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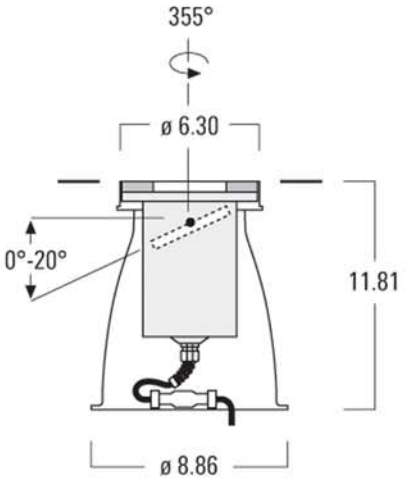
Installation and Maintenance Instructions for Inground Uplights

ETC120-GB LED

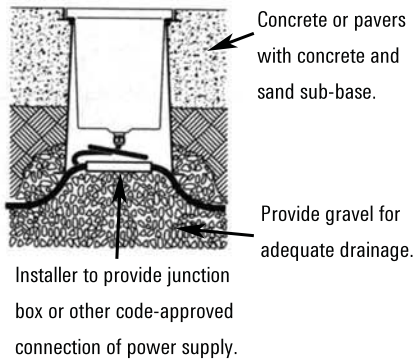
Installation and Maintenance Instructions for Inground Uplights series:

ETC120-GB LED



Light source:
LED 6 W

This product should be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. Be sure the electrical supply is off prior to installation.



1.) Prior to concrete installation, set the blockout **E/O** in an adequate recess in the ground, along with the power supply wiring. The mounting ring **E** should be set flush with the finished pavement, but remain at a higher elevation then the surrounding area to prevent water from pooling on the fixture after installation is complete. Arrow **R** should be pointed towards the object to be illuminated.

2.) After all finished pavement work is completed, the electrical connections can be made (per local codes) and the fixture can be installed as follows.

3.) Switch off the electrical supply. Check that the ratings shown on the fixture labels conform with the electrical supply.

4.) Make the supply connections with the luminaire cable **A**.

5.) Remove two SS mounting screws **Q** from the mounting ring **E** and set the luminaire into the blockout **E/O**.

6.) Remove the lens frame **G** and lens/-gasket assembly **H/I** by removing the six flathead screws **J**.

7.) Attach luminaire to the mounting ring **E** with the two screws (removed in step 5) thru the luminaire flange into the threaded bosses in mounting ring **E**.

8.) To adjust the light distribution, insert a standard tool into wheel **W**. Rotate the wheel **W** counterclockwise until the gimbal can be rotated and tilted (follow the 'open' mark direction at the side of wheel **W**).

To rotate gimbal optic (355 deg rotatable):
a) Grasp both sides of catching ribs **K.**
b) Determine degree on protractor scale **L**.
c) Rotate gimbal optic (while observing the degree on protractor scale **L**) to get the desired orientation.
To tilt the gimbal optic (swivel-tilted 0-20 deg, 2 deg steps):
d) Insert a standard tool (diameter less than 5mm.) into hole **T**.
e) Determine degree of protractor scale **X**.
f) Tilt gimbal optic (while observing the degree on protactor scale **X**) to desired orientation.

Insert a standard tool in one of the radial cavities of wheel **W**. Rotate wheel **W** clockwise until its mechanism is properly locked (follow the 'Lock' mark direction at teh side of wheel **W**). Do not apply more torque than required to lock the mechanism.

9.) Ensure the sealing surfaces of the lens gasket (**I**) and luminaire are clean and free of debris. Place the lens/gasket assy. into the luminaire while aligning the stud on the top flange of the housing, with the corresponding hole in the gasket. Note that there are recesses in the bottom of the gasket to accommodate the screw heads used in step 7.

10.) Place the lens frame **G** on top of gasket/lens assy., and install the six flat head screws **J**, in a cross pattern.

11.) Begin tightening the screws **J** in a criss-cross pattern until all six are properly seated. Repeat the tightening procedure again in a criss-cross pattern, for another two rounds until the final torque of 60 lbf.-in. (6.78 Nm) is achieved.

12.) In locations of high humidity, leave the screws **J** untightened and light the fixture for 30 minutes or more to allow moisture to evaporate. Then tighten the screws as described in step 11.