



Mounting Instructions BA-525-6

6 "Diameter and 5 ¼" Bolt circle base can

Pavement Installation

1. Proper drainage is critical for longevity of the fixture since water intrusion can destroy the electronics inside the fixture. The fixture is weatherproof and some water is expected to enter the base can, but provisions must be made to drain the water. Figure 1 outlines the suggested installation for proper drainage:

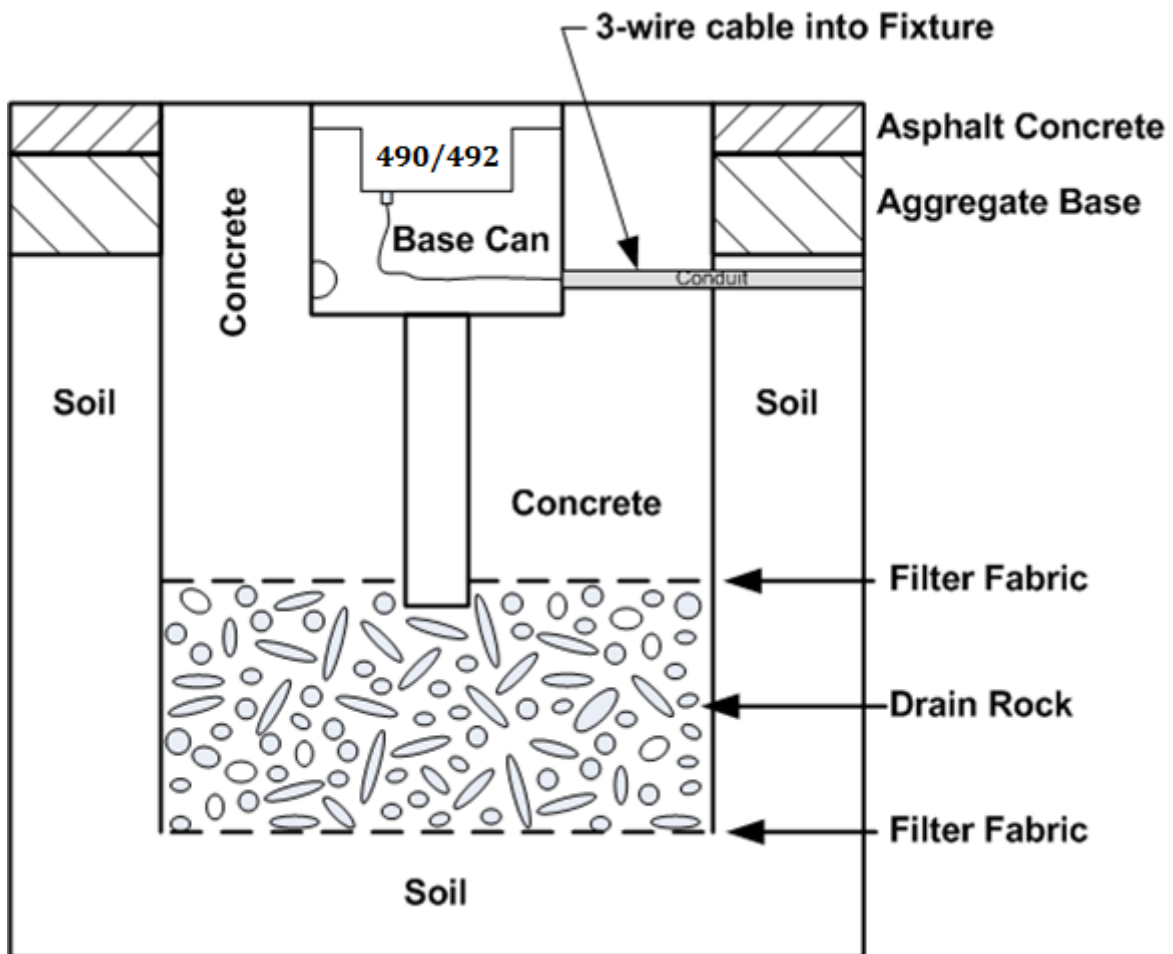


Figure 1



- I. The drain rock should be encased in a filter fabric material to avoid soil infiltration
- II. The recommended depth of drain rock unit varies dependent upon the type of existing soils.
- III. Where existing soils are granular and permeable the depth of the drain rock unit can be limited to 1 foot.
- IV. Where existing soils are fine graded and have low permeability the depth of the drain rock unit should be increased to 3 feet or greater to provide a reservoir for short term retention.

One possible layout for the light fixtures (showing below in green) and the recommended Junction Boxes (shown below in orange, but not included with the base cans) is shown in Figure 2. The base cans only provide mechanical support for the light fixtures. The base cans don't provide a water proof installation for the wire connections. It is recommended to use a Junction Box for the electrical connection and place it on a small slab of concrete to insulate them from the soil and align them with the conduit level.

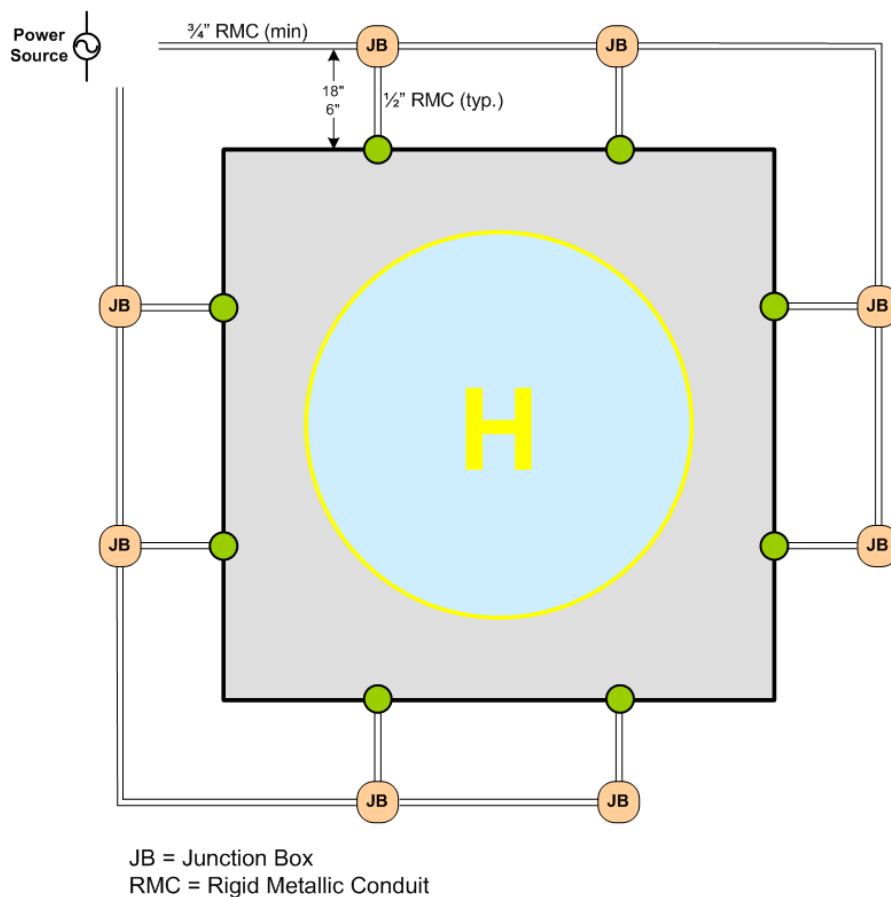


Figure 2



Helideck Installation

1. For surface mounting, cut a 4.75" diameter hole in the helideck. Place the HL-492 fixture in the hole and secure with four ¼ -20 stainless steel flathead screws.
2. For mounting under a deck, use an adapter ring or pieces of uni-strut.
3. The incoming cable from the helideck should connect to a weatherproof junction box (not included with the light). All luminaire electronic parts are inside a weatherproof enclosure. A water immersion test is performed on all HL-492 light fixtures to ensure moisture sealing before shipping.

