

Installation Instructions

Suspended Ceiling Adaptor

WARNING: If the ceiling structure could not support 5 times the weight of mount and the projector, please reinforce the ceiling prior to the installation.

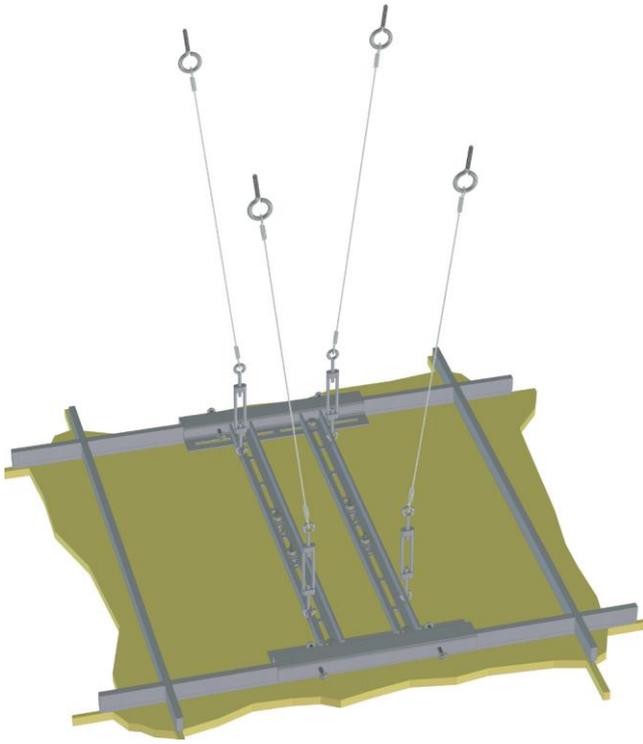


Figure 1: Overview

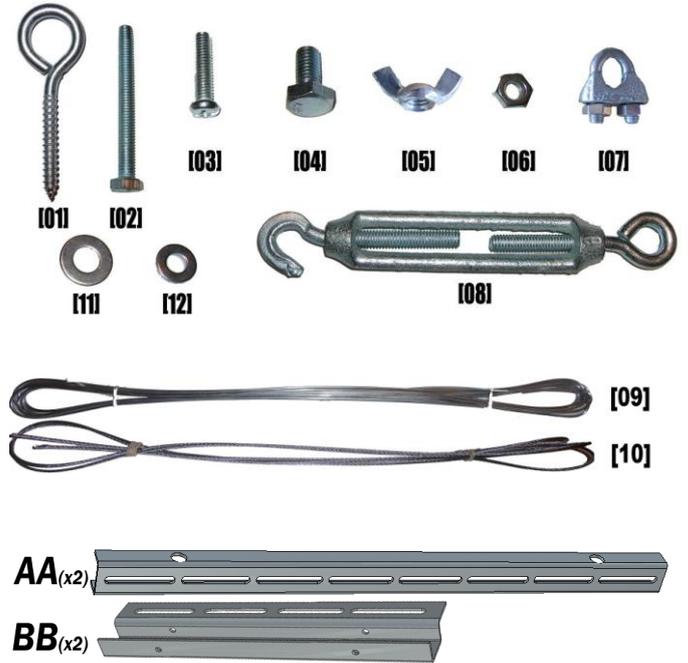


Figure 2: Hardware list

Parts List

| Part # | Name | Quantity |
|-----------|-------------------------|----------|
| Part [01] | Eye shape Lag Screw | 4 |
| Part [02] | M6 Bolt, length 60mm | 4 |
| Part [03] | M6 Screw, length 25mm | 8 |
| Part [04] | M8 Bolt, length 15mm | 4 |
| Part [05] | Wing Nut, M8 | 4 |
| Part [06] | M6 Nut | 12 |
| Part [07] | Cable Clamp | 2 |
| Part [08] | Turnbuckle | 4 |
| Part [09] | Steel Wire | 20ft |
| Part [10] | Safety Cable (flexible) | 10ft |
| Part [11] | M8 Washer | 4 |
| Part [12] | M6 Washer | 16 |

Table 1: Hardware pack list

Step 1

Get the ceiling mount (Projector Mount or TV ceiling mount) top plate; find two rows of holes (rectangle); measure the distance between the two rows of holes, denoted by (d1), see Figure 3 and Figure 4. The distance d1 will be used to adjust the width of the adaptor (SCA) at Step 2.

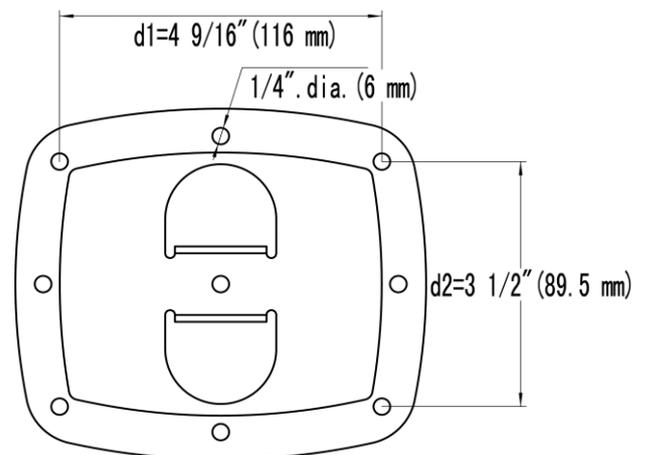


Figure 3: PMS projector mount ceiling plate hole-pattern

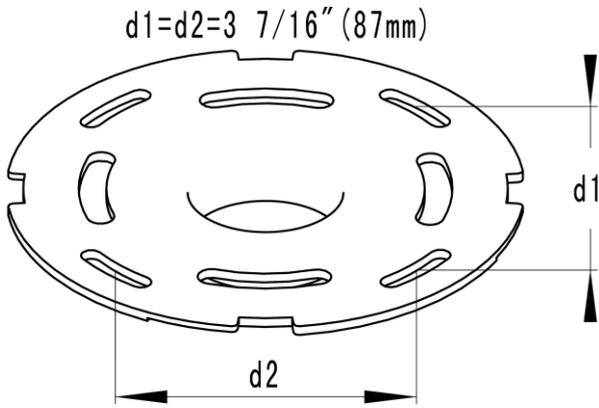


Figure 4: NPL projector mount ceiling plate hole-pattern

Shown above are two types of projector mounts offered by us, PMS series or NPL (LFM) series Projector Mount.. You can also use this suspended ceiling adaptor with any other ceiling mount products designed for projectors, TVs or other applications, from other manufacturer.

Step 2:

Assemble the suspended ceiling adaptor, make sure the distance between two long arm (Part-AA) is the same as the distance between two rows of holes on the projector mount, d1 as measured in above Step 1.

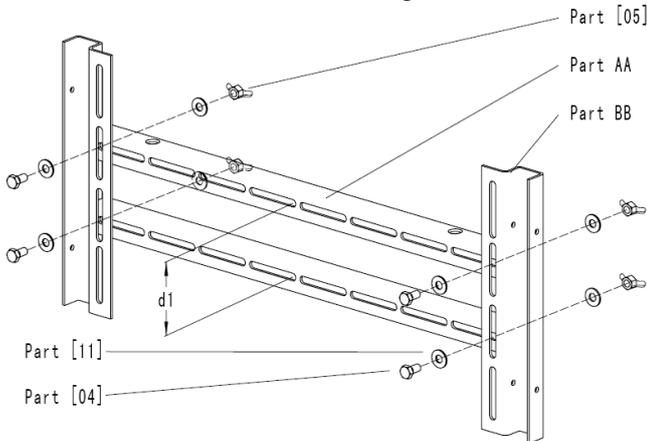


Figure 5: Assemble suspended ceiling adaptor

Step 3:

Drill four M6 (or 1/4") holes at the false ceiling tile. Secure the ceiling mount top plate with the ceiling title using Part-[02],[06],[12]. We denote this Part-[06] as Part-[06]-1 since we are using Part-[06] in three different times during the installation. Also see Figure-7.

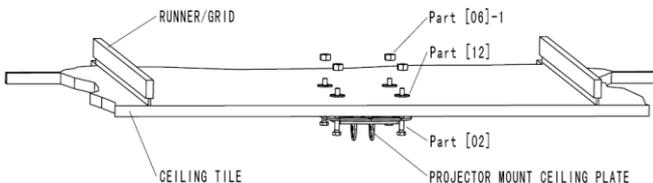


Figure 6: Install the ceiling plate

Step 4:

Place one more set of nut and washer (Part-[06], [12]) onto each long bolt (Part [02]). Denote this Part-[06]-1 as Part [06]-2

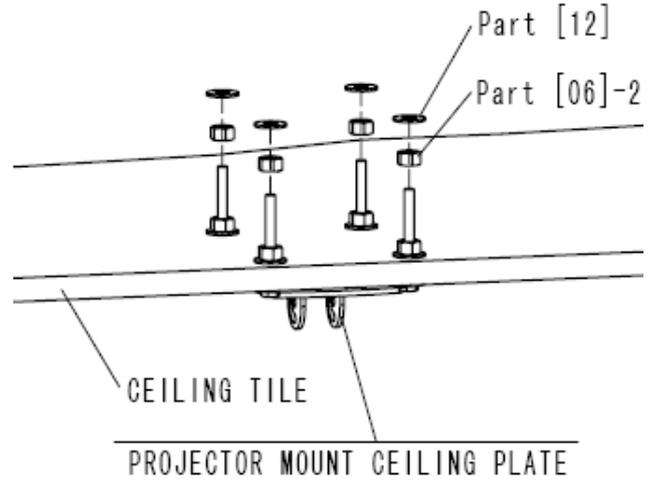


Figure 7: Add one more set of nuts and washers.

Step 5:

Place the assembled suspended ceiling adaptor on the runners, make sure the Part [02]'s go through the slots on Part-AA. Then put another set of washer and nut (Part-[06]-3, [12]), tighten.

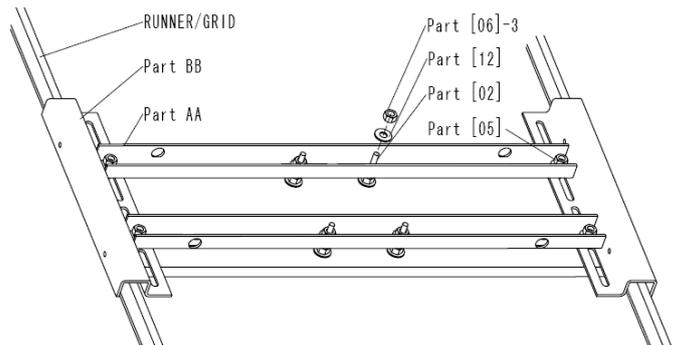


Figure 8: Put on the suspended ceiling adaptor.

Then tighten the Part-[06]-2 from last step.

This secures Projector Mount with the suspended ceiling adaptor. The ceiling plate will be fixed underneath the suspended ceiling adaptor.

Step 6:

Use eight screws (Part-[03]) to secure the suspended ceiling adaptor on the runners/grids.

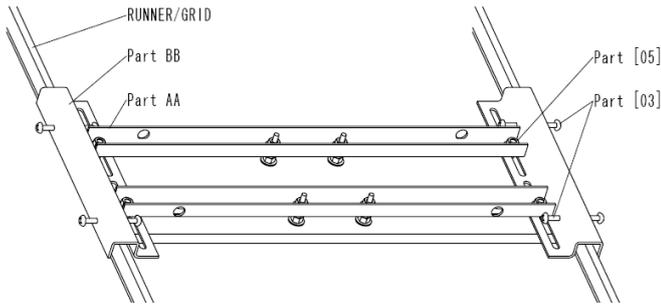


Figure 9: Fix the adaptor on the grids.

Step 7:

Set the turnbuckle (Part-[08]) at its largest length. Install the eye screw on the wood structure. If installation on the concrete or steel is necessary, please get separate solid wall anchor. Or the wire (Part-[09]) could be directly used on beam, truss or pipe.

Note: Make sure the wire (Part-[09]), the turnbuckle (Part-[08]), the Eye Bolt (Part [01]) transfer most of the weight of the suspended ceiling adaptor to the actual ceiling instead of the false ceiling runners.

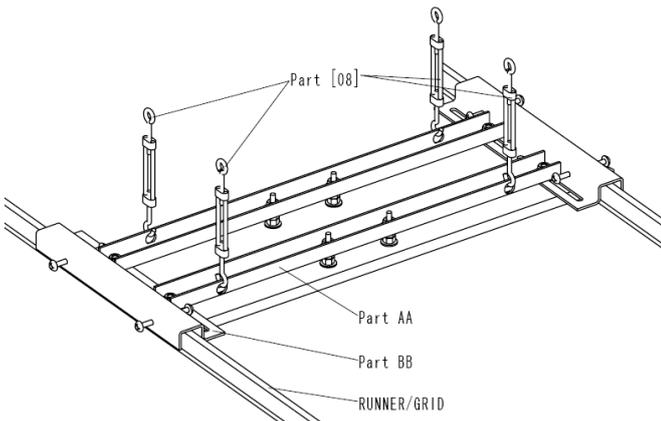


Figure 10: Hang the adaptor, using Steel wire.

Step 8:

Attach the Safety Cable (Part-[10]) to the beam or truss; Lock it with the cable clamps (Part-[07]). Leave the Safety Cable slightly loose, it is used to hold the whole installation in case the wire failed.

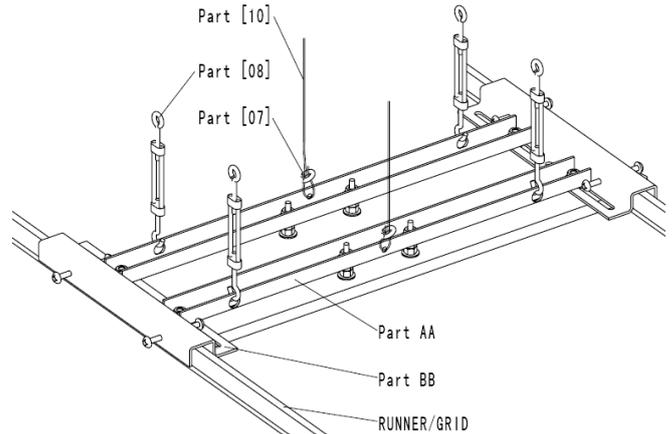


Figure 11: Attach Safety Cable

Step 9:

Continue the steps for install the projector mount or other ceiling mount. And finally attach projector or TV.



Figure 12: Continue to install the projector