

ILM

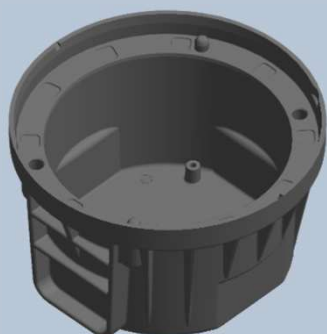
Inset Light Mounting

APPLICATIONS

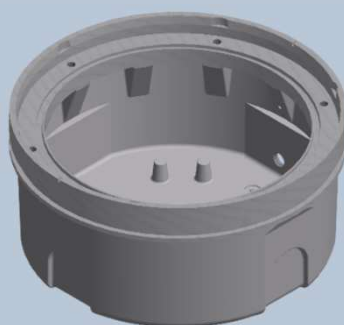
There are two main methods for inset lights installation:

- **Shallow Bases:** the isolating transformer and the primary circuit connectors are typically placed in a pit on the edge of the runway/taxiway and the light is powered by means of secondary cable reaching the base.
- **Deep Bases:** the isolating transformer and the primary circuit connectors are typically placed within the same base housing the inset light. Therefore these bases are used as underground junction boxes.

SHALLOW BASE



Shallow base 8" dia.



Shallow base 12" dia.

COMPLIANCES

IEC 61827
FAA AC 150/5340-30
FAA AC 150/5345-42

The shallow base consists of a treated aluminum casting with a hole in the bottom suitable for conduit connection. As an alternative, shallow bases are equipped with one or two cable leads with receptacle inside the base through one or two cable glands.

The base is equipped with an internal grounding screw with yellow-green cable lead, size 2.5 mm², 0.250 m long, with female faston terminal for quick connection to the corresponding of the fixture. An additional external grounding screw is provided close to the cable entry.

The shallow base is designed for cementing in place by means of epoxy-resin in a hole drilled in the pavement. A gasket (separately supplied) must be placed between base and fixture for water tightness placed in the relevant shallow base groove (only for 12" dia.).

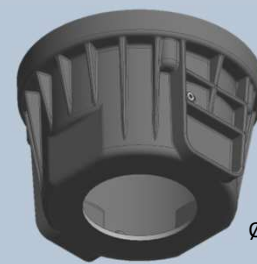
Hardware for fixing, screw and washer, are in stainless steel.
On request, customized version are available.

SHALLOW BASE STANDARD CODES

One Input
Code: **PABAR0006***



Two Inputs
Code: **PABAR0005***



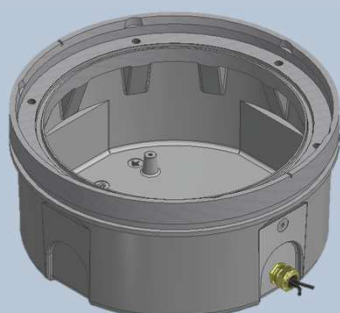
Ø 100 mm hole for
bottom ducts
Code:
PABAR0003**

*Provided with:

- L-823 two-pole socket, style 7
- Gland for cable lead side entry
- Internal ground cable
- M10 type screws + lock washer for light fastening

**Provided with:

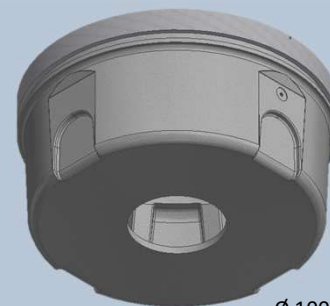
- Internal ground cable
- M10 type screws + lock washer for light fastening

Shallow base 8"

One Input
Code: **152.8110***



Two Inputs
Code: **153.1110***



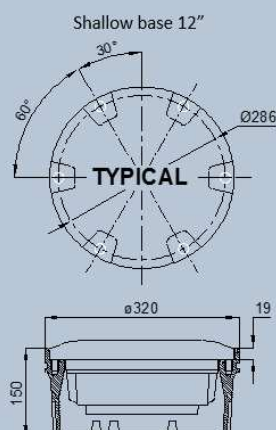
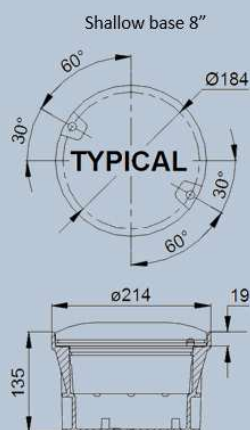
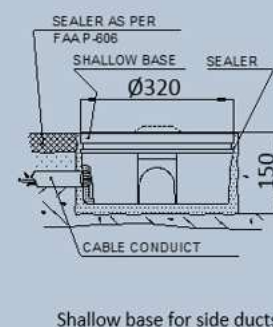
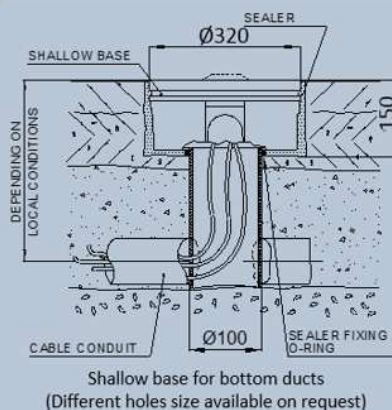
Ø 100 mm hole for
bottom ducts
Code:
PABAJ0002**

*Provided with:

- L-823 two-pole socket, style 7
- Gland for cable lead side entry
- Internal ground cable
- M10 type screws + lock washer for light fastening
- O-ring gasket

**Provided with:

- Internal ground cable
- M10 type screws + lock washer for light fastening
- O-ring gasket

Shallow base 12"**DIMENSIONS****TYPICAL INSTALLATIONS**

L-868 DEEP BASE

Type L-868 is used as a mounting base for in-pavement airport light fixtures, as a housing for series circuit transformers, and as an electrical junction box. It is particularly designed to withstand large aircraft and other heavy vehicles. The design allows the installation of any in-pavement fixture.

Deep bases can be formed by multiple sections, with partially customizable height.

Location, number, and size of conduit entrances can be customized.

COMPLIANCES

FAA AC 150/5345-42
FAA AC 150/5340-30
FAA AC 150/5345-46

EXAMPLES OF L-868B 12" CONFIGURATIONS WITH CODES

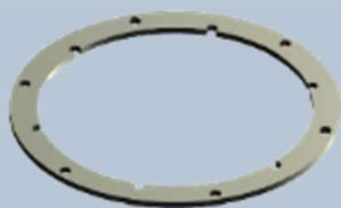
Examples of configurations with inset light



ACCESSORIES

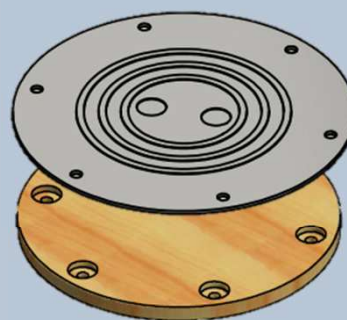
Different thicknesses are available.
Here are the standard codes:

CODE	THICKNESS T [mm]
CMAOF0002	1.5
CMAOF0003	3
CMAOF0004	6
CMAOF0005	10
CMAOF0006	12
CMAOF0007	19



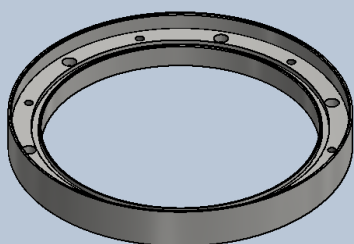
SPACER RING 12"

Shown with double bolt L-868/L-867 pattern

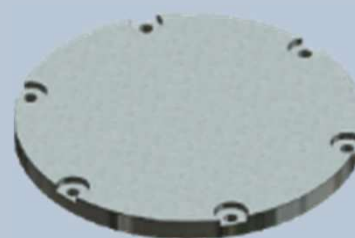


Code: **DMCHW0003**

PLYWOOD COVER 12" with mud plate



Code: **CMAOF0001**

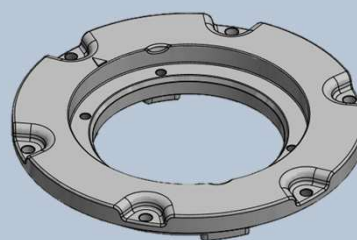
FLANGE RING 12" L-868B
with Pavement Dam

Code:
152.5280 (8")
152.5281 (12")

BLANK COVER PLATE 8" or 12" (Al)

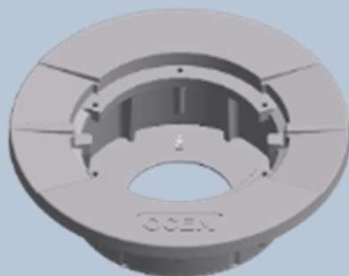


Code: **153.4020**

FLUSH ADAPTOR RING 8" dia. to 12" dia.
(for protrusion 1/4")

Code:
152.6116 (ICAO)
GMMMNO076 (FAA)

ADAPTOR RING 8" dia. to 12" dia.



Code: **153.3015**

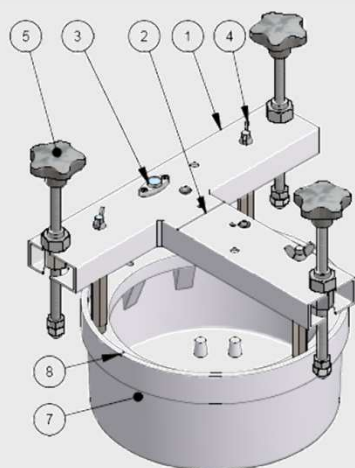
The base works with the fully level lights,
required for contact zone signaling.
The installed lights provide a light distribution
substantially comparable to that produced by
the corresponding semi-level lights.

FLUSH BASE 12" dia.
(for protrusion 1/4")

INSTALLATION TOOL**POSITIONING JIG**

For 8" and 12" shallow bases installation, a positioning jig is available. It is constituted by an aluminum frame, completed with lobe knob for jig levelling, screws and spacers for jig mounting and circular level.

For a precise alignment of the light fixture, an additional optical device is available, designed to be mounted on the positioning jig.

POSITIONING JIG for 8" and 12" shallow bases (without optical device) cod. 332.4301

1. Positioning jig
2. Jig notch (to align with the mark on the pavement)
3. Circular level
4. Screws and spacers for the jig mounting (on the base)
5. Lobe knob for positioning jig levelling (on the asphalt/concrete)
6. 8" shallow base
7. 12" shallow base
8. Shallow base notches aligned with the notch on the jig

Example: positioning jig for the installation of shallow base 12" dia.

OPTICAL DEVICE FOR POSITIONING JIG cod. 332.4351 for 8" and 12" shallow bases

Example: positioning jig with optical device for the installation of shallow base 12" dia.

We reserve the right to change the design or specification data without notice

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