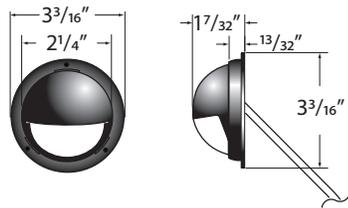


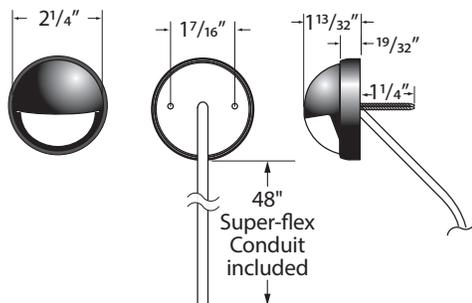
## Pole Mounted



## Surface Mounted



## Rear Mounted



**Please verify the contents of the packages!**

**Please read instructions entirely before starting installation**

**Be sure power is turned off before installing or modifying the system**

**Call Tivoli, LLC tech support with questions**

**Caution:** Beacon™ Seat Light is designed to work with listed Class 2 12V DC transformers only. Use of any other power source will cause damage, shorten the life of the fixture and will void the warranty.

**Consult** any and all applicable local and national codes for installation.

**Do not** conceal or extend exposed conductors through a building wall as per local electrical code.

**Warning:** With any luminaire for any application, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries. This lighting system should be installed by a lighting professional.



## Installation Instructions

### Overview

The Beacon Outdoor Guide Light is permanently sealed at the factory for secure weather and vandal-proof installations. Opening the fixture will void the warranty. The unit may be ordered from the factory in Rear Mount or Surface Mount configurations. There is also an accessory bracket available for pole-mounted installation. Refer to the Specification Sheet for more information.

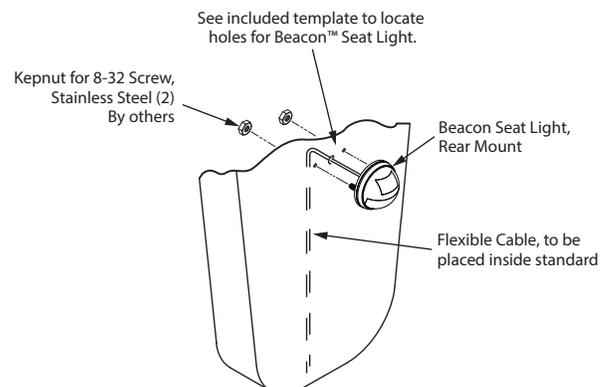
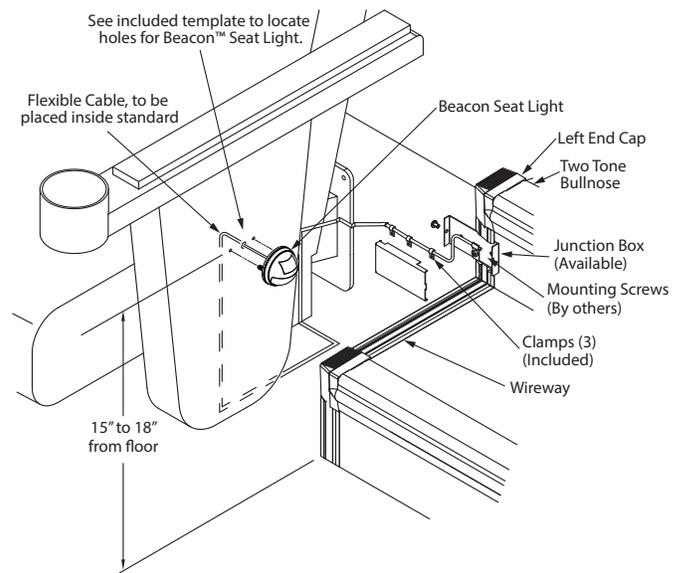
### Rear Mounted Beacon Installation

**Step 1:** Measure and mark seat standard 15 to 18 inches up from floor for location of holes to be drilled. Locate the correct Template for your installation. Select either rear mount or surface mount template and use it to locate and drill hole positions.

**Step 2:** Feed flexible cable through center hole to inside of seat frame and secure at bottom of frame with clamps (3) provided.

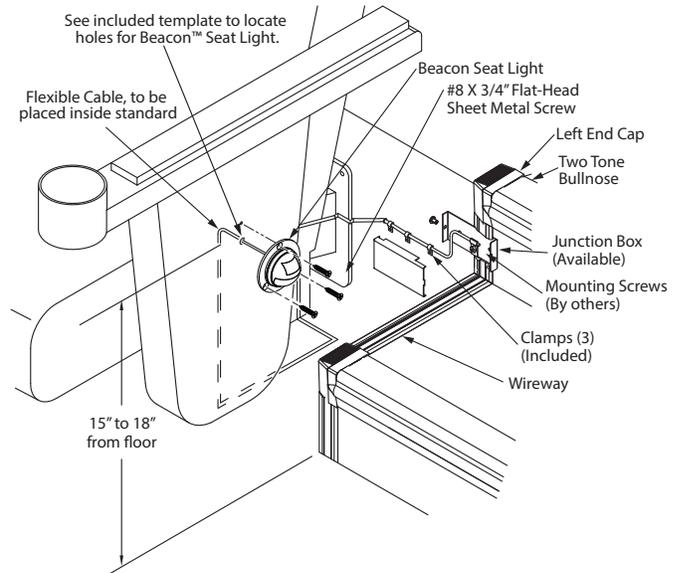
**Step 3:** Insert the exposed screws protruding from the back of the Beacon through the two holes in the seat standard drilled in the previous step. Secure with two 8-32 Stainless Steel Keptnuts (provided with fixture).

**Step 4:** Make wire connections at junction box (available separately). See Junction Box Instructions on Page 2.

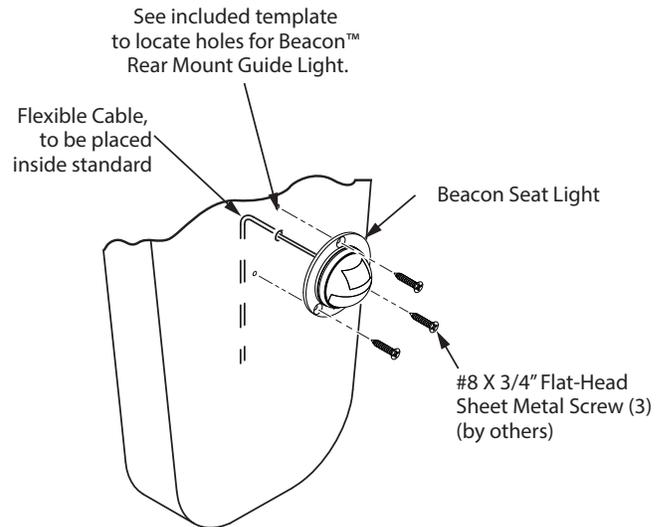


## Surface Mounted Beacon Installation

**Step 1:** Measure and mark seat standard 15 to 18 inches from floor for location of holes to be drilled. Locate the correct Template for your installation. Find the surface mount template and use it to locate and drill hole positions.



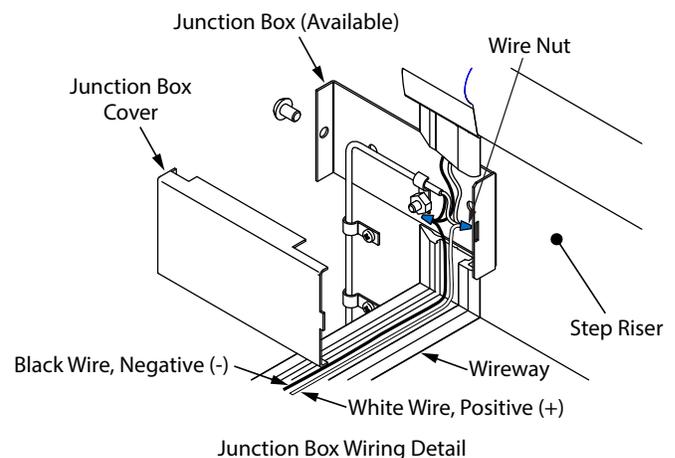
**Step 2:** Feed flexible cable through center hole to inside of seat frame and secure at bottom of frame with clamps (3) provided.  
**Step 3:** Secure Beacon™ with three #8 Flat Head Sheet Metal Screws (by others)



## Riser Mounted Junction Box Installation

**Step 1:** The junction box (available separately) must align with the wireway and be mounted on the vertical rise of the step so that the cutout of the junction box lines up with the wireway, see detail. Junction Box may be ordered separately. (Mounting screws by others.)

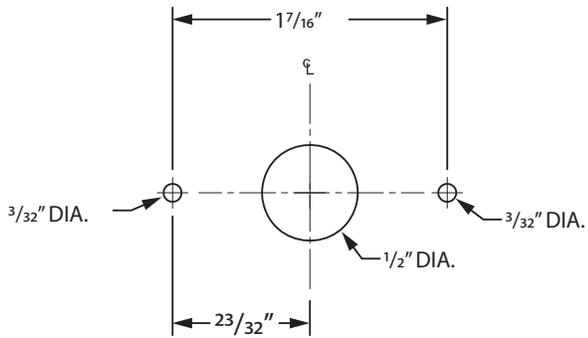
**Step 2:** Connect Beacon™ cable to wireway cable to power, making sure the White Wire is connected to the positive (+) wire and the Black Wire is connected to the Negative (-) wire.





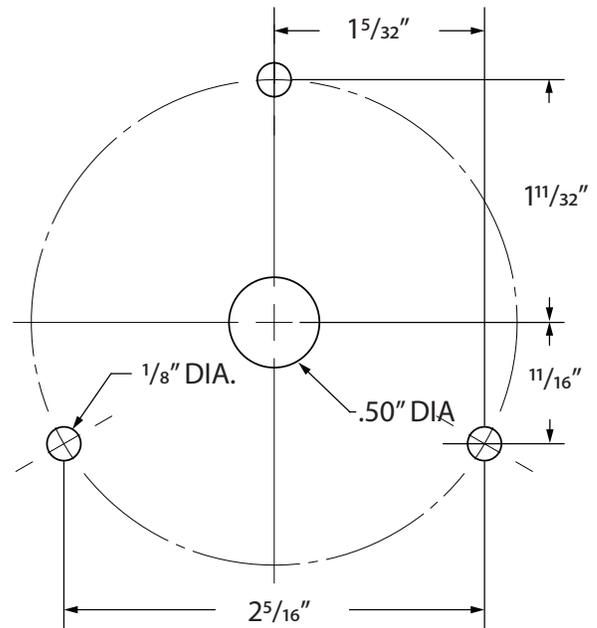
## Mounting Templates

### Rear Mount Template



Template for mounting  
Beacon to Seat  
(Caution! May not print at correct scale)

### Surface Mount Template



Template for Surface Mount  
Beacon to Seat  
(Caution! May not print at correct scale)

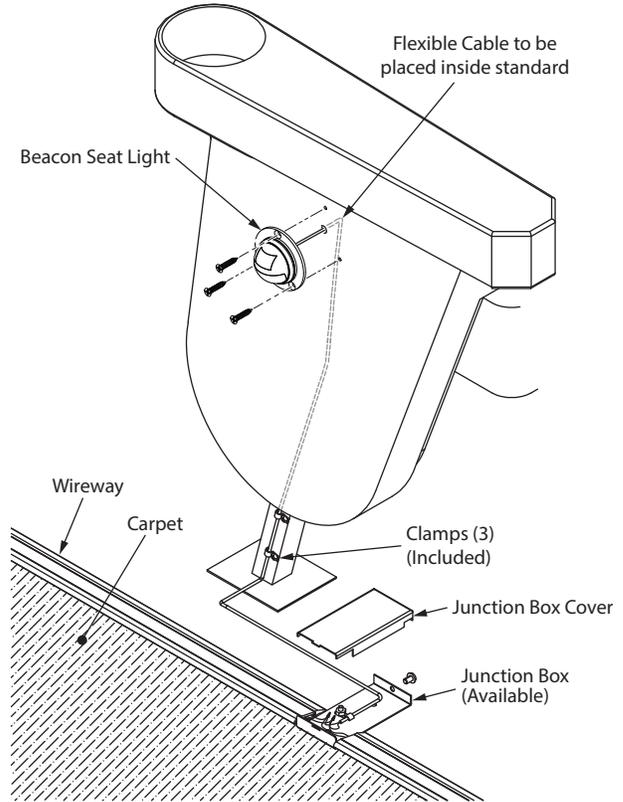
## Installation with Surface Mount Junction Box on Floor

**Step 1:** Install Beacon™ on seat standard according to previous instructions for rear mount or surface mount versions.

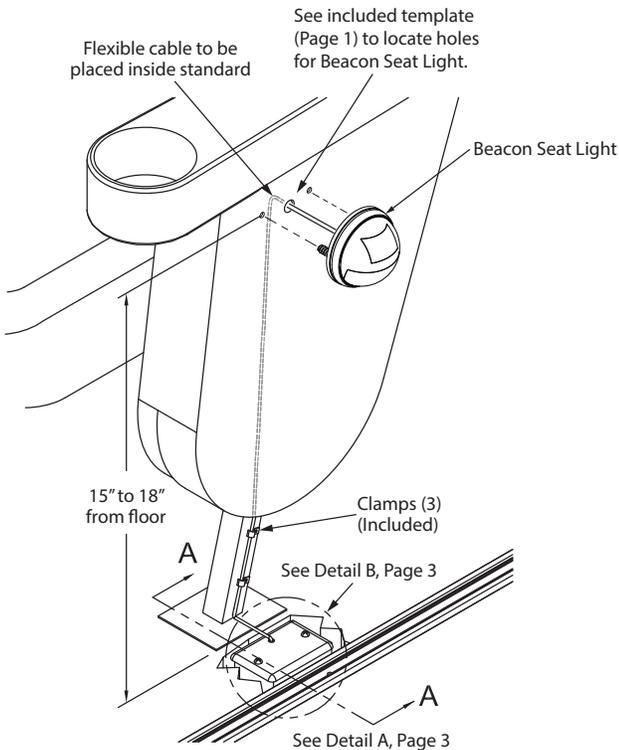
**Step 2:** Feed flexible cable through center hole to inside of seat frame and secure with clamps (3) provided.

**Step 3:** The junction box (available separately) must align with the wireway and be mounted on the bare finished floor so that the cutout of the junction box lines up with the wireway (See detail). Mounting screws by others.

**Step 4:** Connect fixture cable to wireway cable to power, making sure the White Wire is connected to the positive (+) wire and the Black Wire is connected to the Negative (-) wire.



## Installation with Junction Box Recessed in Floor



**Step 1:** The junction box and flex conduit (by others), should be placed before concrete is poured (See Detail A, Page 4).

**Step 2:** Install Beacon™ on seat standard according to previous instructions for rear mount or surface mount versions.

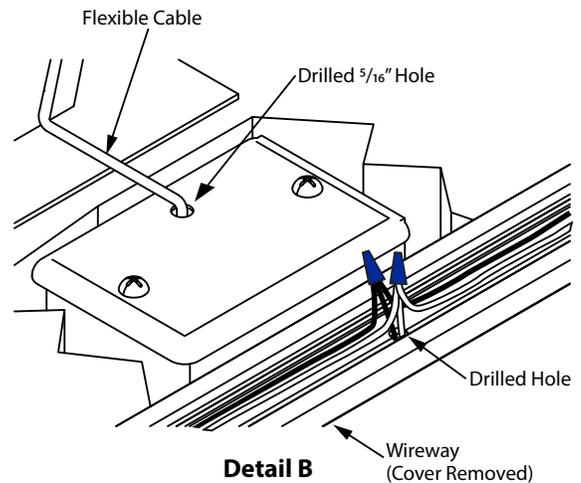
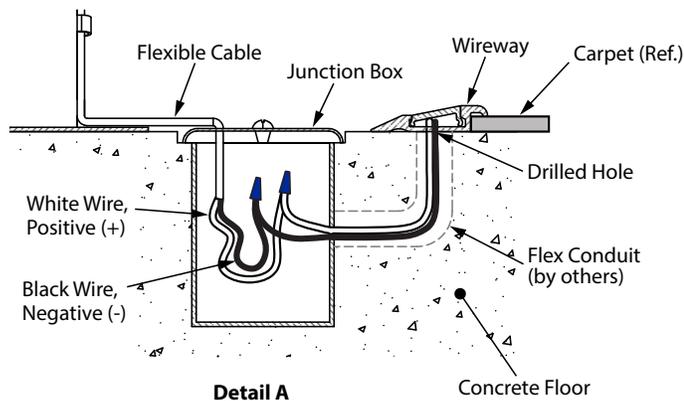
**Step 3:** Feed flexible cable through center hole to inside of seat frame and secure with clamps (3) provided.

## Installation with Junction Box Recessed in Floor (Continued)

**Step 4:** Drill a  $\frac{5}{16}$ " diameter hole into the junction box lid. Feed flexible cable through hole, as shown.

**Step 5:** Drill a  $\frac{5}{16}$ " diameter hole into wireway extrusion. Be sure hole is aligned with flex conduit (Step 1).

**Step 6:** Feed wires along wireway and through hole and flex conduit to the junction box and make wire connections using wire nuts. Make sure the White Wire from the fixture is connected to the Positive wire and the Black Wire is connected to the Negative Wire.



## Wire Size Selection

In order to operate a Class 2 lighting system properly, it is important to select wires with the right gauge to minimize significant voltage drop. The following charts provide a reference for determining the wire size according to the maximum connection wire length from power supply to lighting fixtures.

12V DC Class 2 Lighting System	
Wire Gauge	Max. Connection Wire Length (FT)
18	90
16	95
14	100
12	105

Product Specification Guide		
Beacon Outdoor	Watts per Beacon	Max Beacons per 5A Circuit
Beacon Without Row Indicator	.48	100
Beacon With Row Indicator	.72	78