

Explosion-Proof Hood

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Your Comprehensive Equipment Source





Explosion-Proof Hood

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Safety Notice

A thorough familiarity with all operating guidelines is essential to safe operation of the product. Failure to observe safety precautions could result in poor performance, damage to the system or other property, or serious bodily injury or death.

The following symbols are intended to call your attention to two levels of hazard involved in operation:



CAUTION

Cautions are used when failure to observe instructions could result in significant damage to equipment.



DANGER

Dangers are used when failure to observe instructions or precautions could result in injury or death on top of significant damage to equipment.

The information presented here is subject to change without notice.

1.0 Introduction

This manual provides information on installing and operating your Terra Universal Explosion-Proof Hood (Class I and Class II, Division I Hazardous Locations). The Explosion-Proof Fan Filter Unit (FFU) and Light are both UL-Listed.

Study this document carefully to ensure a safe, long, and efficient service life from the unit.

2.0 Description

Terra Universal's Explosion-Proof Hood is ideal for particle-free processing facilities where solvent vapors, dust, and other flammable hazards may be present.

The 99.99%-efficient HEPA filter (rated at 0.3 μ m particles) creates ISO 5 cleanliness conditions for contamination-sensitive work.

Terra Universal manufactures hoods out of several materials to meet a broad range of chemical cleanliness requirements. All hood materials are housed in a durable powder-coated steel or stainless steel frame for strength and easy cleaning. All hoods include a hinged front access shield that restricts the exiting air and enhances laminar flow.

An Explosion-Proof Fan Filter Unit (FFU) with HEPA filter is included with the hood and is UL-listed for safe operation in a Class I or Class II, Division I, work environment as specified by NEC Code. The non-sparking motor is enclosed inside a cast-iron, explosion-proof housing and provides uniform flow of filtered air. Its direct-drive, 1/4-HP fan-cooled motor and non-sparking impeller are designed for continuous-duty use. All system wiring is enclosed in filled rigid conduit. The FFU provides an average air flow rate of 650+ CFM (1095 m³/hr) and speed of 90 ft/min (0.458 m/sec) of HEPA-filtered air through the enclosure.



Picture 1. Terra Universal's Explosion-Proof Hood



Explosion-Proof Hood

The 40W Explosion-Proof Low Profile Linear LED Light is both UL-listed and rated for Class 1, Divisions 1 and 2 applications. The unit provides bright illumination (3,600 lumens) to the hood and operates from 100-277VAC, 50/60Hz. The life expectancy of 100,000+ hours offers the user an extremely long service life. For more information, see appended specifications and manual at the end of this Quick-Start Operating Guide.

3.0 Installation

The Explosion-Proof Hood ships fully assembled. However, the unit will need to be electrically hardwired.

1. Uncrate your Explosion-Proof Hood while checking to make sure that it has no visible damage incurred during shipment. If damage is found, contact the freight company to immediately file a damage claim.
2. To hardwire your Explosion-Proof Hood, place the unit where you want it installed. Using an appropriate hex key, unscrew and remove the hex screw on the main junction box (see Picture 2). Hardwire the unit to your building's power source per local codes and regulations. (Terra Universal strongly recommends hiring a licensed electrician to perform the work.) Additional rigid conduit (not included) is required to hook up the unit to a power source.
3. The unit is now ready for use.



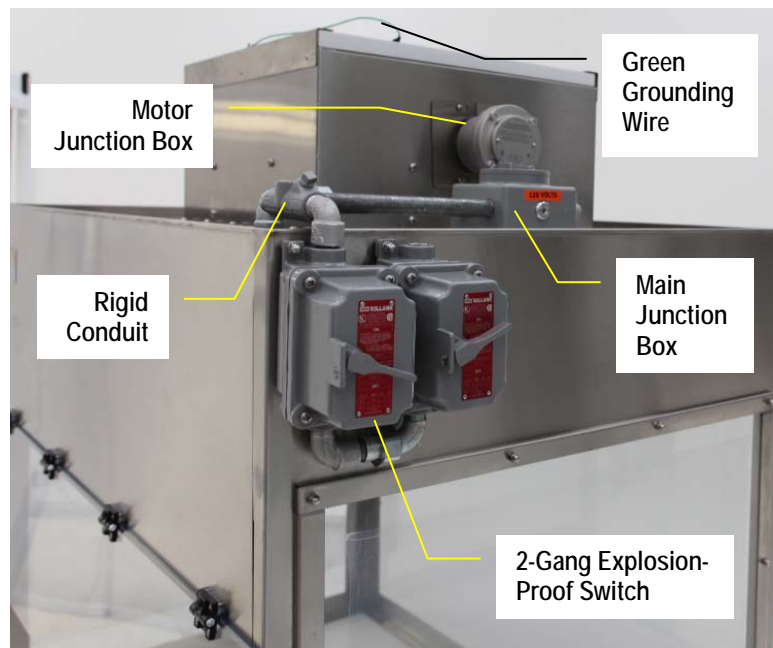
DANGER: Make sure that the Explosion-Proof Hood is grounded prior to turning on the unit.



DANGER: Only rigid conduit may be used to hardwire this unit. Do not use thread tape or liquid-thread coat.



DANGER: The green wire on top of the Explosion-Proof FFU (see Picture 2) is used to ground the wire mesh of the pre-filter. Make sure the pre-filter wire mesh is grounded prior to turning on the unit.



Picture 2. Explosion-Proof Unit shown with close-up of the 2-gang explosion-proof switch, main junction box, motor junction box, rigid conduit, and green grounding wire that grounds the wire mesh of the FFU pre-filter.

4.0 Operation

The Explosion-Proof Hood has two (2) ON/OFF explosion-proof switches that are used to independently operate the motor and light.

The TUI light emits a solid glow while the unit is in operation (with the Explosion-Proof Fan Filter Unit ON) and a continuous flash while the unit is on standby (with the Explosion-Proof Fan Filter Unit OFF).



Picture 3. TUI light



5.0 Maintenance

Terra Universal's Explosion-Proof Hoods should be cleaned with a mild, nonabrasive detergent and water. Special care should be taken not to damage the surface coatings of hoods made of Static Dissipative PVC; surface scratches can reduce the static dissipative properties of this material.

Note: Acrylic is damaged by alcohol and other cleaning agents.

6.0 Filter Replacement

Contact any sales associate at Terra Universal to help you place an order for replacement pre-filters (Merv 7, UL-listed) and HEPA filters. Please remember to have either your Order Reference Number or Model & Serial number of your Explosion-Proof Hood so that the sales associate can best assist you.

Replacement HEPA Filter Cat. No.: 6601-24-HE

Replacement Pre-Filter Cat. No.: PA04599



DANGER: Make sure that the power is OFF at the circuit breaker prior to servicing the Explosion-Proof Hood.



DANGER: All electrical connection and disconnection work needs to comply with local codes and be conducted by a licensed electrician.

1. To replace the FFU pre-filter and/or HEPA filter, disconnect the power line and remove the rigid conduit and main junction box from the Explosion-Proof Hood.
2. For more information and specific instructions on replacing the pre-filter and HEPA filter, see Section 5.0, Cleaning and Maintenance, in the appended Explosion-Proof Fan/Filter Unit Quick-Start Operating Guide at the end of this manual.
3. Reposition the FFU back into the Explosion-Proof Hood and secure with provided fasteners.
4. Re-hardwire the power connections and reinstall the rigid conduit and main junction box.



WARNING: Use care to support the filters, which may fall loose once the cover is open. Carefully remove the Pre-Filter and HEPA Filter, and reinstall replacement filters in the same orientation.

7.0 Warranty

Products Manufactured by Terra: Terra Universal, Inc., warrants products that it manufactures to be free from defects for a period of 12 months for parts and 90 days for labor, commencing from the date of shipment. Terra's sole responsibility is to repair or replace, at its option, any part of the product that proves defective or malfunctioning during this time limit. In some cases, components incorporated in Terra Universal products are covered by additional warranties from component manufacturers; obtain specific information from Terra sales representatives. This warranty is void if the equipment is abused or modified by the customer, is operated outside Terra's operating instructions or specifications, or is used in any application other than that for which it is specified. This warranty does not include routine maintenance or service procedures, breakage of quartz baths after 60 days, shipping damage, nor damage from misuse, intentional or unintentional abuse, neglect, natural disasters, or acts of God.

Products Manufactured by Others: Terra Universal, Inc., warrants that, to the best of its ability, Terra's representations of products that are manufactured by others reflect the manufacturer's representations, subject to change without notice. Sole warranty for these products is the original manufacturer's warranty that is passed forward



Explosion-Proof Hood

to the purchaser and constitutes the customer's sole remedy for these products. Detailed warranties for distributed products are available through Terra sales representatives.

Freight Shortage or Damage: Upon receipt of any equipment from Terra Universal, Inc., customer shall immediately unpack and inspect for damage or shortage. The customer shall not accept a damaged package or a short shipment until the carrier makes a "damage or shortage" notation on both the carrier's and customer's copy of the freight bill or delivery receipt. Service title passes when the shipment is loaded, so customer is responsible for filing and collecting a freight claim. Any replacement products must be ordered and paid for separately. For Terra's "Policy and Procedures for Returning Goods," see Terra's Internet site: www.TerraUniversal.com.

Generally, customers can improve the chance of collecting on a freight claim by following these procedures: 1) formally requesting that the carrier inspect the shipment immediately upon suspecting damage or shortage to verify condition; 2) notifying the carrier upon discovery of concealed damage and requesting an inspection within 15 days of receipt, both in person or phone and following up via mail; 3) keeping the shipment as intact as possible, including retaining original packaging materials and keeping the product as close to the original receiving location as possible; 4) holding salvage for disposition by the carrier.



All Claims: Terra Universal expressly disclaims all other warranties, expressed or implied or implied by statute, including the warranties of merchantability or fitness for intended use. Terra Universal is not responsible for consequential or incidental damages arising out of the purchase or use of the products supplied by Terra Universal. Terra Universal is not liable for damage to facilities, other equipment, products, property or personnel of others, or of their agents, suppliers, or affiliated parties, which is caused or alleged to have been caused by products supplied by Terra Universal. In any event or series of events, Terra Universal's total liability for any and all damages whatsoever is limited to the lesser of the actual damages or the original invoice cost of the items alleged to have caused the damage. The customer's sole and exclusive remedy for any cause of action whatsoever is repair or replacement of the non-conforming products or refund of the actual purchase price, at the sole option of Terra Universal. All claims must be made in writing within 90 days of the date the product was shipped. Any claims not made within this time limit shall be deemed waived by the customer. Terra Universal is not responsible for any additional costs of repair caused by poor packaging or in-shipment damage during return.

Warranty Returns: All warranty returns must be authorized in advance by Terra Universal and approved under an RMA. Unless approved in advance for good reason, all returns must be in original condition, including all manuals, and must be packaged in original packaging materials. All returned goods are to be shipped to Terra Universal, freight prepaid at customer's expense. See Terra's "Policy and Procedure for Returned Goods."

*Thank you for ordering from
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IMPORTANT SAFETY INSTRUCTIONS READ AND SAVE THESE INSTRUCTIONS

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	 WARNING	Warnings are used when failure to observe instructions or precautions could result in injury or death.
The information presented here is subject to change without notice.		

1.0 Introduction

This manual provides information on installing and operating Terra Universal's Explosion-Proof Fan/Filter Unit. By studying this document carefully, you can be assured of a long, efficient service life from the unit.

The Fan/Filter unit provides a steady laminar flow stream of HEPA filtered air to the area below the mounted unit.

2.0 Operation

The unit consists of a ¼ HP, explosion-proof motor driving a forward-curved centrifugal blower. Air is drawn into the unit through a pleated pre-filter and in turn to an insulated chamber where it is then directed to an exit HEPA filter with a built-in diffuser.

3.0 Installation

The Fan/Filter unit is designed to fit on top of a standard 2'x4' clean room ceiling grid. It includes a threaded fixture at each corner to accommodate four eye-bolts (not provided) that can be used to assist in positioning the unit.



WARNING:

To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switch on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- When the removal/disconnection of either filter is required due to service or component replacement, they are to be remounted as previously installed.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- When cutting or drilling into a wall or ceiling, do not damage electrical wiring and other hidden utilities.

4.0 Start up



WARNING:

Keep unit disconnected from power supply during inspection

Prior to providing power to the unit, check that no damage has occurred during shipping. This can be accomplished via a visual check to make sure there are no visible dents or penetrations. If the unit is intact, remove the pre-filter and manually rotate the fan wheel to make sure it is not in contact with any stationary parts and that there are no visible loose screws or bolts obstructing the wheel's rotation. Once visual inspection is

completed, have a professional perform the installation who is familiar with Class I, Groups C & D and Class II, Groups F & G hazardous location requirements. After installation, with power applied, the fan will rotate, and filtered air will exit the HEPA filter.

5.0 Cleaning and Maintenance

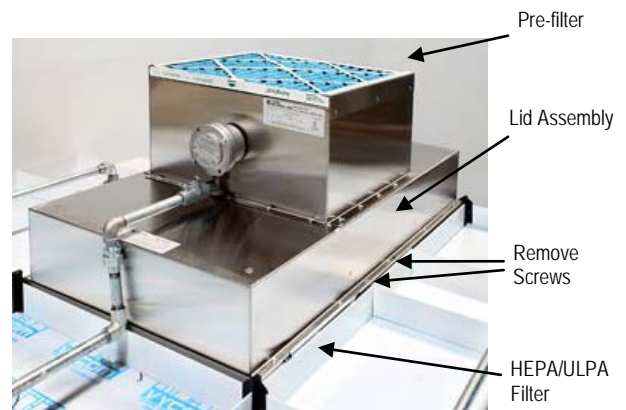


WARNING:

Disconnect from power supply before servicing unit. When servicing or replacing either filter, the new filter is to be installed in the same manner as the filter it replaces.

The scheduled maintenance of the unit depends on the installed location and consists of cleaning or changing the pre-filter and the HEPA filter. It is recommended that the pre-filter be inspected and cleaned every three months or sooner depending on the cleanliness of the external environment. The HEPA filter cannot be cleaned and must be replaced when the laminar flow rate falls below 70 feet/min.

Changing the HEPA filter requires removal of the unit to be removed from the ceiling grid. Place the unit on a flat work surface and remove the 10 sheet metal screws that hold the HEPA filter to the case. Replace the filter with a new one and secure it to the case with the same screws before placing it back onto the ceiling grid.



6.0 Specifications

Dimensions:	23.625"W x 47.625"L x 20.2"H (600 mm x 1210 mm x 513 mm)
Housing:	Stainless steel
HEPA Filter:	99.99% efficient on removal of particles 0.3 microns and larger
Pre-Filter:	20" x 20" x 1" - 30% efficient ASHRAE rated
Blower:	Forward-curved centrifugal type factory balanced. Entire motor/blower assembly is removable from top of housing for service
Motor:	1/4 HP Direct drive, Explosion-proof, 1 Phase
Electrical:	Motor wiring should only be connected to an appropriate control unit. All wiring should be housed by UL-listed rigid conduit
Power Cord:	None supplied
Face Grille:	Perforated anodized aluminum
Noise Level:	50 dBA (measured at 30" from filter face)
Weight:	76 lbs. (35.5 kg) shipping weight
Support:	Threaded screw receptacles provided for insertion of optional eyebolts
Power Options:	¼ HP motor with voltage of 115/1/60Hz, 208-230/1/60Hz

Power Specifications: for 2 ft. x 4 ft. HEPA, 115VAC (Model No. 6601-24HE)

Full Load Amps	6.8
Watts	190

7.0 Warranty

See next page.



Limited Warranty

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All Claims: Terra Universal expressly disclaims all other warranties, expressed or implied or implied by statute, including the warranties of merchantability or fitness for intended use. Terra Universal is not responsible for consequential or incidental damages arising out of the purchase or use of the products supplied by Terra Universal. Terra Universal is not liable for damage to facilities, other equipment, products, property or personnel of others, or of their agents, suppliers, or affiliated parties, which is caused or alleged to have been caused by products supplied by Terra Universal. In any event or series of events, Terra Universal's total liability for any and all damages whatsoever is limited to the lesser of the actual damages or the original invoice cost of the items alleged to have caused the damage. The customer's sole and exclusive remedy for any cause of action whatsoever is repair or replacement of the non-conforming products or refund of the actual purchase price, at the sole option of Terra Universal. All claims must be made in writing within 90 days of the date the product was shipped. Any claims not made within this time limit shall be deemed waived by the customer. Terra Universal is not responsible for any additional costs of repair caused by poor packaging or in-shipment damage during return.

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Terra Universal!*

Explosion Proof Low Profile Linear LED light - 3500 Lumens - Class 1 Div 1 - Pendant MountedPart #: [EPL-24-50LED-PND](#)**Made in the USA**

The Larson Electronics EPL-24-50LED-PND Explosion Proof LED Light Fixture is U.S./Canada U.L. approved Class 1, Divisions 1 & 2 for areas where flammable chemical/petrochemical vapors exist or have the potential to exist. This explosion proof LED light has a T4A temperature rating and is designed for low profile pendant mounting to make the maximum use of available space.

The EPL-24-50LED is comprised of solid state design LEDs, making this explosion proof led fixture highly resistant to shock and vibrations and cooler running than comparable incandescent and HID light fixtures. This 40 Watt LED fixture draws less than one amp on a 120 Volt AC power system while producing 3,600 lumens of bright white light, producing efficiency that reduces power consumption and operating costs without compromising light output or quality.

This explosion proof linear LED fixture contains no ballast box normally associated with fluorescent fixtures, which reduces overall weight and creates a slimmer unit profile. The solid state LEDs have a 100,000+ hour service life, which results in extreme efficiency and greatly reduced maintenance costs. The solid state design of the LED lamps give this fixture superior resistance to damage from vibration, extremes in temperature and a lamp service life over twice that of standard T5 fixtures.

This light is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a special ballast. We offer 347-480V AC 50/60 Hz on special requests. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LED luminaries. The LED lamp produces 3,600 lumens with a color temperature of 5600K and a color rendering index of 70, which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The EPL-24-50LED -PND is pendant mounted with a 1/2" hub for a rigid conduit and ideal for installation in locations where space is at a premium.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MV.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Low profile - Light weight
8. 3,500 Lumen output from only 40 watts

Superior LED Benefits

1. 100,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

Specifications / Additional Information**EPL-24-50LED-PND Explosion Proof****UL Listing:** United States - Canada**Dimensions:** W-4.83" L-25.56" H-6.15 "**Weight:** 17.5 Lbs**Total Watts:** 40 watts**Voltage:** Universal 120-277VAC 50/60 hz**LED Lamp Life Expectancy:** 100,000+ Hours**Lumens:** 3,600/ 90 Lumens Per Watt**Ambient Operating Temp Range:** -40 C to 65 C**Operating Temp Rating:** T4A Rated**Minimum Operating Temp:** -40 C**Maximum Case Temp:** 65 C**Beam Angle:** 150 degrees**Color Temp:** 5000K**Mounting:** Pendant**Wiring Hub:** 1/2" threaded NPT**Warranty:** [YES](#)- 5 Years***U.L. Ratings**

Class 1 Divisions 1&2, Groups C & D

T4A Temp Rating

UL 844

UL 1598 Marine Type

UL 8750

IP66 Rated

NEMA 4X

CSA 22.2 No. 137-M81

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**E-mail:** sales@larsonelectronics.com

*5 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

[Scroll Down to Purchase-](#)[Part #: EPL-24-50LED-PND \(64319\)](#)

Links (Click on the below items to view):

[- Dimensional Drawing](#)[- Manual](#)



EPL-24-50LED

MANUAL

SUITABLE FOR WET LOCATIONS in the following locations or unclassified locations:

For Use In: Class I, Division 1 & 2 Groups C, D

Temperature Code: T5 for 2' model, T4A for 4' model

Ambient Temperature Range: -40C to +65C



These instructions contain important safety information, read and follow them carefully. Dialight will not accept any responsibility for injury, damage or loss which may occur due to incorrect installation, operation or maintenance



1: Introduction

This Linear LED light is designed for illumination of industrial locations. It uses the latest in solid state lighting technology for long life, low maintenance, and high efficiency.

The unique optical design focuses light downward to where it is needed, giving improved efficiency over a conventional HID luminaire.

An internal, universal input, power-factor-corrected switch-mode supply allows it to be used from any nominal 100V-277V, 50/60Hz AC supply without any variation in light output.

Note: Save these instructions for future reference.

2: Installation**⚠ Warning:**

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

⚠ Warning:

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor.

⚠ Warning:

To avoid explosion:

- Make sure the supply voltage is within the luminaries' voltage rating.
- Ensure the marked T Rating is less than the ignition temperature of the Hazardous Atmosphere.
- Do not operate in ambient temperatures above those indicated on the Luminaire nameplate.
- Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.
- WARNING - EXPLOSION HAZARD – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2, CLASS II DIVISION 1.
- AVERTISSEMENT - RISQUE D'EXPLOSION - LA SUBSTITUTION D'E COMPOSANTS PEUT RENDRE CE MATERIEL INACCEPTABLE POUR LES EMPLACEMENTS DE CLASSE I, DIVISION 1, CLASSE II, DIVISION 1.

⚠ Warning:

To avoid explosion (Continued):

- EXPLOSION HAZARD- DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON-HAZARDOUS
- AVERTISSEMENT - RISQUE D'EXPLOSION - AVANT DE DECONNECTER L'EQUIPEMENT, COUPER LE COURANT OU S'ASSURER QUE L'EMPLACEMENT EST DESIGNÉ NON DANGEREUX

⚠ Warning:

- DO NOT let power cord touch hot surfaces
- DO NOT mount near gas or electric heaters
- Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition
- DO NOT use this equipment for other than intended use

⚠ Warning:

The technical data indicated on the Luminaire are to be observed.

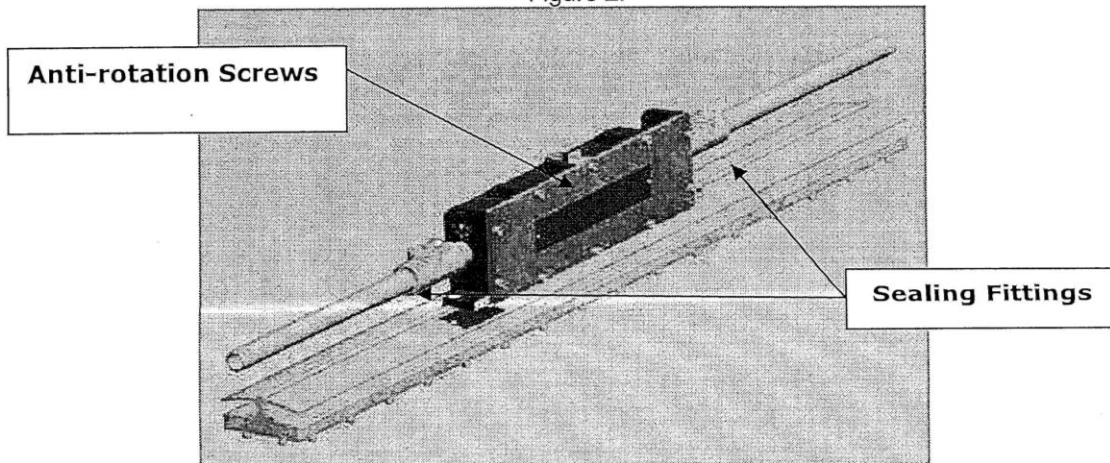
- Changes to the design and modifications of the Luminaire are not permitted
- Only genuine Dialight replacement parts are to be used when unforeseen maintenance is required. Consult factory at www.Dialight.com or authorized representative as required.

For supply connections use wire rated for at least 90°C

Conduit thru Mount (Figure 2) Installation Steps:

- For maximum long term reliability and light output, the light must be installed in free air.
 - The Linear fixture design incorporates an over-temperature control circuit that reduces input power should internal temperatures reach a maximum level. In this event, light output may be reduced.
- The Linear fixture is threaded for 3/4" NPT, at the center and each end of the Power Supply Housing, in order to be assembled to conduit.
 - Attach conduit as shown in figure 2. Use conductive pipe sealant for all fittings and conduit.
 - **Warning:** If there is moisture present, or chance of it, in the conduit system then necessary precautions should be taken by the installer to prevent the moisture from entering thru the cable or conduit and entering the fixture. Failure to comply with the above could void factory warranties.
 - Fixture is factory wired for both Pendant and through wiring. Remove the Power Supply Cover to attach incoming power to the white wire and black wire leads with wire nuts at the end of the fixture. Attach the ground wire to the green ground lead supplied at the end of the fixture. Repeat this procedure for the opposite end. Ensure that the o-rings are properly seated in the grooves; reattach the Cover using the screws previously removed. Tighten all screws to 15 in/lbs (1.75NewtonM's)
 - Connect incoming power as follows:
 - Green to Safety Ground using green ground lead supplied at the end of the fixture.
 - Neutral to white
 - Line to black
 - Restore power and verify operation.

Figure 2.



Conduit Pendant Mount (Figure 3) Installation Steps:

- For maximum long term reliability and light output, the light must be installed in free air.
 - The Linear fixture design incorporates an over-temperature control circuit that reduces input power should internal temperatures reach a maximum level. In this event, light output may be reduced.
 - The Linear fixture is threaded for 3/4" NPT, at the center and each end of the Power Supply Housing, in order to be assembled to conduit.
 - Attach conduit as shown in figure 3. Use conductive pipe sealant for all fittings and conduit.
 - **WARNING** : If there is moisture present, or chance of it, in the conduit system then necessary precautions should be taken by the installer to prevent the moisture from entering thru the cable or conduit and entering the fixture. Failure to comply with the above could void factory warranties.
 - Fixture is factory wired for both Pendant and through wiring. Remove the Power Supply Covers to attach incoming power to the white wire and black wire leads with wire nuts at the center of the fixture. Attach the ground wire to the green ground lead supplied at the center of the fixture. Ensure that the o-rings are properly seated in the grooves, reattach the Cover using the screws previously removed. Tighten all screws to 15 in/lbs (1.75NewtonM's).
- Restore power and verify operation.

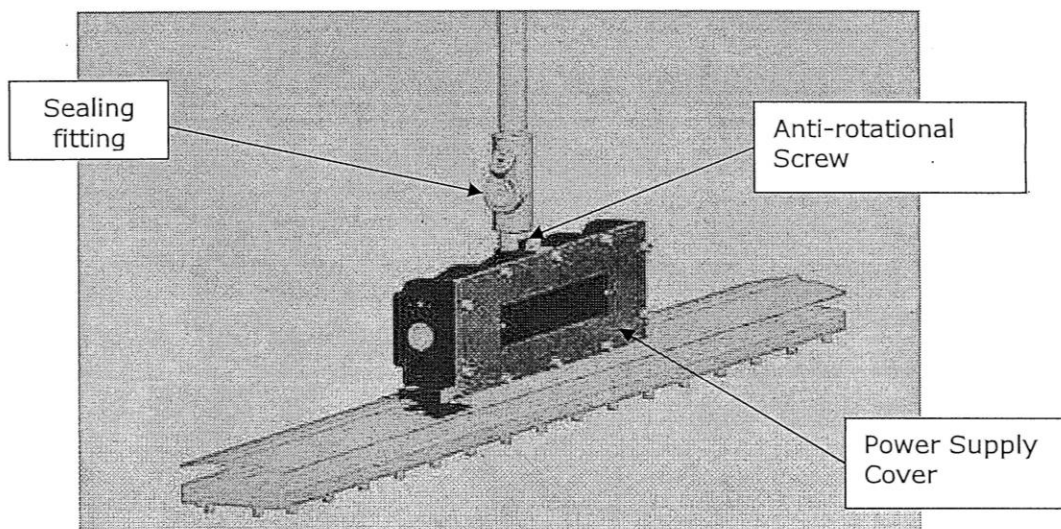


Figure 3

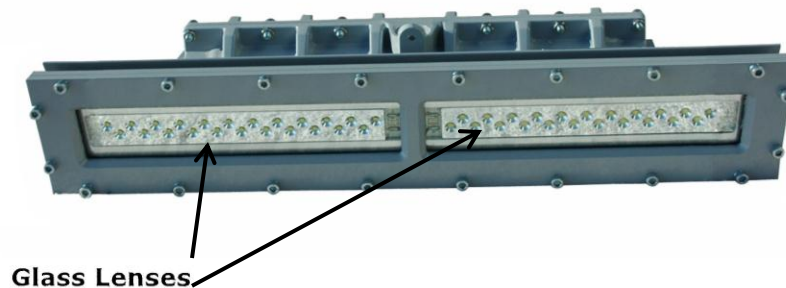
3: Maintenance

- To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

⚠ Warning: No user serviceable parts inside of fixture. Risk of electric shock. Removal of the lens will void the warranty.

- 1) We suggest performing visual, mechanical and electrical inspections on a regular basis. We suggest routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended Practice for Electrical Equipment.
- 2) If the lens (Figure 4 below) requires periodical cleaning to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap and water.
- 3) Inspect the outside of the Luminaire housing to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
- 4) Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.
- 5) **NOTE:** Screws other wiring compartments are factory torqued and should not be tampered with during installation or maintenance.

Figure 4.



NOTE: Screws and Glass are NOT field replaceable