Installing a Vive Hub Inside a Protective Dome Enclosure

In some applications it is desirable for a Vive hub to be installed inside a protective enclosure. Mounting inside an enclosure may be required in a Chicago Plenum ceiling and may be desired in applications that require tamper resistance such as schools and high security areas. The following application note describes installing the Vive hub inside a 23.75 in x 23.75 in (603 mm x 603 mm) suspended ceiling enclosure with an exposed ABS hemisphere protruding below the ceiling plane. This installation method provides a clean installation with a protected and locked enclosure while maintaining the full Lutron Vive system performance. The Lutron Vive hub with surface-mount adapter (HJS-XX-SM) is attached to a 1.5 in to 2.25 in (38 mm to 57 mm) deep junction box centered within an Oberon 1052-Dome ceiling enclosure.

**Manufacturer:** Oberon

**Model number:** 1052-DOME for generic Plenum installation  
1052-DOME-CCEA for Chicago Plenum installation

**Step 1:** Mount a 1.5 in to 2.25 in (38 mm to 57 mm) deep square junction box centered inside the enclosure.
Step 2: Mount the Vive hub surface-mount adapter and hub to the junction box following the Vive hub installation instructions. The resulting mounting should resemble the assembly shown below.

Step 3: Mount the Oberon kit following all 1052-DOME installation instructions and secure the cover using provided lock and key.