

General Notes

The FAA requires that the edge of the light fitting must be within 1/16" in elevation to the surrounding pavement surface, and ½ ° rotational azimuth, therefore L-868 bases need to be installed with a high degree of precision.

In order to comply with paving tolerances for PCC or Flexible pavements the use of "shims" referred to as spacer or flange rings may be necessary.

Suggested reading:

The Design, Installation and Maintenance of In-Pavement Airport Lighting by Arthur S. Schai, FIES. Now available for download at the FAA website & Jaquith.com

Also available for download at the FAA website: FAA Advisory Circular AC150/5340-30 current release, which covers all AGL installations

Class 1A & 1B L-867 & L-868 Bases

Conduit Openings

-All Class 1A and some 1B bases must have (2) conduit openings at the standard location for proper galvanizing coverage.

Opening Types:

- 1.) Hubs - available only with 2" NPT threads, Hubs are formed to eliminate wire damage when pulling cable into bases.
- 2.) Couplings – threaded openings available in: ¾", 1", 1½", 2" and 3"
- 3.) Flex Connex_– Neoprene grommets available in: ¾", 1", 1½", 2", 3" and 4" (custom sizes available)

Opening Location

- Standard openings are located 180° apart (0°-180°), 2½" up from bottom for all Class 1A bases.
- Bases available with additional conduit openings, at almost any location as required by field applications.

Plywood Covers

- All L-867 & L-868 bases and extensions are shipped with BC grade exterior plywood shipping covers.
- For the outside diameter dimension of the cover, see product drawing
(Non standard sizes available)
- L-867 plywood covers are ½" thick, attached with (6) 18-8 Stainless Steel bolts. Re-used to attach the permanent cover)
- L-868A & B plywood covers are ¾" thick.
- L-868C plywood covers are 1 ¼" thick
- L-868 bases with mudplates, plywood will be ⅝" thick,
- L-868 covers are attached with (6) Non-Stainless Steel bolts.
- All Class 1A Bases and Extensions have a thin polyethylene gasket between the plywood cover and the galvanized surface to eliminate bonding between the mating surfaces
- Non-standard diameters and thicknesses can be ordered, however a special set-up charge will apply

Installations

- Flange or Spacer rings are shipped with (6) proper length 18-8 Stainless Steel bolts and (6) two piece locking devices
- If installation design does not require flange or spacer ring
(6) 1¼" lg. 18-8 Stainless Steel bolts and (6) two piece locking devices are supplied. This information must be stated at time of order entry for the bolts to ship with the bases (packaged separately from base)