4 Watt LED Light Fixtures for Hazardous Location Illumination
6.5" Low Voltage Light Fixture
Instruction Manual

Thank you for your purchase of the Larson Electronics GSLEDIP6-C1D2.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE GSLEDIP6-C1D2 MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.

WARNING: MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.
RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.
RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

WARNING:

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. THIS LINE CORD IS INTENDED TO ALLOW OPERATORS TO EXTEND POWER TO EQUIPMENT WHEN STATIONARY OUTLETS ARE NOT READILY AVAILABLE.

IMPROPER USE OF THIS CORD, PLUG, AND RECEPTACLE CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.

PERIODIC INSPECTION OF THE CORD IS NECESSARY.

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE.

II. Warnings and Safety Ratings

I. Warnings

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.

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.

Do **NOT** install fixture in any classified location where the marked operating temperature exceeds the ignition temperature of the hazardous atmospheres.

Consult fixture nameplate for the suitability ambient temperature shown on the nameplate.

Refer to fixture nameplate for minimum supply wire temperature rating.

Verify that the supply voltage agrees with fixture rating as indicated on the nameplate.

All local and national electrical/building codes must be followed when installing this lighting fixture. For code interpretation, consult your local authority.

Product must be used only with glass tubes intact and all cap threads fully engaged. Do **NOT** use if glass tubes are cracked or damaged in any way.

Make sure that the power is disconnected before installing. This fixture is extremely heavy and must be mounted to a surface that can structurally support the load.
Do **NOT** let fixture hang on one bracket at any time. Failing to comply can result in breakage of end casting or mounting bracket, allowing the fixture to fall, which can cause serious injury or death.
Only use lamp size, type and/or wattage as shown on fixture nameplate.

II. Ratings

Class I, Division 2 Groups A, B, C, D
CSA 22.2 No. 250.0
1598
IP54 Ingress Protection
T3 Temperature Ratings

The Larson Electronics GSLEDIP6-C1D2 is a low voltage hazardous location lighting solution approved for Class1 Division 2 environments and U.L. 1598 compliant for use in wet locations. This powerful LED strip light produces 221 lumens, operates from 12 or 24 VDC, and is suitable for a variety of applications.

WIRING

These hazardous location LED lights are equipped with 5 feet of cord containing a standard two wire (White+ Black-) connecting configuration. These lights are not multi-voltage; each light is preconfigured for 12 or 24 volt DC current at 4 watts .33 amps on 12 VDC and .16 amps on 24 VDC.

Standard pigtail(flying leads) wiring

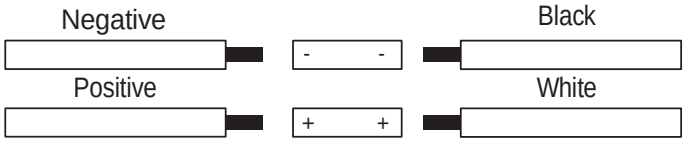
We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 12-14V DC.

Warning: *Check product label for correct input voltage!*

Attach supply line wires to the appropriate light fixture wires as shown in the diagram ➔



Secure each pair of wires according to the diagram. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes.



Features

4 Watts
12V DC or 24V DC Model
100,000 Life Expectancy

Check product label for correct voltage.

Options

Voltage: 12V DC @ 0.33 amps **OR** 24V DC @ 0.16 amps

MOUNTING

The GSLEDIP6-C1D2 hazardous location LED light is constructed of extruded aluminum with a tough powder coat finish for high strength and durability. The housing is IP54 rated, providing limited ingress protection against dusts, and l protection against light water spray such as rain. This design is weather resistant, suitable for indoor or outdoor applications, and ideal for areas where wetness or dusty conditions are commonly encountered.

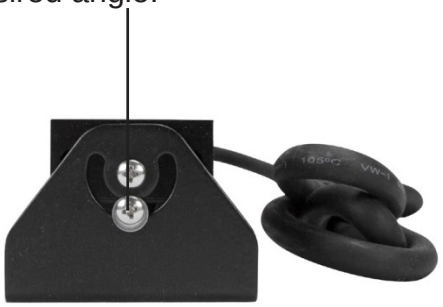
The LEDs in this unit are Cree X-Lamp XR-E units that have been chosen for their high lumen per watt ratio and extreme long life. These Cree LEDs provide over 90 lumens per watt output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than comparable LEDs. These fixtures are offered with a clear or frosted lens. The frosted lens helps diffuse the light, providing a more even spread. The clear lens will provide no diffusion.

Mounting for this unit is provided by two standard adjustable end brackets that allow operators to mount the light to flat surfaces and then adjust the light vertically for the best placement. The entire assembly weighs 0.7 lbs and measures 6.5 inches in length and 2.68 inches wide and 1.69" deep, making it ideal for mounting in areas where space is limited and a low profile fixture more readily installed.

INSTALLATION

1. Mount fixture in desired location using 1/4” screws (not included).
2. To position, loosen the bolt at the end without the cord, adjust fixture to desired angle, and re-tighten to hold in place.
3. Supply side of the cord must be terminated with a listed cord connector complying with the NEC/CEC requirements of the installation. The cord connector must be rated for use with suitable cable of types SOW, STOOW, STOW, SEOW, SEOOW having a diameter between 8.75mm/o.345” and 9.4mm/0.370”. The listed cord connector must be installed in a listed box complying with the NEC/CEC location requirements of the installation. The cord connector and box must be rated to the environment of the installation. The installation environment must not exceed the Ingress Protection IP65 rating of the luminaire.
4. Connect the lead wires from the cord to the field supply wiring. The field wiring terminations are to be made following acceptable practices as outlined by the NEC/CEC for either the specific ordinary or hazardous locations as dictated by the installation location.
5. Energize luminaire.

Loosen bolt to adjust to desired angle.



***DO NOT connect light to high-voltage. Do-ing so will cause permanent damage to fix- ture and void warranty.**

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

- Disconnect power running to the lamp and be sure the fixture is cool to the touch.
- Use a non-abrasive glass cleaning solution to clean the lens.

Note: *It is not necessary to open the fixture and clean or touch the LED's.*

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The GSLEDIP6-C1D2 is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.