

## 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](http://Jaquith.com)

Also available for download at the FAA website: FAA Advisory Circular AC150/5345-30H 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)

## General Notes

### Grounding / Counterpoise

- Bases which require grounding or a counterpoise connection need to be ordered with a ground strap. Standard Ground Straps are internal and external. The straps are welded near the middle of the base, 90° to the 0° - 180° conduit openings.
- Non-standard locations are available upon request
- To attach a copper cable, a copper ground clamp must be attached to the ground strap. This lug is part no. AWS0919 see page I-08h (rev0).
- AWS0919 copper clamps are bulk packaged.
- Installations requiring the exothermic welding of a copper conductor to the base must be ordered with a Stainless Steel ground rod to preserve the integrity of the galvanized coating. See page K-05h (rev0)
- Other equipment that requires grounding, such as steel covers or base plates must be special ordered. See page K-04h (rev0)

### Drain Opening

#### Types:

- 1.) **Hole** - an opening in the bottom – available in any size
- 2.) **Coupling** - threaded coupling welded to the bottom – available in various sizes larger than ½"
- 3.) **Flex Connex** - grommet connection in bottom – sizes available: ¾", 1", 1½", 2", 3", 4", larger grommets can be punched out to fit custom applications

#### Locations

- Standard drain openings are centered in the bottom.
- Offset or multiple drain openings must be special ordered with dimension specified.

### Anti-rotational Hooks

- (6) hooks (3/16" x 6" long x 3/8" high) equally spaced 60° and welded to the bottom
- Bases requiring anti-rotational hooks must be special ordered

### Anti-rotational Fins

- Fins (7GA - ¾" x 3") are welded to the base, typical vertical location is at the middle of base with 3 fins equally spaced 120° apart or 4 fins equally spaced 90° apart.
- Bases requiring anti-rotational fins must be special ordered
- Non-typical locations must be specified when ordered

### Standard Heights

L-867 & L-868 bases - The FAA has standardized 24" as the depth of all bases. Due to the field conditions, bases can be any height required. This clause allows bases to be any height. Jaquith Industries Inc. tested 36" high bases for their FAA certification / approval.

### Extensions and Top Sections

L-867 extensions and L-868 top sections and extensions are priced to 8" tall and are made in 1/16" increments. Pricing for taller units will be subject to a "per inch" adder.

### Customer Marks

For a fee, extensions and top sections can be marked with the customer's identification marks. This allows for expedited sorting when the product arrives at the job site.

## General Notes

### Ordering Light Bases

Due to the many variations offered on bases, an Ordering Template will assist with choosing the correct part number. The ordering template covers a majority of the options offered, yet, it does not cover every possibility. If an option is not listed, an "X" is used in the slot. In your description, the "X" must be defined before an order can begin manufacturing.

### Stock Light Bases

Jaquith Industries stocks L-867B&D and L-868B&C bases @ 24" tall with either 2" hubs or 2" Flex Connex grommets with internal and external ground straps. A 3/4" drain (with plug) in the bottom, is included.

Jaquith Industries stocks L868B top sections (AF2419F) and L868B extensions (AE2419X) from 2 1/4" to 6" in 1/4" increments.

Jaquith Industries also has a limited selection of L867B extensions in stock, contact our sales department for availability.

### Nomenclature

#### -L867 Non-Load Bearing

Class 1A – Light Bases, Adjustable Height Light Bases & Extensions

-Material: Hot Dip Galvanized Steel

-Sizes\*: B, D, E

Class 1B - Light Bases, Adjustable Height Light Bases & Extensions

-Material: 304 Stainless Steel or Class 1A with VEGA KOTE (a proprietary coating)

-Sizes\*: B, D, E

#### -L868 Load Bearing

Class 1A – Single & Multiple Section\*\* Light Bases & Extensions

-Material: Hot Dip Galvanized Steel

-Sizes\*: A, B, C

Class 1B - Single & Multiple Section\*\* Light Bases & Extensions

-Material: 304 Stainless Steel or Class 1A with VEGA KOTE (a proprietary coating)

-Sizes\*: A, B, C

\*SIZES: A = 8"DIA, B = 12"DIA, C = 15"DIA, D = 16"DIA, E = 24"DIA

\*\*MULTIPLE SECTIONS CONSISTS OF: BOTTOM, MIDDLE & TOP