



Flight Light Inc.  
2708 47th Ave.  
Sacramento, California, U.S.A.  
95822-3806

PH (916) 394-2800    FX (916) 394-2809  
TF (800) 806-3548    EM [info@flightlight.com](mailto:info@flightlight.com)

## Base Can Installation Instructions

### Purpose:

The purpose of this procedure is to provide installers with instructions on how to install and align the base cans.

### Procedure:

1. Base cans are shipped with protective plywood covers. Remove the base can covers and store them in a safe location.



*Base Can Shown with Cover Attached*



*Base Can Shown with Cover Removed*

2. To install base cans, begin by core drilling (typically 12 - 14 inch diameter and 28 - 36 inch deep) holes in the locations specified by the project engineer. Saw cuts should then be made to allow room for the fixture power cables (typically 3-1/2" deep x 1/2" wide). Saw cuts are typically made in line with the centers of the conduit holes.
3. Prepare the drainage system specified by the design engineer.
4. Use of a mounting jig is recommended for proper alignment of base cans. The mounting rig is mounted to the base can by the use of two bolts that fit into the base can bolt holes.



*Mounting Rig Attached to Base*



*Base Can Shown with Mounting Rig Attached*

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5. After the mounting rig is attached, suspend the base can so it is flush with the surface of the pavement. Then align the base can so that the fixture optics (when the fixture is inserted) will align at the desired angle. The use of the base can seam can be used as a reference in the alignment process. Consult with your project engineer to determine the optimal alignment angle for your specific installation.
6. After the base cans are installed, test the drainage system by pouring water into the installed base can at each fixture location. Pour enough water to verify that the underlying ground is absorbing the water. If the base can is not draining properly, modifications to the drainage system will be necessary. In this case, consult with your project engineer before proceeding.
7. Once satisfied with drain system, move on to the installation of the fixture power cables.
8. After all cabling has been completed, encase the base cans and drainage system in concrete. It is recommended that at least 6 inches of concrete be used below the base. Fill saw cuts with Traffic Loop Sealant, or equivalent.
9. Remove mounting jig, clean out base can and replace protective plywood covers until fixtures are ready for installation.
10. After installing fixtures, be sure to mark these covers, "Do Not Discard", and save them for future use.

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