



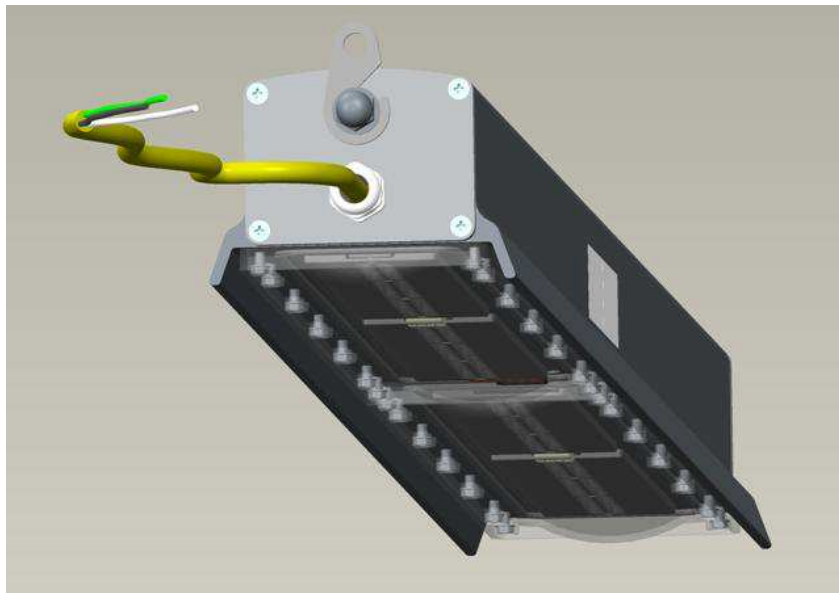
**INSTALLATION AND MAINTENANCE MANUAL
DUROSITE[®] LED LINEAR FIXTURE**

Document No: 9100-127-2522-99 Rev A
April, 2016

MODELS

**(2 foot Version)
ALL LAN VARIATIONS**

**(4 foot Version)
ALL LBN VARIATIONS**



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 120V-277V, 50/60Hz AC supply without any variation in light output.

Models listed above are SUITABLE FOR WET LOCATIONS in unclassified locations:

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

Ambient Temperature Range: -40C to +65C

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:

- 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 recommend by the manufacture may cause an unsafe condition
- DO NOT use this equipment for other than it's 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.

⚠ Caution (For models LAXXXXXXXXXXCX and LBXXXXXXXXXCX):

Special consideration for Dialight's proprietary Advanced Corrosion Protection models.

Dialight's Advanced Corrosion Protection guards against salt corrosion in offshore and marine environments. Please take special care to minimize scratches, dings, impacts or other damage to the product surfaces. Damage to surfaces will not eliminate the surface finish protection but may affect its performance in certain applications.

⚠ Caution (For all models):

Chemical Compatibility Guide

Footnote on Chemical Compatibility Guide:

The chemical compatibility data referenced in the manual was supplied by the raw material manufacturers and is intended as general guide. The data represents the basic material properties and does not necessarily represent the performance of the final product due to manufacturing process and design variations for each final product. Chemical compatibility is highly dependent on concentration, temperature, humidity and other environmental conditions and therefore the customer assumes responsibility for evaluation of gaseous or direct contact chemical compatibility at their site prior to product installation.

www.dialight.com/pubs/MDTFCHEMRFLX001.pdf



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

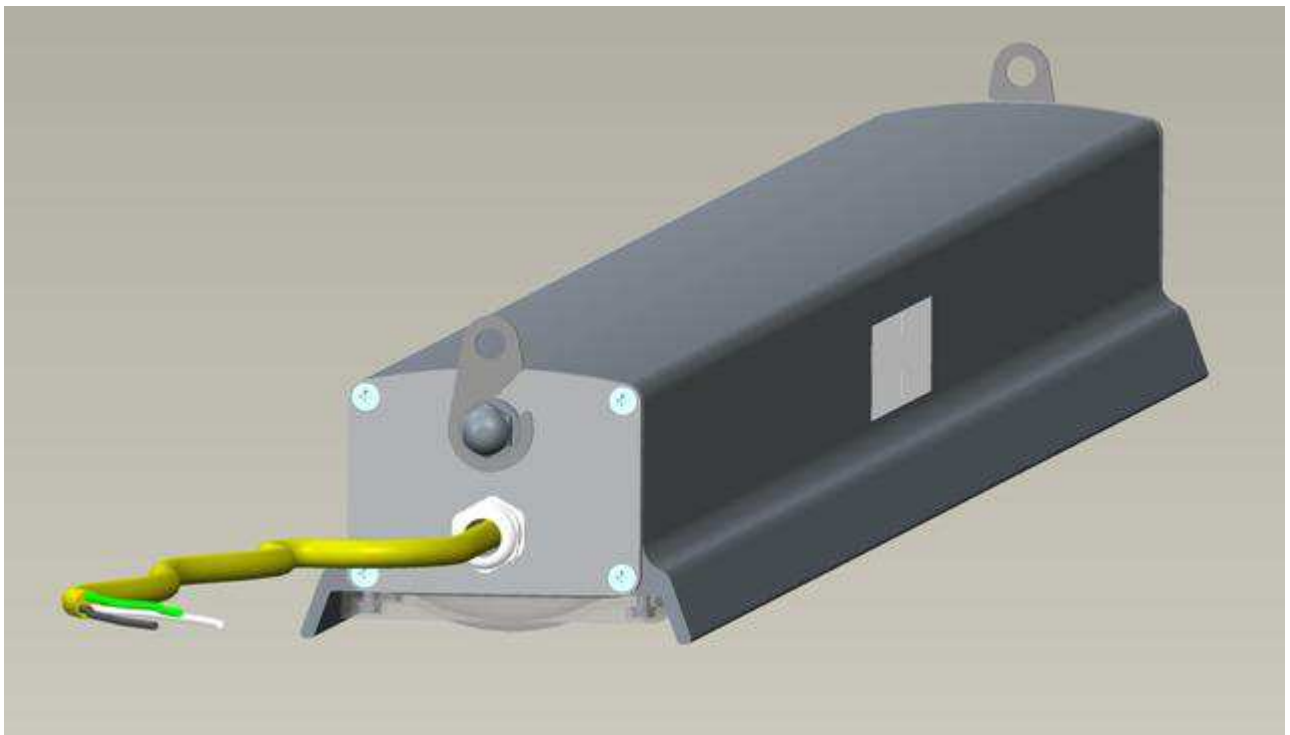
Chain Mounting and Power Cord (Figure 2) Installation Steps:

- 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 supplied with a 6' A/C power cord, at one end (plug is not supplied). The fixture is intended to be chain mounted. Chain mount brackets are factory installed at each end of the fixture, see figure 2.

Warning:

- Ensure that the proper chain is used to support the fixture weight. See the Specifications section for 2' and 4' fixture weights.
- Fixture is factory wired with LINE (black), NEUTRAL (white) and GROUND (green) leads from the 6' cord. Attach a plug or direct wire the fixture.
- Restore power and verify operation.

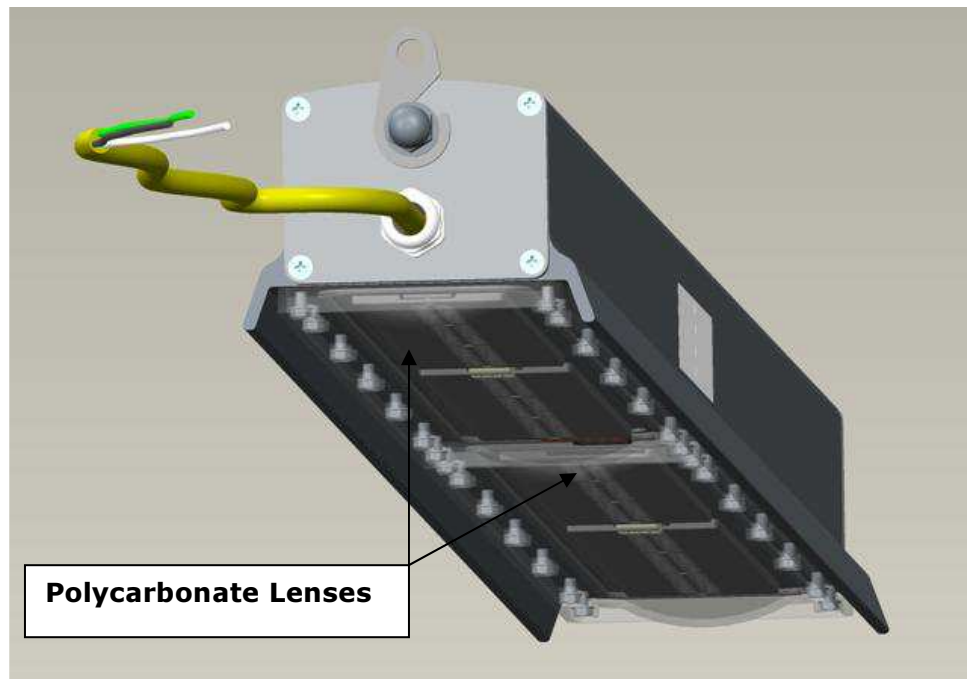
Figure 2.



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:** All screws are factory torqued and should not be tampered with during installation or maintenance.

Figure 4.

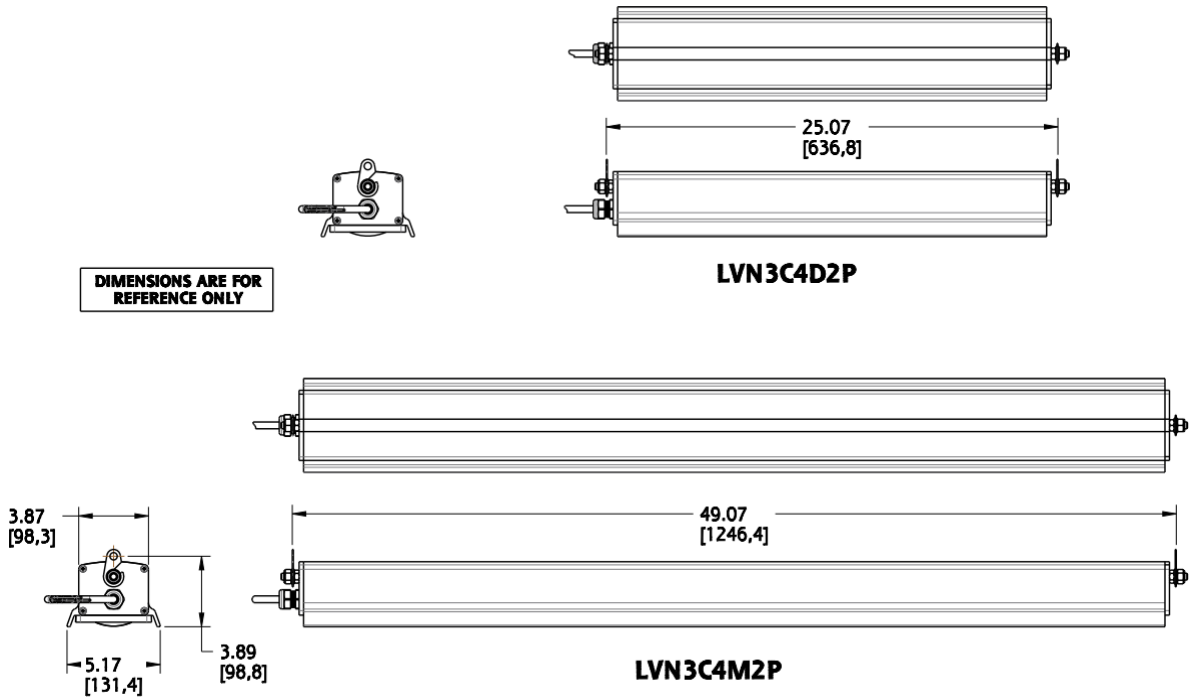


Specifications

Nominal AC Supply Voltage	120-277VAC, 50-60Hz
Power consumption:	
2' version	32W nominal
4' version	60W nominal
Input Current: (Nominal)	.31Amps @100Vac (2 foot) .57amps @100Vac (4 foot) .12Amps @277Vac (2 foot) .24Amps @277Vac (4 foot)
Operating temperature range	-40°F to +149°F [-40°C to +65°C] T5 @ 149°F [65°C]
Power factor	>0.9
ATHD	<20%
Dimensions (L x W x H)	See Figure 5.
Weight	13 lbs [5.9 kg] (2') 18 lbs [8.0 kg] (4'),
Intertek Certified to	UL 1598/1598A and C22.2 No. 250.0
NSF Certified for	Non-Food and Splash Zones



Figure 5.



All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof is not guaranteed. In accordance with Dialight Corporation "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith

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