150W EXP LED Light
21,000 Lm - Tripod - Quick Change Mount - C1D1 - 100' 16/3 SOOW - GEN Plug

Instruction Manual

Thank you for your purchase of the Larson Electronics EPL-QC-QP-1X150LED-RT-100.

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 EPL-QC-QP-1X150LED-RT-100 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. WHEN EXTENSION CORD IS CONNECTED TO A POWER SOURCE IN HAZARDOUS AREA, PLUG AND MATCHING RECEPTACLE MUST BE SUITABLE FOR HAZARDOUS LOCATION INVOLVED. IMPROPER USE OF THIS DEVICE, ASSOCIATED PLUG, RECEPTACLE, AND CORD CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.

PERIODIC INSPECTION OF THE RECEPTACLE AND 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 OF THE UNIT.

ELECTRICAL POWER SUPPLY MUST BE “OFF” BEFORE AND DURING INSTALLATION AND MAINTENANCE. INSTALLATION AND MAINTENANCE PROCEDURE MUST BE PERFORMED BY A TRAINED AND COMPETENT ELECTRICIAN.

IF ANY PARTS OF THE RECEPTACLE OR PLUG APPEAR TO BE MISSING, BROKEN, OR SHOW SIGNS OR DAMAGE, DISCONTINUE USE IMMEDIATELY. REPLACE WITH THE PROPER REPLACEMENT PART(S) BEFORE CONTINUING SERVICE.

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.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE 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 PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

The EPL-QC-QP-1X150LED-RT-100 Portable Explosion Proof Tripod Mounted LED Tank Light from Larson Electronics produces 21,000 lumens of light capable of illuminating an area 10,000 square feet in size. This adjustable Cree LED unit is designed for maximum portability and durable, versatile operation. This unit is part of the QC Series, providing a quick disconnect mounting system and compatibility with several additional mounting solutions. This powerful LED fixture comes attached to a tripod mount that allows operators to easily place this unit in the desired location within the workplace or job site.

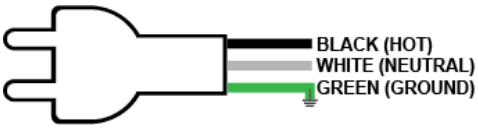
WIRING

The explosion proof tower mounted flood lighting system is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets.

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 120V - 277V AC, 50 or 60Hz.

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

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



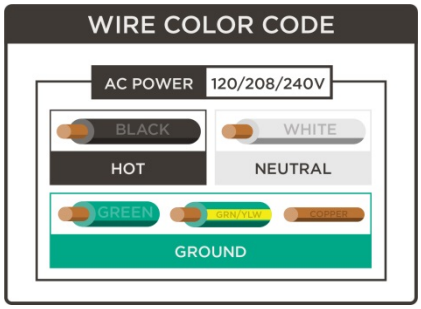
Exp Cord Cap

Position device near work area for operation. Run cable to nearby power source. Insert and twist-lock explosion-proof plug into a compatible receptacle within the hazardous environment. See *plug operation* below.

PLUG OPERATION

Electrical connection between plug and compatible receptacle is accomplished after plug fully inserts into receptacle and rotated clockwise.

1. Lift receptacle door and locate polarization on mating plug pin and receptacle face. Insert plug straight all the way into receptacle until it cannot go further.
2. Rotate plug clockwise limit (37º), this closes internal contacts and completes circuit. This also mechanically locks plug into receptacle so it cannot be pulled out.
3. To remove plug, push plug inward and turn to counterclockwise, pull plug straight out.



TRIPOD ASSEMBLY

The quadpod assembly consists of 3 parts:

1. Light head
2. Pole w/Legs
3. Wheel base

To assemble quadpod, begin by placing the legs over the wheel base. Tighten bolt to secure the wheels. The quadpod can now be rolled around on its wheels. Ensure the legs are folded up before tilting quadpod to maneuver.

WARNING: *Use caution before tilting quadpod with a heavy load. For heavy loads, it is recommended to remove the light head prior to transporting via wheel base! Failure to do so may cause serious injury or death. Larson Electronics shall not be held liable for injuries caused by misuse.*

1. Place tower in desired location that is flat and able to support the quadpod without falling over.
2. Loosen hand screw and lower legs until firmly stabilizing quadpod.
3. Tighten hand screw to secure legs.
4. With help, place the light head over top pole and tighten hand screw.

Light weight lamps can be attached by tilting quadpod toward the ground with the legs up. Attach light head to pole, tighten hand screw and tilt back to its vertical position. DO NOT tilt quadpod while extended to max height. It is recommended to have another person hold the quadpod while tilting vertically.

For heavy weight lamps, use a ladder and extra help for attaching light head to pole.

Double check that all hand screws are tight before continuing use of the light tower.

EXTENDING

1. Loosen hand screw for extending the light head. Once loose, extend light head until desired height is achieved with at least 1ft - 2ft remaining inside pole for support.

WARNING: *DO NOT over extend light head completely allowing extension pole to free from base! If the light head becomes free, serious injury or death can occur. Larson Electronics shall not be held liable for injuries caused by misuse.*

2. When desired height is achieved, tighten hand screw to secure light head.

LOWERING

1. To lower mast, grasp light head and slowly loosen hand screw. Lower the light head and tighten hand screw.

WARNING: *DO NOT loosen hand screw allowing light head to fall freely. This can damage the unit and cause serious injury or death. Always grasp light head before lowering. Larson Electronics shall not be held liable for injuries caused by misuse.*

The quadpod mount light tower can be disassembled for storage or transporting. Unplug light from power source and remove light head following previous steps for attaching.

Once the light head has been removed, loosen hand screw for legs and fold them up. Wheel to desired location or remove from wheel base for complete disassembly.

THE LENS AND CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, SCRATCHES OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE PARTS MUST BE REPLACED BEFORE RESUMING USE OF THE LIGHT TOWER.

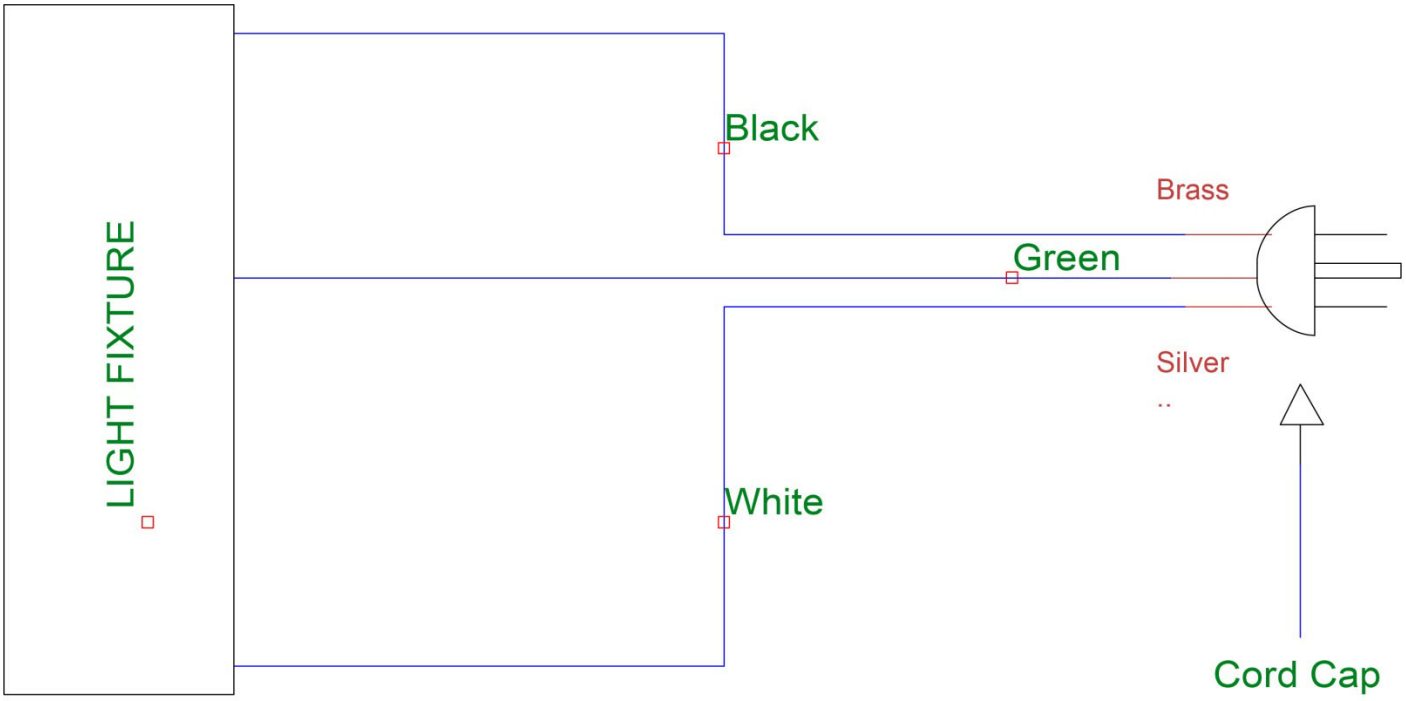
The EPL-QP-1X150RT series is designed to provide years of reliable lighting performance. Should the need for replacement parts arise, please contact Larson Electronics at the contact information below.

WIRING (see attached wiring diagram)

This unit comes preconfigured with selected cord cap, and beam spread. Once deployed, plug cord cap into compatible receptacle with **Voltage: 120-277 Volts AC, 50/60Hz**

This explosion proof portable lighting system is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

WARNING: CHECK NAMEPLATE FOR PROPER VOLTAGE. DAMAGE FROM IMPROPER VOLTAGE WILL VOID WARRANTY.



VOLTAGE

This explosion proof LED light is universal voltage capable and can be operated with 100-277V AC, 50/60 Hz without modifications to the fixture. A low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 volts is also available. 18-48V AC/DC voltage models are available for network systems and marine vessels. We also offer an additional 347-480V high voltage, 125-250V DC, and 0-10V dimmable versions of this explosion proof LED light fixture.

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MOUNTING

This unit is mounted on an aluminum tripod with anti-static urethane wheels for seamless transportation around the work site. The light tower can be extended to a maximum height of 9.42 feet and retracted down to 6.8 feet. Components used for height adjustments during deployment are conveniently located at chest level, allowing operators to make changes to lighting setups and configurations with ease. This tripod is suitable for portable, temporary, and stationary mounting of equipment. A round-pole design makes the assembly easier to handle and transport compared to square-shaped models.

A horizontal T-mount platform is provided at the top of the tower for mounting customer-provided equipment. The tripod features a rotatable head for quick repositioning of mounted equipment, without needing to turn the base legs or entire tower. To adjust the vertical tilt and position of mounted fixtures, operators simply loosen both brackets (located at both sides of the light). After the desired position is achieved, the brackets are tightened. An accessible hand knob can be used to remove the mounted fixture for storage or transportation.

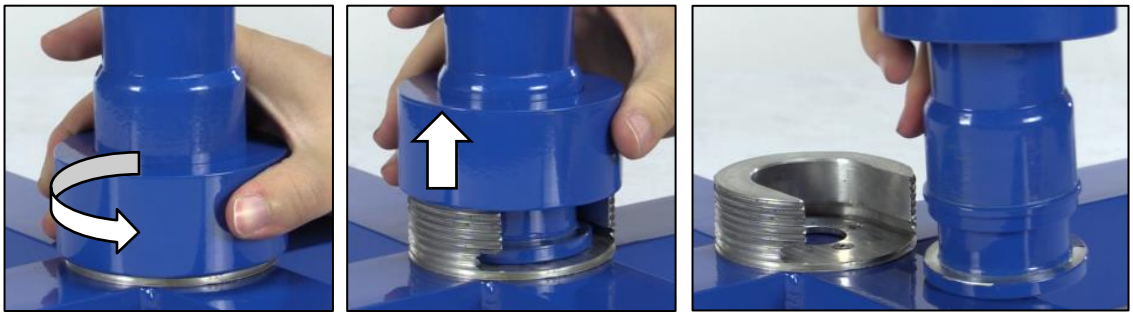
The base of the lightweight tower consists of three 49.1" legs, with an even 120° spread for a balanced foundation. All three legs are fold-able, which caters to space-saving requirements during storage and allows the assembly to pass through tight spaces. Unlike tripods with bent or L-shaped legs, this portable light tower incorporates a flat foundation for a sturdy base. The tower`s base is also equipped with two wheels for freedom of movement at industrial facilities, as well as streamlined setup and tear-down at remote work sites. Removal of the wheel kit can be completed without special tools.

All tripods are in stock and ready to be shipped for customers with immediate lighting or mounting needs. For fast and cost-effective deliveries, the entire light tower assembly can be shipped via UPS. Freight and expedited hotshots commonly associated with light mast deliveries are not needed for this compact tower.

Often referred to as simply a "tank light," this unit is considered universal due to its ability to be passed through any conventional manhole such as those found in petrochemical containers and ship storage tanks. Transferring the unit through manholes consists of simply removing the light head from the base, passing the light head and base through the manhole separately, and then reassembling the unit once inside.

QUICK CHANGE MOUNTING SYSTEM

The Quick Change (QC Series) mounting system from Larson Electronics features an innovative quick change design platform, allowing operators to quickly mount and dismount the light head assembly from the mounting base. To mount a QC Series compatible light fixture, operators simply slide the male end mounting section of the light assembly into the female end mounting section on the mounting base, then tighten the locking ring to ensure the light assembly has been secured. To dismount, operators unscrew the locking ring, slide the light head assembly forward, and the light assembly has been removed.



MAINTENANCE

Caution: 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. Perform visual, mechanical and electrical inspections on a regular basis. We recommend 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. The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.
3. Inspect the cooling fins on the luminaire 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.

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 EPL-QC-QP-1X150LED-RT-100 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.