

# CB2-A Ceiling Box

## 78039 Installation Guide

### Included in this Product Package:



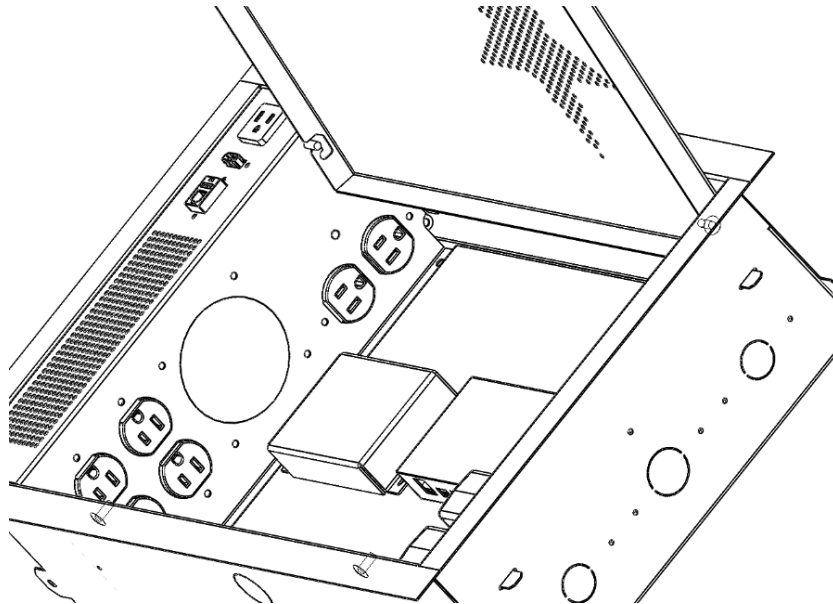
CB2-A Ceiling  
Box



Suspension  
Cable Set (2)

### Step 1: Remove Lid and Filler Plate

- Unlatch and swing the lid up. You may need a wire hook to pull the lid up, or just tilt the box.
- Push the lid in towards the bottom and away from the metal hinges.
- Angle the lid so that you can pull it away from the metal hinge.
- Carefully remove the lid from the ceiling box.
- Slide the filler plate towards the center of the ceiling box.
- Supporting both sides of the filler plate, pull directly away from the ceiling box.



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## 78039 Installation Guide

### **Step 2: Select Appropriate Installation Location**

It is important to mount the TEK CB2-A close enough to the projector for the cables to reach, but not so close that you cannot fully open the ceiling box lid. The area above the ceiling box will need to be opened in order to install the supporting cables. Remove the ceiling tile and place it in a safe area.

### **Step 3: Cable Support Installation Options**

Installing ceiling boxes without proper cable support is dangerous and can harm or kill someone. If you don't feel comfortable installing these cables, we suggest that you contact a professional who can do it for you.

#### ***Ceiling Truss***

Most installations will use a ceiling truss and require little effort. Simply loop the end of the braided cable around the truss and pull it tight through the eye of the cable. Do the same for the other 3 cables.

#### ***Wood Studded Ceiling***

When installing with a wood studded ceiling, use four 1/4" x 3" eye lag screws. (*Note: These are not supplied with the ceiling box*). Drill a 1/8" hole into the stud and secure the screw into the wood. Place the end of the braided cable through the eye of the lag and pull it tight through the eye of the cable. Do the same for the other 3 cables.

#### ***Concrete Ceiling***

For concrete ceiling installations, use four M6 Eye bolts. (*Note: These are not supplied with the ceiling box*). Using a 1/8" masonry drill bit, drill a hole into the concrete and secure the screw into the concrete by tapping it into place and tighten it down. Place the end of the braided cable through the eye of the lag and pull it tight through the eye of the cable. Do the same for the other three cables.

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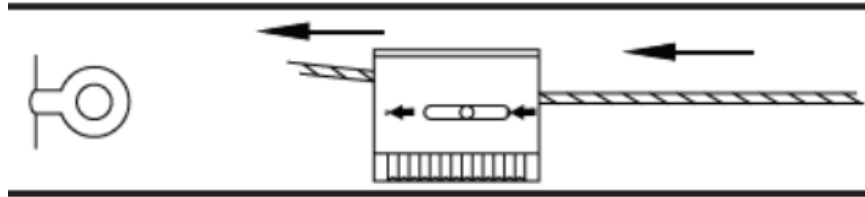
## 78039 Installation Guide

### Step 4: Installing A Kwik-Loc Cable Joinder

Kwik-Loc Cable Joiners are used to mount the CB2-A into the ceiling.

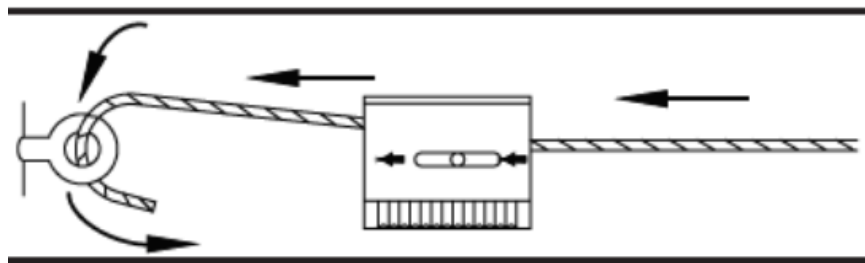
#### Step 4.1

First pass the end of the wire rope around the anchor point. This could be any of the above mentioned ceiling supports.



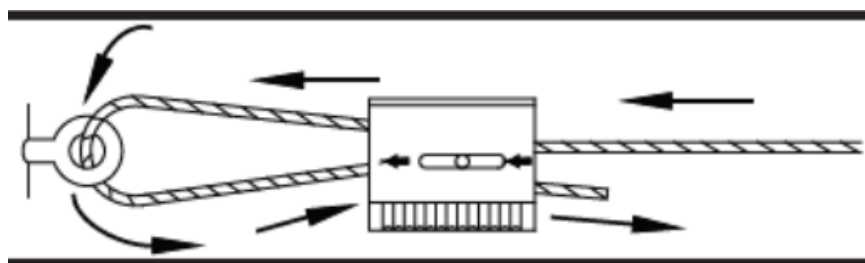
#### Step 4.2

Pass the end of the wire rope through the cable loop and pull the end tight around the anchor point.



#### Step 4.3

Pull the adjustment pin back on the Kwik-Loc and pass the end of the wire rope through the cable input opening.

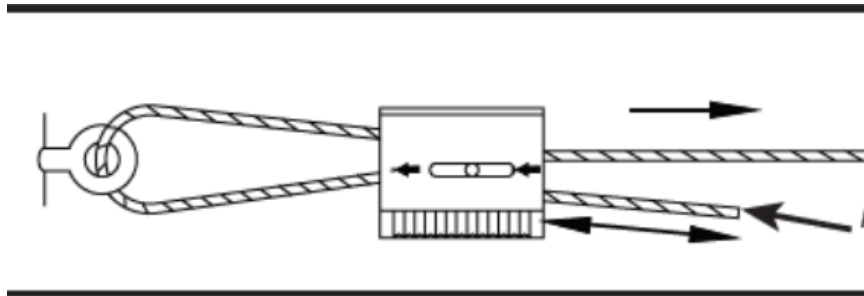


# CB2-A Ceiling Box

## 78039 Installation Guide

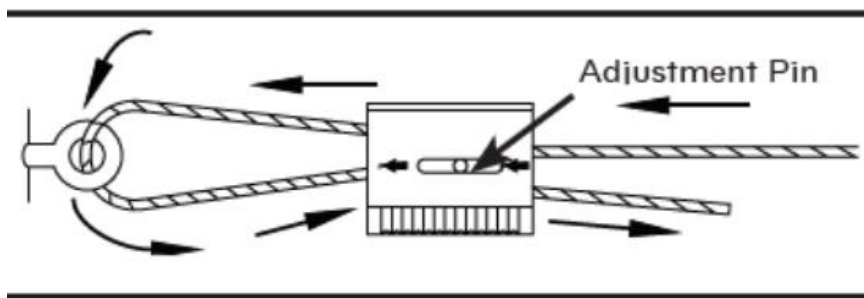
### Step 4.4

Place the ceiling box into the ceiling grid frame. Make certain that the direction of the ceiling box is correct before continuing.



### Step 4.5

Pull the end of the wire rope through the mounting hole on the ceiling box and loop it back through the Kwik-Loc cable outlet. Adjust the tightness of the cable so that it is not pulling the box up from the ceiling. Once completed, cut off the excess cable.



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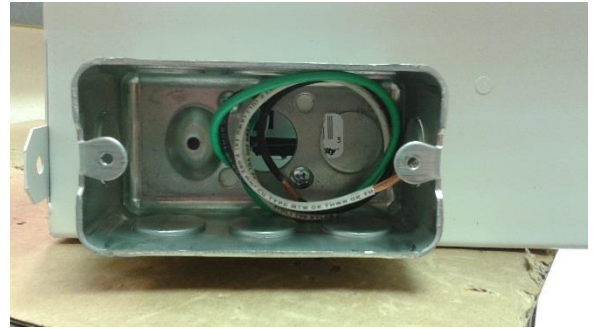
## 78039 Installation Guide

### Step 5: Electrical

On the main electrical side of the ceiling box is a junction box which contains the main power leads for the ceiling box. This junction box makes it easy to supply main power (120 volts at 60 Hz 15 amp only) to the ceiling box. The wires are 14 gauge stranded.

#### Wire color guide:

- Black (Line Hot)
- White (Neutral)
- Green (Building Ground)



### Step 6: Equipment Tray Installation

For ease of equipment installation, two removable equipment trays comes attached to the inside base of the ceiling box. The main equipment tray can be easily removed by loosening the two screws in the middle of either side of the tray, sliding the tray, then lifting it out. The lower tray can be removed by removing the four screws in the corners of the tray. Additional mounting screws are packaged separately within the ceiling box. Installers may pre-wire the equipment tray prior to the CB2-A ceiling box installation.

The current equipment mounting holes allow for placement of TEKVOX equipment. Other equipment can easily be installed by drilling a 1/8" hole and using the supplied mounting screws. Thread-Forming Screws, Pan Head Phillips, 8-18 Threaded, 1/4" Length. Do not over tighten the mounting screws.



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### Technical Specifications

#### AGENCY APPROVALS



4008930

#### PLENUM RATED:

Conforms to UL 2043: UL Standard for Safety Fire Test for Heat and Visible Smoke Release for Discrete Products and Accessories Installed in Air-Handling Spaces

#### SAFETY RATED:

Conforms to UL 2416: Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems

Model Number	78039
Size	24" x 24" x 6"
Weight	28 lbs
Gross Weight	70 lbs
Shipping Weight	35 lbs
Main Line Power	120V 60 Hz maximum 15 Amps