Larson Electronics LLC www.LarsonElectronics.com sales@larsonelectronics.com
9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364

LEDP5W-30-TP1-50CR

IMPORTANT: Read this manual carefully before installing, operating, or servicing this equipment.

PERSONNEL SAFETY

Personal injury and/or equipment damage may result if proper safety precautions are not observed.

- Ensure that power supply voltage does not exceed maximum voltage rating of reel.
- Ensure that reel is properly installed before connecting to power supply and that the switch is off.
- Ensure that all electrical power is removed from reel before servicing.
- A high-tension spring assembly is contained within the reel. Exercise extreme caution.
- Check for frayed and/or broken wires before each use.
- Pull electrical cord from reel by grasping the electrical cord itself, not the work device.
- If an electrical malfunction should occur, remove power from reel immediately.
- Ensure that reel, electrical cord, and equipment being serviced are properly grounded Use an ohmmeter to check ground continuity.
- If reel ceases to unwind or rewind, remove power immediately. Do not pull or jerk on electrical cord.
- Treat and respect the reel as any other piece of machinery, observing all common safety practices.
- **WARNING:** The switch must be OFF before connecting to power. Otherwise not doing so may damage the unit.

WARNING: *The following procedure directs the technician to take voltage measurements. Remember, even low voltage is dangerous and can cause personal injury or death. Exercise extreme caution!*

1. If work device is either an incandescent or fluorescent light, replace bulb with a known good bulb. If this does not correct the problem, proceed to step 2. If work device is an electrical receptacle, ensure that tool or fixture connected to it is in good working order.
2. Remove power from reel.
3. Remove access cover.
4. Reapply power to reel.
5. Check for correct voltage at terminal strip. If voltage reading is correct, replace electrical cord/work device. If voltage reading is incorrect, proceed to step 6.
6. Remove power from reel.
7. Remove brushholder from reel and inspect brushholder and brushes. Replace defective components. Proceed to step 8.
8. Reapply power to reel.

9. Check for correct voltage at terminal strip. If voltage reading is still incorrect, replace defective collector.
10. Replace access cover.

QUADPOD OPERATION

The light fixture mounts onto a portable quadpod tower. This tower is adjustable from 7’ to 12’.

The tower should be assembled on the ground and the light head should be mounted before standing the tower up. On the back of the light head is a T-handle to tighten the light head onto the mast, which secures the LED light to the tower. At the top of the tower is a T-handle that adjusts the height of the tower. In the center of the tower is a third T-handle that locks the quadpod legs in the transport position. Ensure all T-handles are tightened before standing the tower upright.

Once the tower is standing, loosen the T-handle in the center of the tower to lower the quadpod’s legs. These legs are used to level the tower and provide stability during deployment. Once positioned, lock the T-handle in place. The T-handle at the top of the tower allows vertical height adjustment of the tower. Loosen this T-handle to raise or lower the tower, then re-tighten it to lock the tower in place at the specific height. Do not loosen the T-handle on the light head assembly except when removing the light.

Wire management is provided via a spring driven, ratcheting cord reel equipped with 12/2 cable. At the end of the cord reel is a Deutsch waterproof quick disconnect, allowing operators to disconnect power from the light for storage/transportation purposes. On the cord reel is an on/off switch for switching the light off without disconnecting power to the unit.

MOUNTING CORD REEL

1. Unpack and inspect reel for damage. Turn by hand to check for smooth operation. Check for completeness.
2. Configure reel for top, side or bottom-wind (bottom-wind for constant tension reels only) electrical cord dispensing by removing screws, securing guide arm bracket. Determine new guide arm location and remove corresponding screws. Position guide arm bracket to reel and replace screws.
3. Position reel on floor, wall, or ceiling. Secure into place, using four (customer supplied) screws or bolts.
4. Connect power to reel.
   WARNING: Ensure that the power supply voltage does not exceed maximum voltage rating of reel. Observe applicable NEC. OSHA, and local electrical codes.

Larson Electronics LLC www.LarsonElectronics.com sales@larsonelectronics.com
9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364

SERVICE INSTRUCTIONS

Maintain reel by following the service instructions given below. Refer all other repairs, other than those listed, only to an authorized service person or directly to Larson Electronics. Failure to do so can result in personal injury and/or equipment damage and may void the warranty.

WARNING: Remove power from reel before performing the following procedures.

SPRING TENSION

If necessary, adjust spring tension on reel by adding or removing wraps of electrical cord from spool, one wrap at a time, until desired tension is obtained. Add wraps to increase tension. Remove wraps to decrease tension.

WARNING: When adding wraps of electrical cord, be careful not to exceed the winding mechanism's spring capacity. Add just enough wraps of cord to achieve the desired tension. Damage to the winding mechanism will result if spring is over-tensioned. *Always beware of spring tension on reel. Exercise extreme caution.*

CAUTION: To eliminate heating and damage to reel cord, pull all cord from reel if electrical load approaches maximum rating.

TROUBLE SHOOTING INSTRUCTIONS

Troubleshooting of the reel consists of isolating a problem to a defective cord/work device, cable, or light. Refer any other discrepancies only to an authorized service person or directly to Larson Electronics.