-10V dimming. If installing dimming wires, follow your dimmer instructions for wiring to the violet (Dim +) and grey (Dim -) leads.

NOTE: Emergency battery backup solution is available.
Test button instructions is below.

Only one button

Push the test button for less than 5 seconds in order to enter a state of momentary discharge. Release the button and panel will automatically return to the charging state

Push the test button for more than 5 seconds in order to enter a discharge state of 90 minutes. After 90 minutes, panel will automatically return to the charging state.

Emergency Function

| Emergency Driver | Luminous Flux | Charging Time | Emergency Time |
|------------------|---------------|---------------|----------------|
| 8W | 1000lm | >24 hours | >90 minutes |

Ceiling Mounting (mounting kit sold separately)

1.Put together the four-piece Surface Mount Kit by using the supplied screws.

2.Mount the Surface Mount Frame to the ceiling using supplied screws.

3.Unscrew and remove one piece of the frame and slide the flat panel fixture into the Surface Mount Frame. Make electrical connection from the incoming power to the LED fixture driver.

4.Reattach the removed side from step 3.

Suspension Kit Installation (cable assembly must be purchased separately)

1.Drill two holes in the ceiling, and put the anchors into hole, then insert the wire rope and screw.

Anchors
Wire rope1
Screw
Wire rope2







2.Place panel horizontally and adjust rope accordingly.

3.The installation is finished.

Note: 2*2ft: 2 pcs suspension kits needed for installation. 1*4ft / 2*4ft: 3pcs suspension kits needed for installation.

Drywall flange kit installation(drywall flange kit must be purchased separately)

Accessories list:

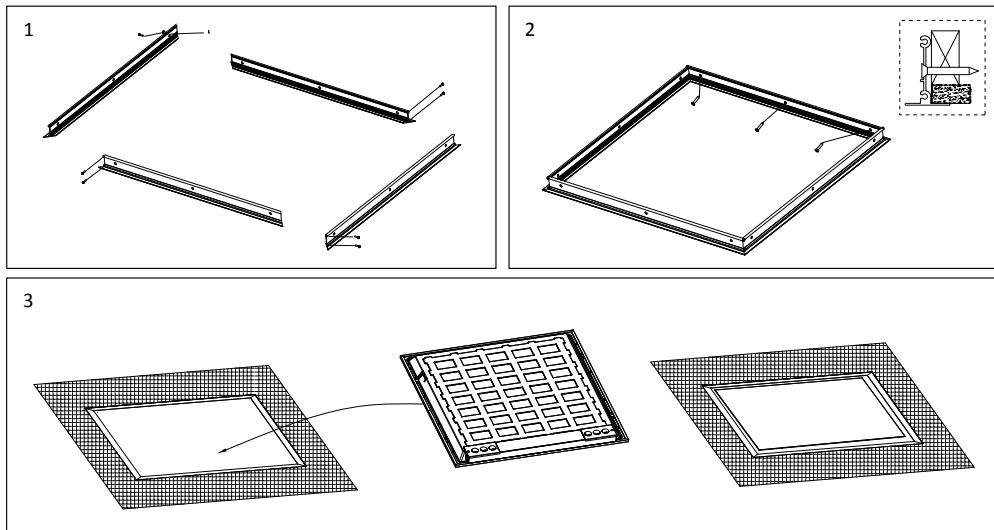
| Item | picture | Qty |
|--|---|---|
| Drywall flange kit A |  | 1'X4' (2pcs) |
| Drywall flange kit B |  | 2'X2'(4pcs) / 2'x4' (2pcs) |
| Drywall flange kit C |  | 1'X4'(2pcs) / 2'X4'(2pcs) |
| Cross pan head flat tail self tapping screw(Diameter: 3mm/length: 12mm) |  | 8pcs |
| Cross countersunk head drilling tail self tapping screw(Diameter: 4.2mm /length: 30mm) |  | 2'X2' (12pcs) 1'X4' (16pcs) 2'X4' (16pcs) |
| Anchor |  | 2'X2' (12pcs) 1'X4' (16pcs) 2'X4' (16pcs) |

Follow the steps below to install the Flat Panel Drywall Flange Kit

1. Remove accessories from the package carefully. Put together the four-piece of drywall flange kits by using the supplied ST3.12 Wafer Head Self Tapping Screws . (Fig 1)
2. Place the installed drywall flange kit into the corresponding hole and secure it to the hole with the ST4.2*30 Countersunk head self tapping screws. (Fig 2)

| Size | Cut-Out Size(inch) |
|---------------|--------------------|
| 1'X4' fixture | 48-5/8" x 12-5/8" |
| 2'X2' fixture | 24-5/8" x 24-5/8" |
| 2'X4' fixture | 48-5/8" x 24-5/8" |

3. Place the panel into the flange kit and connect the input lines. Then the installation is complete. (Fig 3)



Items:

F-L22/30/40K/D/BL-87
F-L22/30/50K/D/BL-87
F-L24/40/40K/D/BL-87
F-L24/40/50K/D/BL-87

F-L22/30/40K/D/BL/EM
F-L22/30/50K/D/BL/EM
F-L24/40/40K/D/BL/EM
F-L24/40/50K/D/BL/EM

F-L22/20/40K/D/BL-87
F-L22/20/50K/D/BL-87
F-L24/30/40K/D/BL-87
F-L24/30/50K/D/BL-87

F-L22/40/CTS/EM/BL
F-L24/50/CTS/EM/BL



Installation Instructions for LED Flat Panels

