



OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

LE484 LED LIGHT FIXTURE FOR SPRAY / PAINT BOOTH / CLEAN ROOM APPLICATIONS

WARNING!

1. TO PREVENT THE RISK OF ELECTRICAL SHOCK, DISCONNECT THE POWER SUPPLY BEFORE INSTALLING OR RE-LAMPING THE FIXTURE.
2. THE DRIVER IN THIS FIXTURE IS DESIGNED TO OPERATE ON GROUNDED, NEUTRAL SYSTEMS ONLY.
3. THIS FIXTURE SHOULD BE INSTALLED BY A QUALIFIED TECHNICIAN IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL REQUIREMENTS.
4. DO NOT OPEN THE LUMINAIRE AFTER INSTALLATION.

PAINT SPRAY BOOTH APPLICATIONS

Proper sealing is required for all surfaces exposed to the paint environment. Fixture is rated for Class I, Division 2 environment.

OPERATION

Operate this fixture at its rated voltage. See fixture label for specific electrical data. Do not install where the marked operating temperature exceeds the ignition temperature of the hazardous atmospheres.

INSTALLATION REQUIREMENTS

(Non-IC rated / -25°C to 55°C Ambient)

1. Access above booth ceiling required
2. Minimum distance from the luminaire to insulation in walls or ceiling of the booth: 75mm (3in.)
3. Minimum distance between adjacent luminaires & luminaires on the sidewalls, ceiling and the floor as applicable: 600mm (24in.)
4. Allow unrestricted movement of air at the backside of the fixture near the cooling fins to prevent accumulation of gases or vapors and for quick access for the purpose of cleaning and/or maintenance

INSTALLATION REQUIREMENTS

(IC rated / -25°C to 45°C Ambient)

1. Minimum distance between adjacent luminaires & luminaires on the sidewalls, ceiling and the floor as applicable: 600mm (24in.)

INSTALLATION

1. Verify paint booth panels are cutout per Fig. 1.
2. Install fixture into panel as shown in Fig. 2 using 1/4-20 or M6 screws (not included).
 - Recess option. Installed from inside the booth (Fig. 2a).
 - Recess fixture into the cutout from inside the booth.
 - Insert screws through flange (8 plcs) and poke through gasket and into booth panel.
 - Secure with nut on backside of panel.
 - Rear surface option. Installed outside the booth (Fig. 2b) (Separate flange gasket required.)
 - Adhere flange gasket to front face of flange as shown.
 - From outside the booth panel, align and hold fixture firmly up to cutout.
 - Insert screws through panel. Poke through flange gasket and through flange.
 - Secure with nut on backside of flange.
3. From inside the booth, caulk around the flange perimeter any areas where the fixture mates with the panel. Use silicone-free caulk. See Fig. 3 for details.
4. Wire fixture in accordance with National Electrical Code standards or local requirements. See wiring diagram Fig. 4.

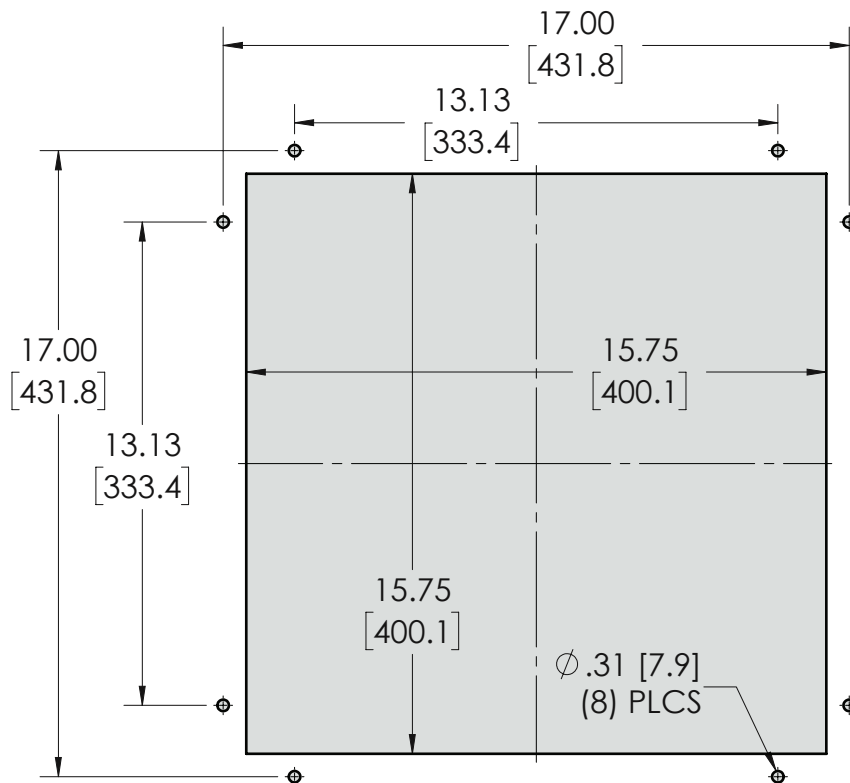


Fig. 1
(Panel cutout details)

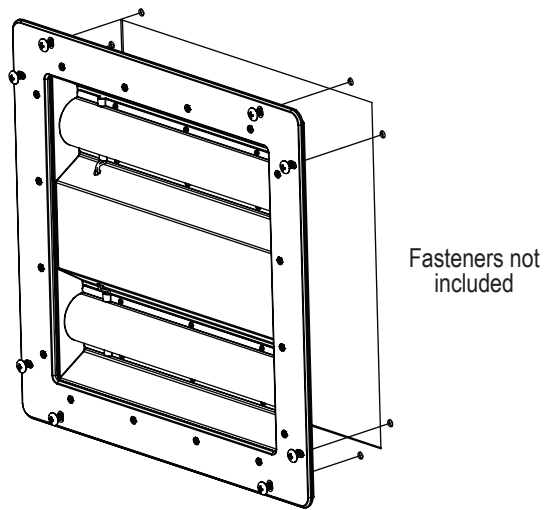


Fig. 2a
(Recess Installation)

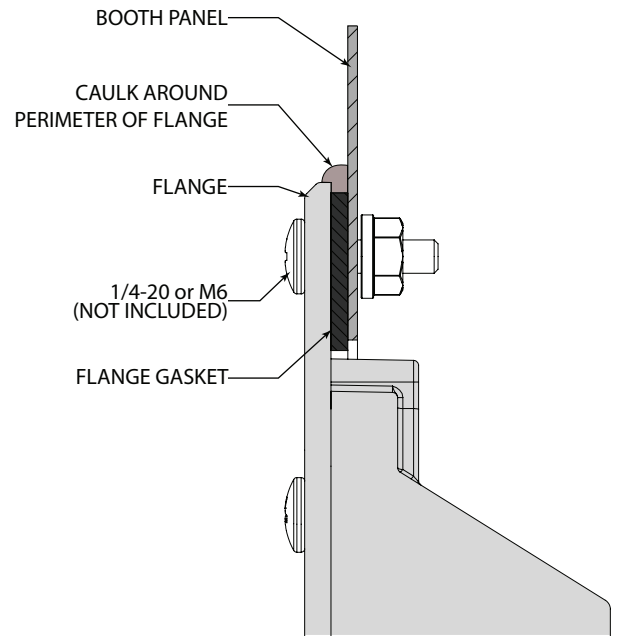


Fig. 3
(Recess Mount Caulk)

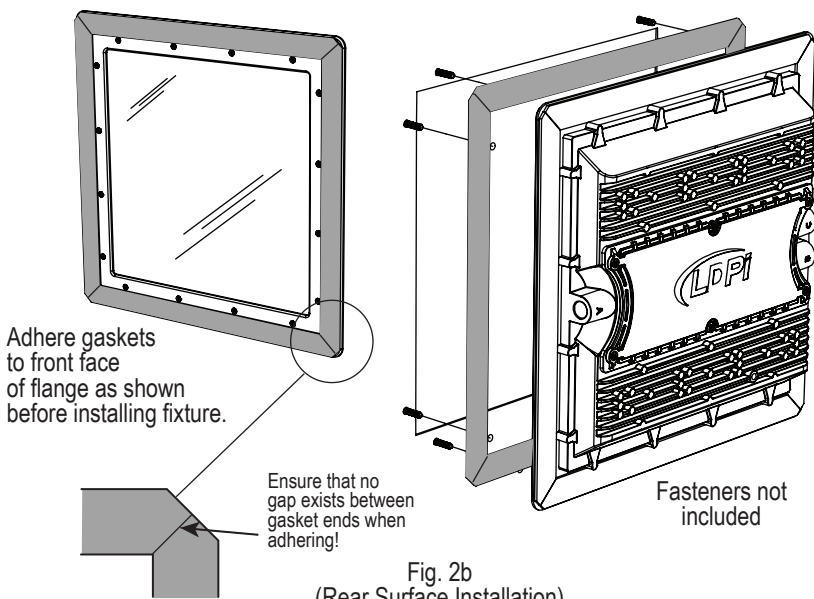


Fig. 2b
(Rear Surface Installation)

HUB A: PRE-INSTALLED WIRE WHIP
 HUB B: EXTRA (THROUGH WIRING/AUXILIARY/FUTURE CONNECTION)
 HUB C: DIMMING

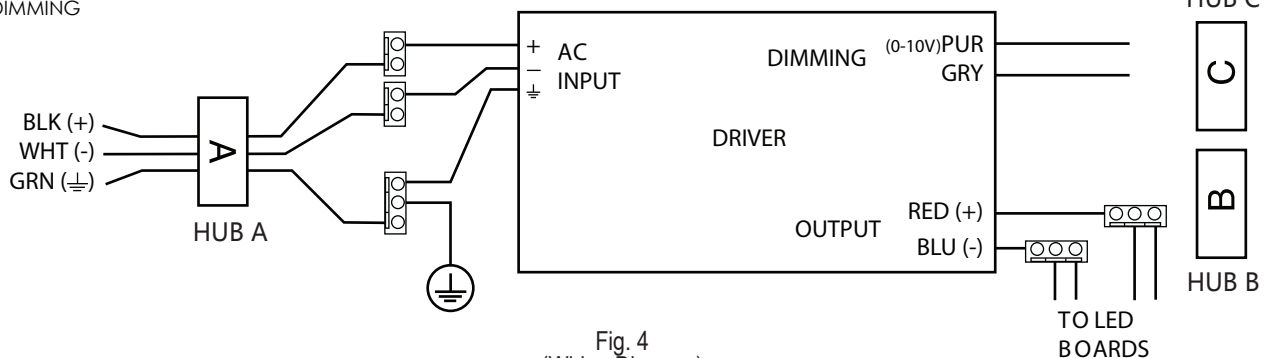


Fig. 4
(Wiring Diagram)

MAINTENANCE

- To avoid personal injury, disconnect power to the fixture, ensure ventilation system is operating and allow lighting fixtures to cool before performing maintenance.
- Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks should be made at least once a year.
- The external glass should be cleaned periodically to ensure continued performance. Clean the glass with a clean, damp, non-abrasive, lint-free cloth. If this is not sufficient, use a mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline, or acid cleaner as damage may occur.
- Inspect the cooling fins on the fixture to ensure that they are free of any contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
- Check all parts and fasteners to ensure all parts are properly secured and fastened.
- Check electrical connections to ensure that all connections are secure and free of corrosion.
- Replacement parts can be purchased separately. See chart below. Contact sales@ldpi-inc.com to order replacement parts.

Part Number	Description	Part Number	Description
LE484-17042	Flange Gasket	LE484-17300	Driver, 347-480V, 0-10V Dimming
LE484-17043	Glass (w/ glass gasket)	LE484-17301	Driver, 120-277V, DALI Dimming
LE484-17044	Diffused Optics Kit	LE484-17302	LED Board (For Diffused Optics)
LE484-17045	TIR Optics Kit	LE484-17303	LED Board (For TIR Optics)
LE484-17299	Driver, 120-277V, 0-10V Dimming	LE484-17304	Flange

TROUBLESHOOTING / CUSTOMER SERVICE

Please contact customer service for troubleshooting tips or with questions about installation or service.

1-800-854-0021
or
customerservice@ldpi-inc.com

