



# INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

## INS3 SERIES FOR 2FT, 4FT, 8FT FLUORESCENT LIGHTING FIXTURES

### WARNING!

1. TO PREVENT THE RISK OF ELECTRICAL SHOCK DEACTIVATE/DISCONNECT THE POWER SUPPLY BEFORE INSTALLING OR RELAMPING FIXTURE.
2. THIS FIXTURE SHOULD BE INSTALLED BY QUALIFIED TECHNICIANS IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY LOCAL REQUIREMENTS.

### INSTALLATION

1. BEFORE INSTALLING, MAKE SURE THAT THE CIRCUIT IS DEACTIVATED.
2. THE BALLAST IN THIS FIXTURE IS DESIGNED TO OPERATE ON GROUNDED NEUTRAL SYSTEMS ONLY.
3. This unit is completely assembled. Before installing, check the fixture label to insure correct voltage and frequency.
4. Note: To access ballast/wiring, remove 1/4"-20 phillips head screws from hinged glass door, remove 1/4"-20 phillips head screws from cover/reflector and remove cover/reflector.
5. Typical INS3 Series fixture installations are shown on page 3.
6. Wire fixture through conduit hub according to schematic on ballast.
7. Installation of light fixture onto frame is now complete.

### OPERATIONAL DATA

Operate this fixture at its rated voltage.

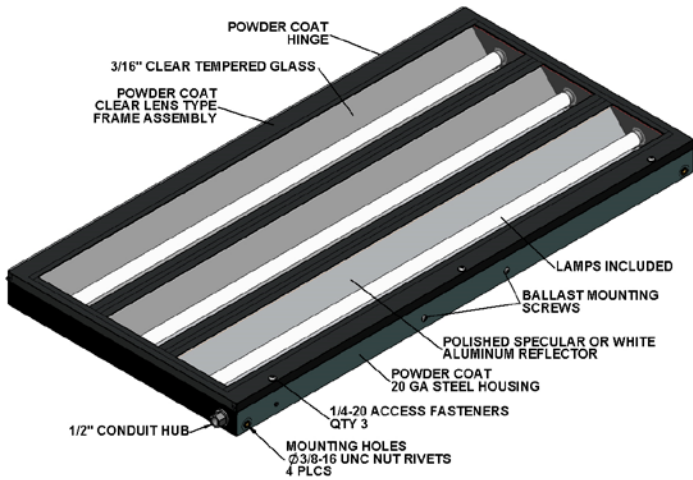
Note: When installing lamps – fixtures are rated for T8 lamps only, 2FT: 17 WATT, 4FT: 32 WATT and 8FT: 59 WATT.

### MAINTENANCE DATA

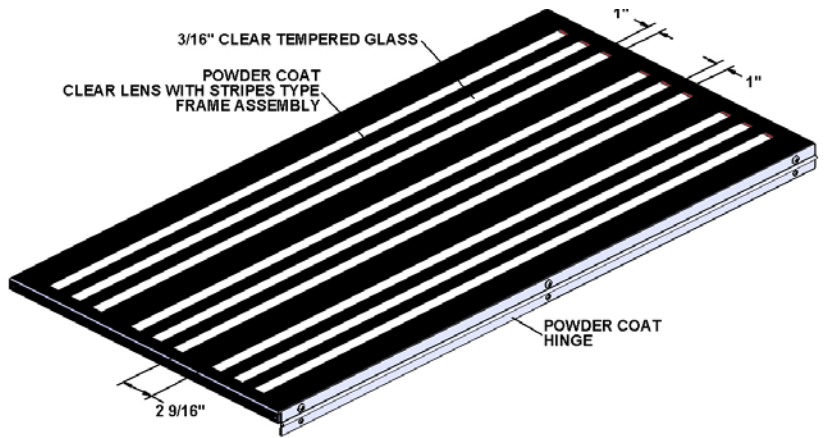
1. Although no routine maintenance is required to keep this fixture functional, it should be checked periodically to ensure that it is working properly and to look for any external damage.
2. For optimum performance, keep light transmission parts of fixture clean. Any commercial glass cleaner can be used to clean the glass.
3. To Relamp: disconnect supply circuit. Remove fasteners from glass frame opposite side from hinge. The glass frame will swing open. Replace old lamp with new lamp. Close glass frame and install fasteners in glass frame to seal.
4. To Replace ballast: disconnect supply circuit. Remove fasteners from glass frame opposite side from hinge. The glass frame will swing open. Remove fasteners from cover/reflector and remove cover/reflector.
5. Replace old ballast with new ballast. Install the cover/reflector in the fixture and replace the fasteners on the cover/reflector. Close glass frame and install fasteners in glass frame to seal.
6. In the event of glass breakage, it will be necessary to replace the damaged glass frame assy, in order to maintain the integrity of the fixture.

# 4 FOOT 3 LAMP FIXTURE

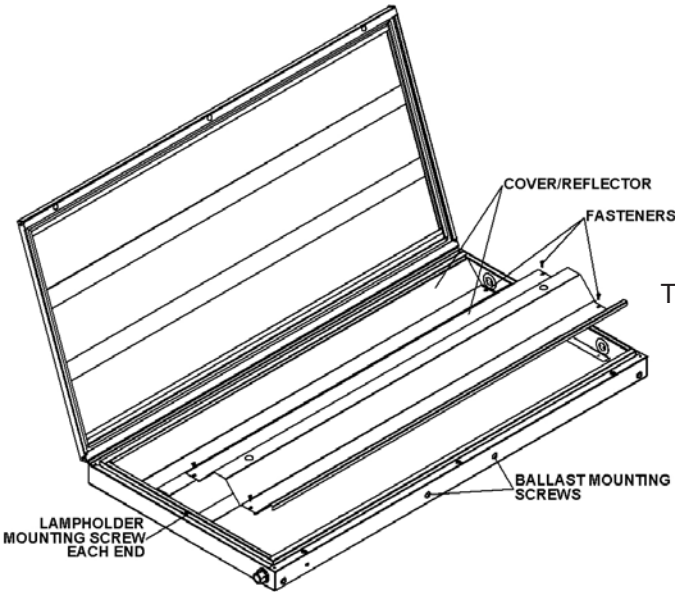
## CLEAR LENS OPTION SHOWN



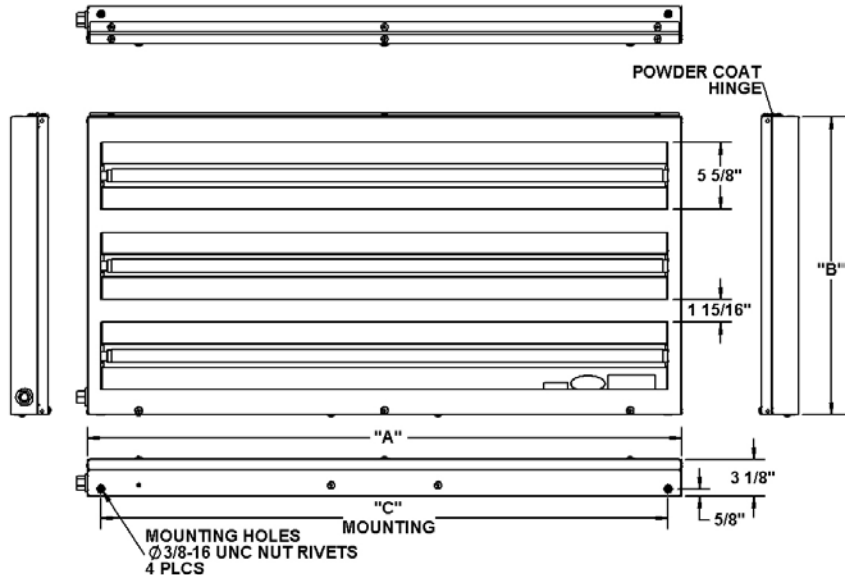
LENS ASSY OPTION TYPE: CLEAR GLASS



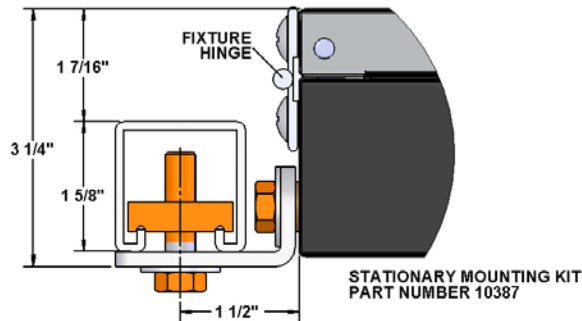
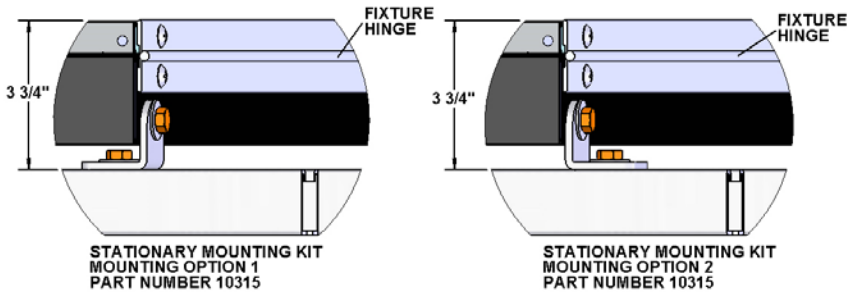
LENS ASSY OPTION TYPE: CLEAR LENS WITH STRIPES  
 The lens design creates a well defined lamp image using light and dark contrasts that cause defects in the paint to show for ease of detection and repair.



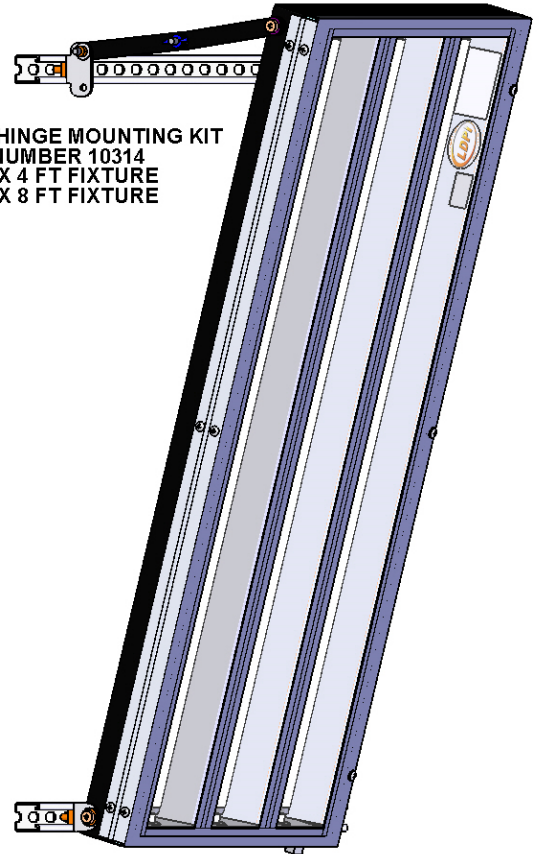
DIMENSIONS			
TYPE	"A"	"B"	"C"
2FT 1LAMP	26"	9 7/8"	23 3/4"
2FT 2LAMP	26"	17 7/16"	23 3/4"
2FT 3LAMP	26"	25"	23 3/4"
4FT 1LAMP	50"	9 7/8"	47 3/4"
4FT 2LAMP	50"	17 7/16"	47 3/4"
4FT 3LAMP	50"	25"	47 3/4"
8FT 1LAMP	96"	9 7/8"	70"
8FT 2LAMP	96"	17 7/16"	70"
8FT 3LAMP	96"	25"	70"



# TYPICAL INS3 MOUNTING INSTALLATIONS FOR 2 FT, 4 FT AND 8 FT FIXTURES



PIVOT HINGE MOUNTING KIT  
PART NUMBER 10314  
15° MAX 4 FT FIXTURE  
10° MAX 8 FT FIXTURE



THERE IS A NUMBER OF MOUNTING METHODS  
THAT ARE NOT SHOWN.

NOTE: THE BALLAST IN THIS FIXTURE IS DESIGNED TO OPERATE ON GROUNDED NEUTRAL SYSTEMS ONLY.  
IMPORTANT SAFETY NOTE: THERE IS STILL VOLTAGE INSIDE THE FIXTURE WHEN THE FIXTURE IS OPENED.  
WARNING: TO PREVENT THE RISK OF ELECTRICAL SHOCK DEACTIVATE/DISCONNECT THE POWER SUPPLY  
BEFORE INSTALLING OR RELAMPING FIXTURE.  
NOTE: REFER TO DIAGRAM ON BALLAST WITH SPECIFIC WIRING DETAILS.



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