SAFETY INSTRUCTIONS

1. Follow the instructions in this manual when installing the projector with this bracket. Improper or inadequate installation could cause the projector to fall and injure someone.
2. Make sure the projector is installed securely so that the bracket can bear the weight of all attached devices, and also withstand any vibration.
3. Use only the parts provided with the rack, and any parts (commercially available) that are specified in this manual.
4. Do not modify the bracket or the parts provided with the bracket.
5. Do not use damaged parts. If any parts become damaged, contact your dealer.
6. All bolts and screws must be tightened securely.
7. Make sure not to block any ventilation openings when installing the projector.
8. Do not install the projector in a location that is subject to high levels of dust or humidity.
9. Do not install the projector in a location that is exposed to direct sunlight or in a location that is subject to extreme fluctuations in temperature (such as near an air conditioner).
10. Clean only with a dry cloth.
11. Special techniques and experience are required when installing the projector with this bracket. It is recommended that you contact your dealer to install the projector.
12. Once the projector is installed, safety checks should be performed on a regular basis.

TABLE OF CONTENTS

Packing Parts List.................................................................2
Projector Installation and Throw Distance Chart.................................3
Installing a Projector with The Ceiling Bracket..................................4
Adjusting the Ceiling Bracket..........................................................7
Specifications and Diagrams ..........................................................9
PACKING PARTS LIST

| ✓ CEILING ADAPTER | ✓ U-PLATE | ✓ TUBE |
| ✓ PIPE | ✓ PIPE-BASE | ✓ H – ADJUST ADAPTER |
| ✓ PROJECTOR ADAPTER | ✓ V – ADJUST BOLT | ✓ NUT x 7 |
| ✓ WASHER x 1 | ✓ M4 SCREW x 10 | ✓ BOLT x 6 (TUBE BOLT x 2, L – ADJUST BOLT x 2, PIPE BOLT x 2) |

Names of Parts

[Diagram of ceiling mount parts]

- U-PLATE
- CEILING ADAPTER
- TUBE
- PIPE
- PIPE-BASE
- H-ADJUST ADAPTER
- V-ADJUST BOLT
- WASHER x 1
- M4 SCREW x 10
- BOLT x 6 (TUBE BOLT x 2, L-ADJUST BOLT x 2, PIPE BOLT x 2)
# PROJECTOR INSTALLATION AND THROW DISTANCE CHART

## Throw Distance Chart

4:3 Aspect Ratio Screen

<table>
<thead>
<tr>
<th>Diagonal (in)</th>
<th>Screen Width (cm)</th>
<th>Screen Height (cm)</th>
<th>Min Throw Distance (cm)</th>
<th>Max Throw Distance (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>61</td>
<td>46</td>
<td>99</td>
<td>120</td>
</tr>
<tr>
<td>40</td>
<td>81</td>
<td>61</td>
<td>131</td>
<td>160</td>
</tr>
<tr>
<td>50</td>
<td>102</td>
<td>76</td>
<td>164</td>
<td>200</td>
</tr>
<tr>
<td>60</td>
<td>122</td>
<td>91</td>
<td>197</td>
<td>241</td>
</tr>
<tr>
<td>70</td>
<td>142</td>
<td>106</td>
<td>230</td>
<td>281</td>
</tr>
<tr>
<td>80</td>
<td>162</td>
<td>122</td>
<td>263</td>
<td>321</td>
</tr>
<tr>
<td>90</td>
<td>183</td>
<td>137</td>
<td>296</td>
<td>361</td>
</tr>
<tr>
<td>100</td>
<td>203</td>
<td>152</td>
<td>328</td>
<td>401</td>
</tr>
<tr>
<td>125</td>
<td>254</td>
<td>190</td>
<td>411</td>
<td>501</td>
</tr>
<tr>
<td>150</td>
<td>305</td>
<td>228</td>
<td>493</td>
<td>601</td>
</tr>
<tr>
<td>175</td>
<td>355</td>
<td>266</td>
<td>575</td>
<td>702</td>
</tr>
<tr>
<td>200</td>
<td>406</td>
<td>304</td>
<td>657</td>
<td>802</td>
</tr>
<tr>
<td>225</td>
<td>457</td>
<td>342</td>
<td>739</td>
<td>902</td>
</tr>
<tr>
<td>250</td>
<td>508</td>
<td>380</td>
<td>821</td>
<td>1002</td>
</tr>
<tr>
<td>275</td>
<td>558</td>
<td>418</td>
<td>903</td>
<td>1103</td>
</tr>
<tr>
<td>300</td>
<td>609</td>
<td>456</td>
<td>1000</td>
<td>1203</td>
</tr>
</tbody>
</table>

### Ceiling

![Ceiling Diagram]

### Floor

![Floor Diagram]
INSTALLING A PROJECTOR WITH THE CEILING BRACKET

Overview

- Diagram of completed installation
- Ceiling Mount Device

Installation Procedure

**STEP A**  
Insert the U-PLATE into the CEILING ADAPTER, and tighten two M4 screws (from the bottom) into the screw holes. Then attach the top part to the ceiling.
**STEP B** Join the TUBE and the U-PLATE with two TUBE BOLT sets (bolt and nut).

**STEP C** Install the PIPE and the TUBE with two L-ADJUST BOLT sets (bolt & nut).

**STEP D** Install the base-assembly.

**STEP D1** Attach the PIPE-BASE to the H-ADJUST ADAPTER with two M4 screws.

**STEP D2** Put together the V-ADJUST ADAPTER and the PROJECTOR ADAPTER with one V-ADJUST BOLT set (bolt, washer and nut). Then tighten the M4 screws on both sides.
**STEP E** Join the BASS-ASSEMBLY and the PROJECTOR set with four M4 screws.

**STEP F** Join the BASE-ASSEMBLY and the ceiling mount device with two PIPE BOLT sets (bolt and nut).
Two people are required for the completion of this step.

*Installation finished.*
ADJUSTING THE CEILING BRACKET

Height Adjustment

1. Make sure to remove the projector first.
2. Loosen the nuts securing to the two L-ADJUST BOLTS.
3. Remove the L-ADJUST BOLTS from the PIPE.
4. Adjust to the correct position for the height of the screen. The height can be adjusted to 225mm or any value in a range between 555mm and 765mm in increments of 30 mm.
5. Insert the L-ADJUST BOLT back into the PIPE, and then re-attach the nuts previously removed.
Horizontal Angle Adjustment
1. Loosen the two sets of screws connecting the PIPE-BASE and the H-ADJUST ADAPTER.
2. Adjust the horizontal angle so that it is correct for the orientation of the screen.
3. Re-tighten the two sets of screws connecting the PIPE-BASE and the H-ADJUST ADAPTER.
4. The swivel angle can be set within a range of negative to positive 30 degrees.

Vertical Angle Adjustment
1. Loosen the two sets of screws connecting the H-ADJUST ADAPTER and the PROJECTOR ADAPTER.
2. Adjust the vertical angle to the correct one for the orientation of the screen.
3. Re-tighten the 2 sets of screws connecting the H-ADJUST ADAPTER and the PROJECTOR ADAPTER.
4. The tilt angle can be adjusted in a range between –5 and +15 degrees.
## SPECIFICATIONS AND DIAGRAMS

### Specifications

<table>
<thead>
<tr>
<th>Adjustment Range</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>225mm, 555mm, 585mm, 615mm, 645mm, 675mm, 705mm, 735mm and 765mm.</td>
</tr>
<tr>
<td>Horizontal angle</td>
<td>-30 to +30 degrees</td>
</tr>
<tr>
<td>Vertical angle</td>
<td>-5 to +15 degrees</td>
</tr>
<tr>
<td>Weight</td>
<td>3.2 kg</td>
</tr>
<tr>
<td>Loading</td>
<td>3.5 kg</td>
</tr>
</tbody>
</table>

### Diagrams

- **Left View**
- **Front view**
- **Right view**