

# INSTALLATION INSTRUCTIONS

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## *Installation and Maintenance Manual* **K445-T1GR (LED)**

### **WARNING:**

Read these instructions carefully before attempting to install or maintain this product. Work must be done by qualified personnel. Improper installation or maintenance may result in personal injury or death or significant property damage.

### **INSTALLATION WARNING:**

Be certain that all electrical power is disconnected from the fixture before installing or maintaining the fixture. Failure to do so may result in personal injury or death.

### **CAUTION:**

Supply conductors that are run through the inside of a pole shall be supported by means capable of preventing injury and strain on the conductors.

### **CAUTION:**

Under no circumstances should the complete fixture, including the globe, be installed on the street light pole and arm on the ground prior to the pole being erected. Installing the complete and assembled luminaire to the pole/arm prior to pole erection and then erecting the pole with the complete luminaire attached will result in VOIDING of the King Luminaire warranty.

*In its ongoing commitment to continuous improvement, King Luminaire Inc. reserves the exclusive right to change materials and designs without notice.*



## ***Introduction***

### ***PRODUCT DESCRIPTION:***

The K445R-T1GR Rotolok SOL-LUX LED fixture is designed and tested in accordance with UL1598 (prev. UL1571 and UL1572) and CSA C22.2 No. 250-00.

- » The fixture is designed to operate LED light sources up to 100 watts.
- » All electrical components, including the LED tower and driver assemblies, may be removed from the fixture; electrical connections must be turned off and disconnected.

### ***Tools & Materials Needed:***

- » 3/16" Allen Key

### ***Questions***

If additional information is required, please contact:

King Luminaire Co. Inc.  
Customer Service Department  
**1-800-268-7809**  
scgrp.com

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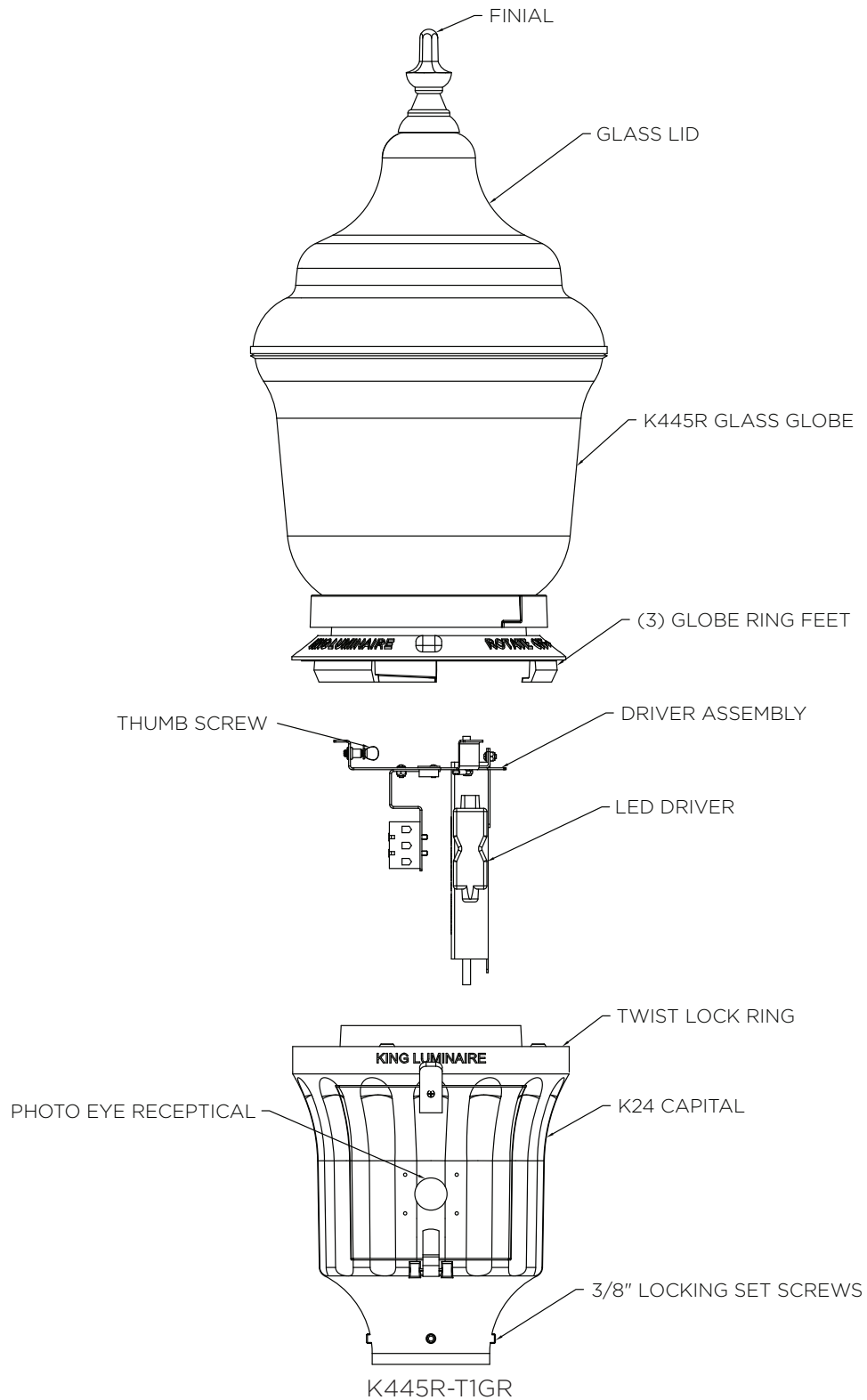




## Fixture Installation

1. Disconnect the electrical supply to the intended luminaire location.
2. Remove the luminaire from the packaging and check that the contents match the purchase order. Check for damage incurred in shipping. Note that for luminaires equipped with a twist lock photo-cell receptacle that the photocell is normally supplied by others.
3. Check that the voltage noted on the nameplate is the same as the power supply voltage.
4. The Driver Assembly is equipped with a quick disconnect wiring harness, or in some cases a terminal block.
5. Remove the globe assembly, including the internal tower assembly, from the capital; grip the capital firmly and rotate the globe counterclockwise.
6. Remove the driver assembly from the capital by loosening the thumbscrew on the universal driver bracket and pulling the assembly out of the capital.
7. Assemble capital to the tenon on the pole top and secure by tightening 3 locking screws.
8. Connect supply conductors to the quick disconnect wiring harness, or the terminal blocks if applicable, of the driver assembly. Assemble driver assembly into the capital. If the capital has a photo control device, such as a photo receptacle for photo eye technology, position the driver assembly so that the driver and components have proper clearance from the photo control device. Tighten the thumbscrew on the universal driver bracket to secure the assembly into the capital.
9. For those luminaires equipped with a twistlock photocell in the capital: Insert a photocell into the twistlock receptacle. Make sure that the driver assembly is not in the way of placing the photocell into the photo receptacle. See steps #6 and #8 for driver assembly removal and installation respectively. To orientate the photocell, loosen the three set screws in the capital and rotate the capital to the desired position, generally, as close to NORTH as possible. Tighten the set screws when finished.
10. Assemble the globe to the capital; Lower the globe close to the capital and connect the appropriate quick disconnects between the tower and driver assemblies. Align the 3 feet on the globe ring with the 3 notches in the pressure ring and seat the globe ring on the capital. Rotate the globe clockwise through approx. 60 degrees until a positive stop is encountered.
11. These luminaires are generally available with a type 3 or 5 distribution. If the luminaire is a type 5, it does not need to be orientated, however, if it is a type 3, then it must be orientated. To orientate the luminaire, locate the notation "HOUSE SIDE" on the globe ring casting. This notation will be on the globe ring in the form of cast-in letters. Orientate the globe assembly so the "HOUSE SIDE" notation faces the house side of the street.
12. Reconnect the power supply and check for proper operation.

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## **Maintenance**

**WARNING:** Be certain that all electrical power is disconnected from the fixture before installing or maintaining the fixture. Failure to do so may result in personal injury or death.

### **CLEANING:**

Wipe off exterior dirt and debris before opening or removing the lens. Wipe the lens with a clean soft dry cloth. If the lens needs to be washed, use soap and water. Do not use any abrasive cleaners on optical surfaces. Close or re-install the lens and secure.

