



# DISCOVERY NARROW TROFFER

## INSTALLATION INSTRUCTIONS

### CAUTION

PLEASE READ INSTRUCTIONS BEFORE COMMENCING INSTALLATION AND RETAIN FOR FUTURE REFERENCE.

Electrical products can cause death or injury, or damage to property. If any doubt about the installation or use of this product, consult a qualified electrician.

### WARNING

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance on this fixture, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation

### WARNING

- 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.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Inspect each fixture for signs of damage before beginning installation; do NOT install any fixture that is damaged.
- Installation location must not hinder ventilation to the fixture unless product specifications indicate otherwise.
- All wiring connections should be capped with UL approved wire connectors.

### CAUTION

- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.
- Risk of burn. Disconnect power and allow fixture to cool before handling fixture.

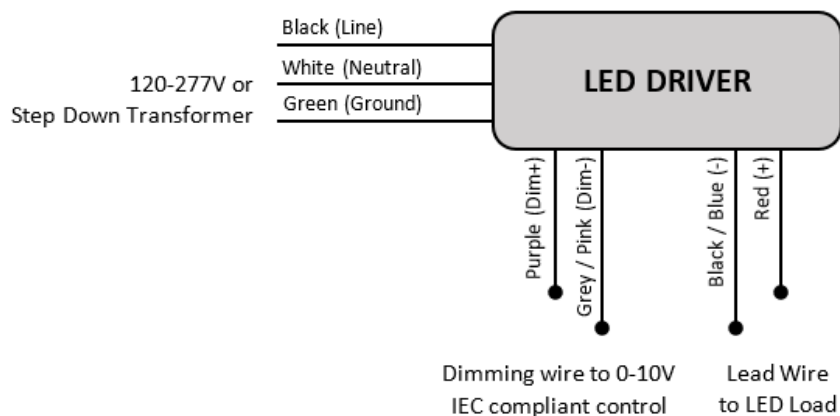
**NOTICE:** Ground stud provided in proper location. Do not relocate.

**NOTICE:** Minimum 90° supply conductors.

**NOTICE:** Specifications and dimensions subject to change without notice.

**NOTICE:** Suitable for Damp or Dry location.

## General Wiring Diagram





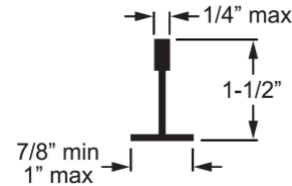
# DISCOVERY NARROW TROFFER

## INSTALLATION INSTRUCTIONS

### NEMA Type "G" Installation

#### NEMA "G" (Grid) Fixture

The Discovery Narrow Troffer fixture is designed to fit securely into a standard NEMA Type "G," 15/16" or 1" nominal T-bar system as well as accommodate NEMA type "NFG", 9/16" nominal T-bar systems without modification. Consult factory for use with other grid systems.



### BEFORE INSTALLATION

Select the desired fixture mounting location. The fixture may be mounted in the center (Figure 1) or on either side (left or right) of the ceiling grid (Figure 2).

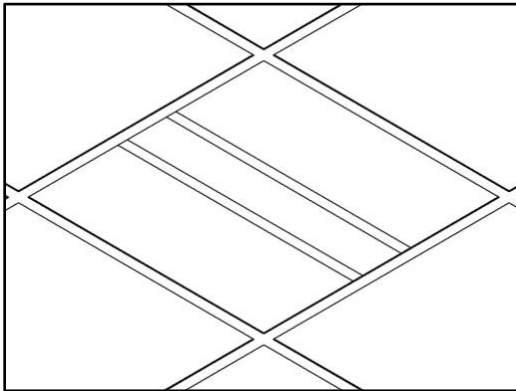


Figure 1

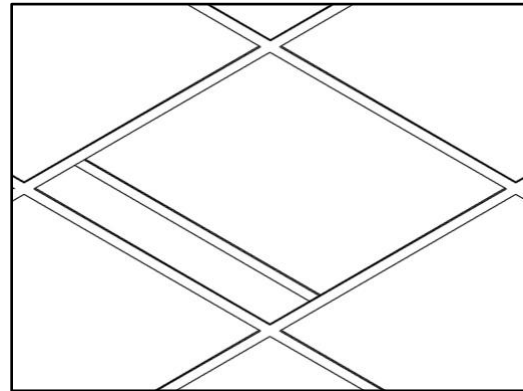


Figure 2

### CEILING TILE PREPARATION

Using a drywall saw or razor blade, cut the ceiling tile(s) to the correct size based on the desired mounting location (Table 1).

Grid Size	Mounting Location	Ceiling Tile Dimensions
2X2	Center	23.8" x 9.45" (2x)
	Side	23.8" x 19.1"
2X4	Center	47.8" x 9.45" (2x)
	Side	47.8" x 19.1"

Table 1

### CROSS TEE PREPARATION

Snip off the end tabs from the cross tees (not included) as shown in Figure 3.

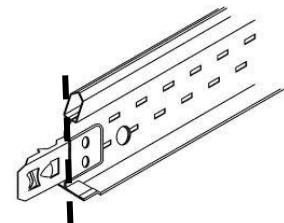


Figure 3



# DISCOVERY NARROW TROFFER

## INSTALLATION INSTRUCTIONS

### GRID CEILING PREPARATION FOR 8FT FIXTURES

If installing an 8ft fixture, cut and remove 4.5" wide sections of rail from the existing grid system at the locations where the fixture will intersect the grid. For a 2x2 grid system, three rails must be cut (Figure 4). For a 2x4 grid system, one rail must be cut (Figure 5).

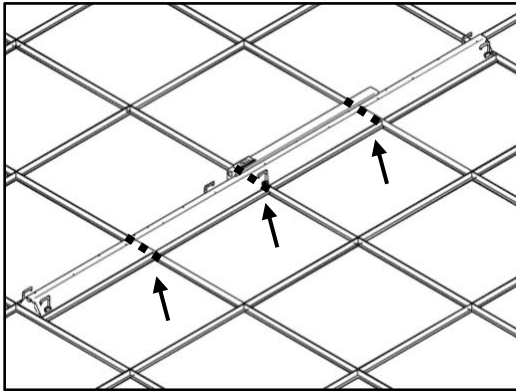


Figure 4

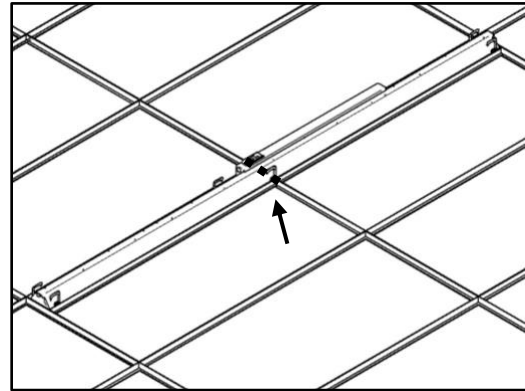


Figure 5

### FIXTURE INSTALLATION

Lay the fixture into the T-grid along with cross tee(s) at the desired mounting location (Figure 6 & 7).

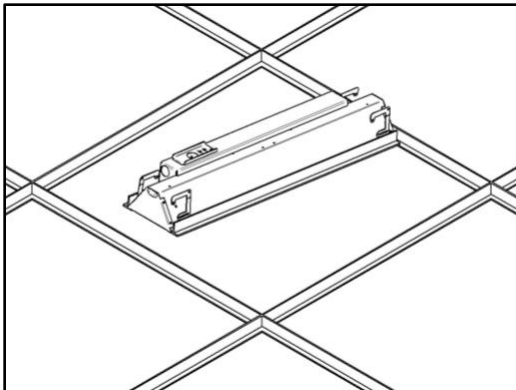


Figure 6

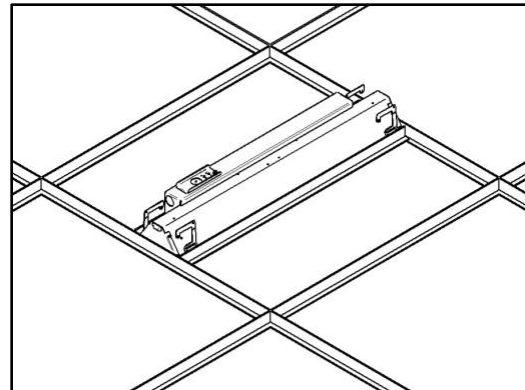


Figure 7

Bend the fixture brackets over the cross tee (Figure 8). Use self-tapping screws to secure the brackets to the cross tee (Figure 9).

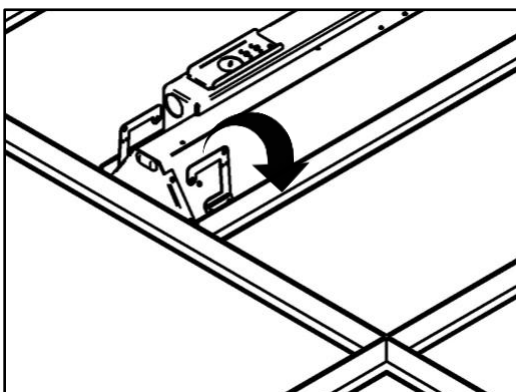


Figure 8

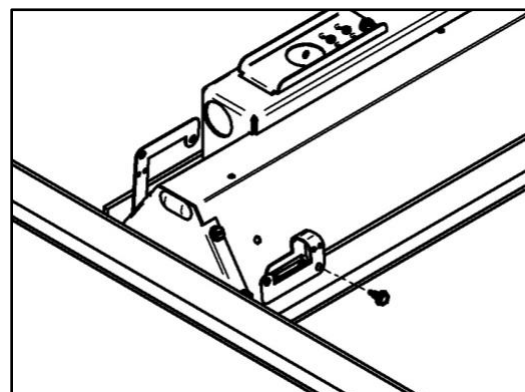


Figure 9



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## INSTALLATION INSTRUCTIONS

For 2ft and 4ft fixtures, center mounting requires 4 brackets (Figure 10), and side mounting requires 2 brackets (Figure 11). For 8ft fixtures, center mounting requires 6 brackets (Figure 12), and side mounting requires 3 brackets (Figure 13).

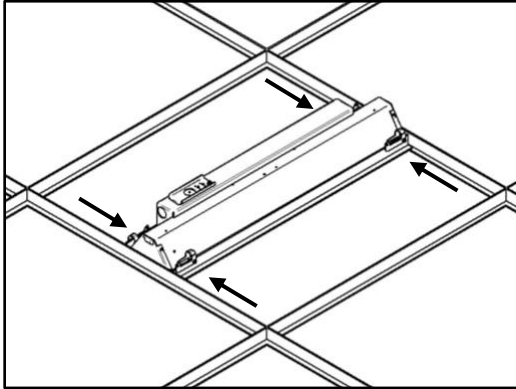


Figure 10

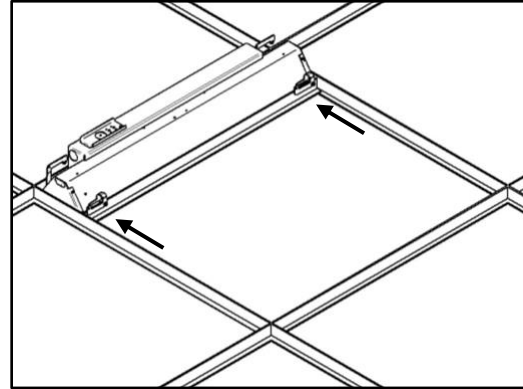


Figure 11

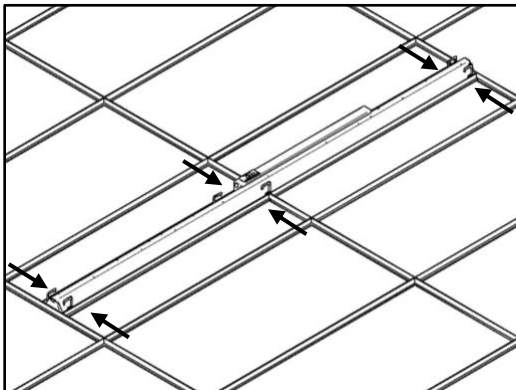


Figure 12

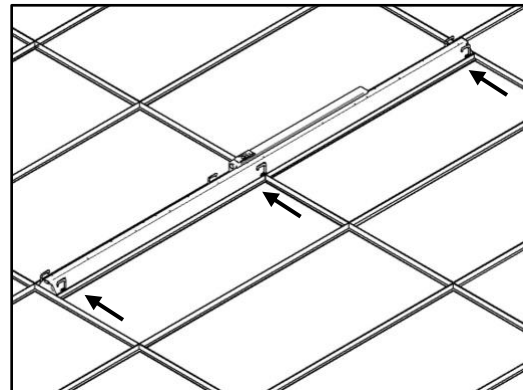


Figure 13

Complete all necessary wiring connections to the fixture. Lay the ceiling tile(s) into the T-grid next to the fixture to complete the installation (Figure 14).

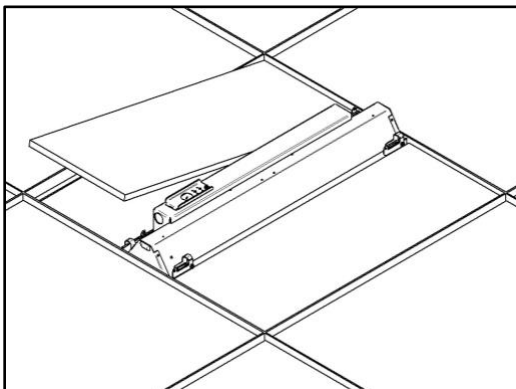


Figure 14

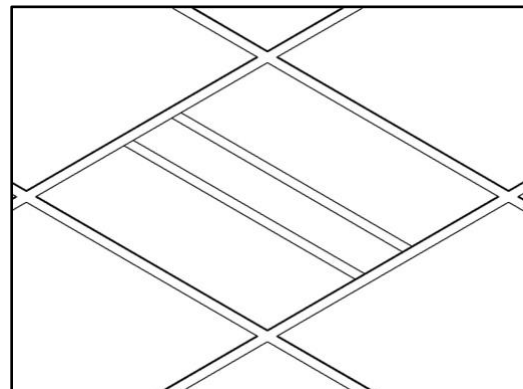


Figure 15



# DISCOVERY NARROW TROFFER

## INSTALLATION INSTRUCTIONS

### Troubleshooting

If the fixture fails to operate once installation has been completed:

- Ensure there is power to the fixture.
- Ensure the fixture is properly wired and grounded.
- Check to see if there are any loose wires inside the light fixture.
- Ensure the line voltage at the fixture is correct.

If none of these steps resolve the issue, contact your ILP representative for further assistance.