

Installation and Setup Guide
020-100632-05

Christie Rack Mount Pedestal

CHRISTIE®

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If printing this document, consider printing only the pages you need and select the double-sided option.

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Learn the hazard and information symbols used in the product documentation.



Danger messages indicate a hazardous situation which, if not avoided, results in death or serious injury.



Warning messages indicate a hazardous situation which, if not avoided, could result in death or serious injury.



Caution messages indicate a hazardous situation which, if not avoided, could result in minor or moderate injury.



Notice messages indicate a hazardous situation which, if not avoided, may result in equipment or property damage.



Information messages provide additional information, emphasize or provide a useful tip.

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Introduction

The Christie Rack Mount Pedestal is designed to hold any Christie Solaria Series or DLP Cinema projector. This guide provides instructions for installing and adjusting the Christie Rack Mount Pedestal.

Affected products

The following products are affected:

- CP2220
- CP2230
- CP2415-RGB
- CP2415-Xe
- CP2420-RGB
- CP2420-Xe
- CP4220
- CP4230
- CP4420-Xe
- Solaria One
- Solaria One+
- CP2309-RGB
- CP2315-RGB
- CP2320-RGB
- CP4315-RGB
- CP4320-RGB
- CP4330-RGB
- CP4415-RGB Gen1
- CP4415-RGB Gen2
- CP4420-RGB Gen1
- CP4420-RGB Gen2
- CP4425-RGB
- CP4430-RGB
- CP4435-RGB

Key features

Understand the important features of the pedestal.

- Adjustable height of 109.3 to 139.2 cm (43 to 55 inches)
- Casters
- Projector foot locks
- Panel locks
- 30 RU of space for rack accessories (12 RU with a lamp power supply)
- Convenient cable routing and access

What is in the box?

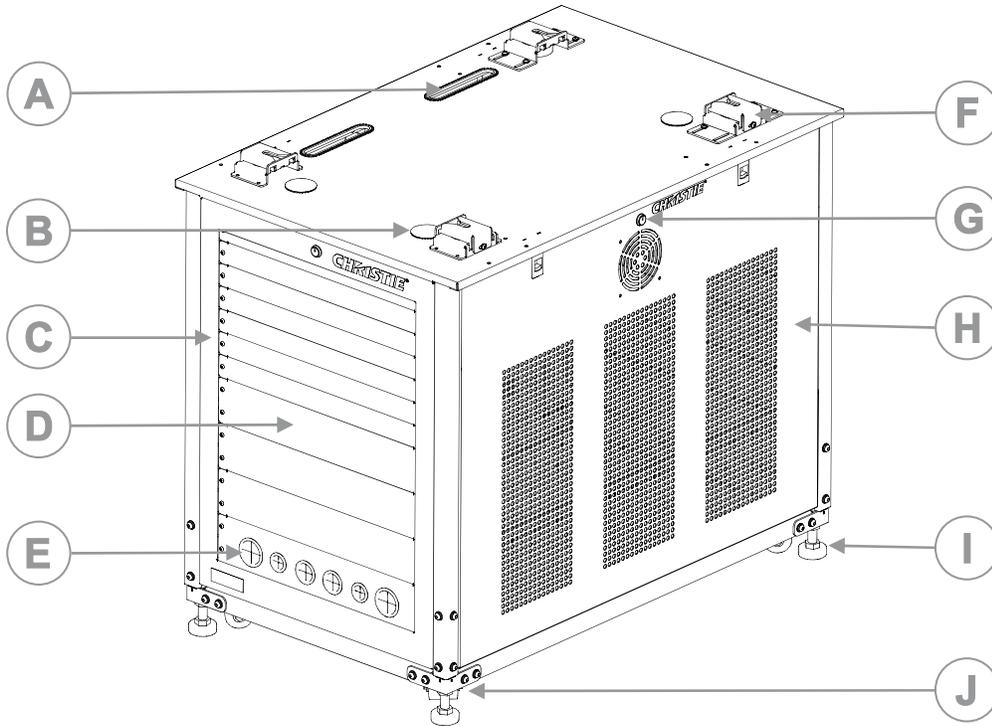
The following components are shipped for the Christie Rack Mount Pedestal (P/N: 108-416102-XX). Verify you have all these items before installing the pedestal.

- 1 Christie Rack Mount Pedestal body
- 4 foot brackets
- 4 foot locks
- 2 vertical supports

- 4 feet
- 4 casters
- 1 bag of hardware

Pedestal components

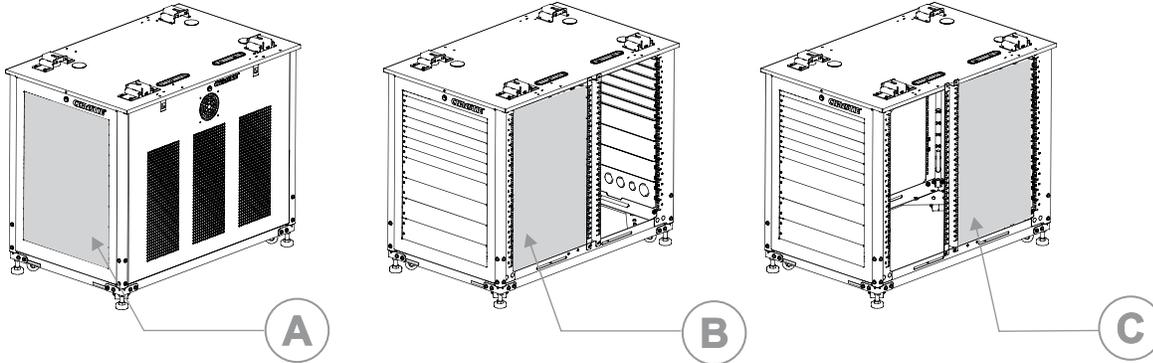
Identify the main components of the pedestal.



ID	Component
A	Wire access slot (1 of 2)
B	Wire access plug (1 of 3)
C	Security rail (1 of 2)
D	Space panel (1 of 10)
E	Rubber grommets (1 of 6)
F	Projector foot bracket and projector foot locks (1 of 4)
G	Key lock (1 of 4)
H	Side panel (1 of 2)
I	Leveling foot (1 of 4)
J	Caster (1 of 4)

Pedestal component mounting options

Identify the Christie Rack Mount Pedestal component mounting options.



ID	Mounting option
A	Back mounting
B	Front-side mounting
C	Back-side mounting

Technical support

Technical support for Christie Cinema products is available at:

- Support.cinema@christiedigital.com
- +1-877-334-4267
- Christie Professional Services: +1-800-550-3061 or NOC@christiedigital.com

Installation and setup

Learn how to install and position the Christie Rack Mount Pedestal.
Complete the procedures in the order they are provided.

Installing the pedestal feet and casters

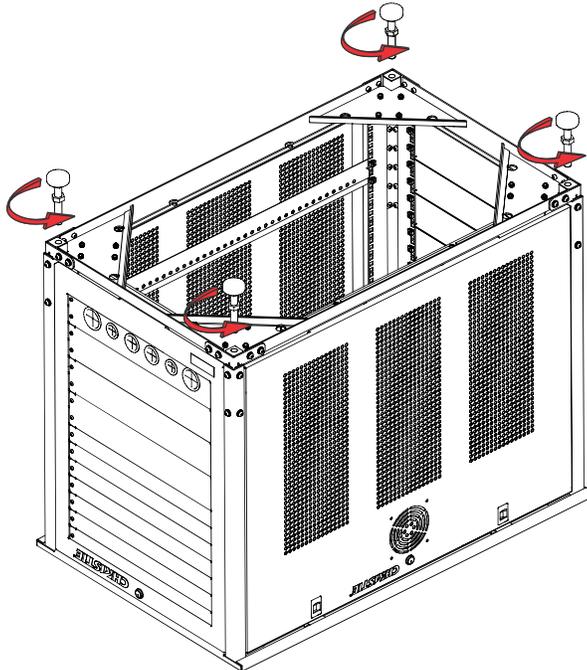
As a first step, install the pedestal feet and casters.



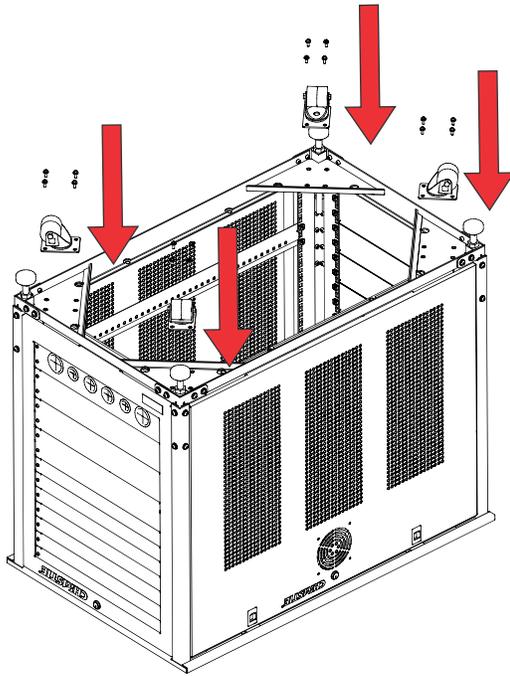
Warning! If not avoided, the following could result in death or serious injury.

- Two or more people are required to safely lift and install the Christie product.

1. Position the pedestal upside down.
2. Pre-assemble the leveling feet:
 - a) Thread one M16 lock nut onto each of the four leveling feet.
 - b) Adjust the space between the lock nut and the head of the leveling foot until it is approximately 6 cm (2.5 inches).



3. Thread one leveling foot into each of the four corners of the pedestal.
4. Optionally, attach one caster to each of the four corners of the pedestal using four screws for each caster.



Adjusting the pedestal height

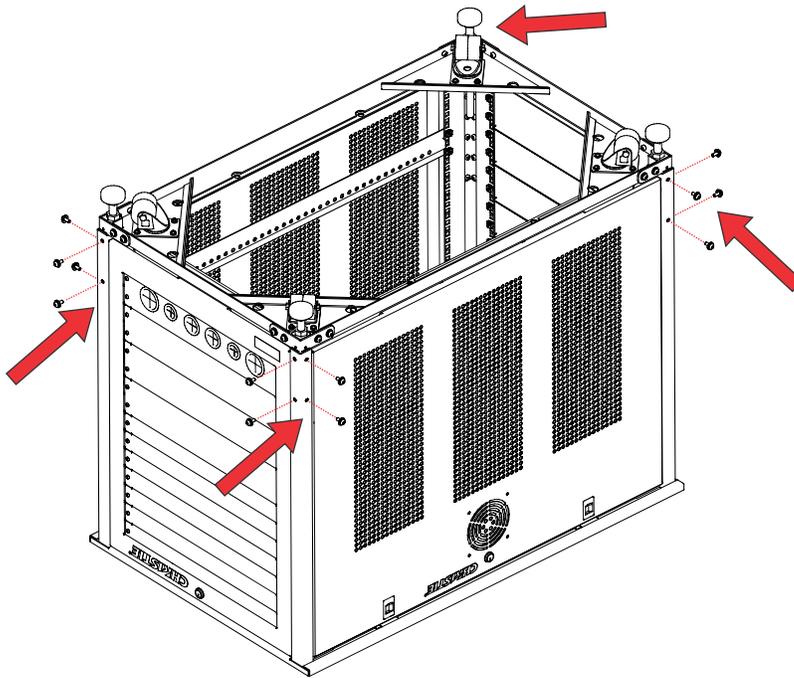
Adjust the pedestal height, so when in use the center of the projector lens points to the center or above the center of the port window.



Warning! If not avoided, the following could result in death or serious injury.

- Two or more people are required to safely lift and install the Christie product.

1. Remove the four screws from each of the four outside bottom corners of the pedestal.



2. Measure the distance from the center of the port window to the floor. This is the approximate height required to center the projector lens with the port window. Use the chart below to determine the required leg extension position for your projector.

Approximate height to center of projector lens	Leg extension position
CP2220, CP2230, CP2420-Xe, CP4220, CP4230, and CP4420-Xe	
111.5 to 116.4 cm (43.9 to 45.8 inches)	—
116.5 to 121.4 cm (45.9 to 47.7 inches)	1
121.5 to 126.4 cm (47.8 to 49.7 inches)	2
126.5 to 131.4 cm (49.8 to 51.7 inches)	3
131.5 to 136.5 cm (51.8 to 53.7 inches)	4
CP2210, CP2415-Xe, Solaria One, and Solaria One+	
112.6 to 117.5 cm (44.3 to 46.2 inches)	—
117.6 to 122.5 cm (46.3 to 48.1 inches)	1
122.6 to 127.5 cm (48.2 to 50.1 inches)	2
127.6 to 132.5 cm (50.2 to 52.1 inches)	3
132.6 to 137.6 cm (52.2 to 54.1 inches)	4
CP2309-RGB, CP2315-RGB, CP2320-RGB, CP2415-RGB, and CP2420-RGB	
106.6 to 111.5 cm (41.9 to 44.3 inches)	—
111.6 to 116.5 cm (44.4 to 46.8 inches)	1
116.6 to 121.5 cm (46.9 to 49.3 inches)	2

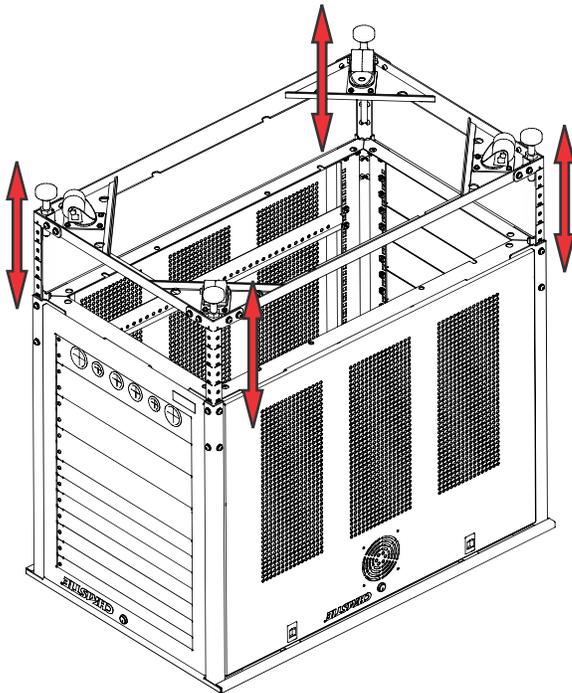
Approximate height to center of projector lens	Leg extension position
121.6 to 126.5 cm (49.4 to 51.8 inches)	3
126.6 to 131.5 cm (51.9 to 54.3 inches)	4
CP43xx-RGB and CP44xx-RGB	
115.4 to 120.3 cm (45.4 to 47.8 inches)	—
120.4 to 125.3 cm (47.9 to 50.3 inches)	1
125.4 to 130.3 cm (50.4 to 52.8 inches)	2
130.4 to 135.3 cm (52.9 to 55.3 inches)	3
135.4 to 140.3 cm (55.4 to 57.8 inches)	4



- Height may vary due to the variations in the projector foot height.
- Caster removal subtracts 1.7 cm (0.7 inches) from the minimum heights.
- Pedestal feet provide an additional 5 cm (2.5 inches) of leveling adjustment.

For example, if the distance from the center of the port window to the floor is 125 cm (49.2 inches) for a CP4230, set the leg extension position to 2.

- Slide up the bottom frame (containing the pedestal feet) of the pedestal.



- Make sure all four corners of the pedestal are adjusted to the same leg extension position.
- To hold the extended frame in position, install the four screws into each of the four outside bottom corners of the pedestal.
- Turn the Christie Rack Mount Pedestal over so its feet or casters are on the floor.

Positioning the pedestal

Position the pedestal in the location where it will be used.

Place the pedestal in front of the port window so the front of the stand (the side with the rubber grommets) faces the port window.

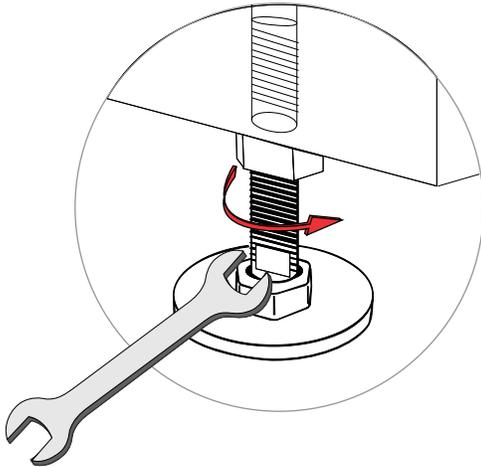
Leveling the pedestal

The Christie Rack Mount Pedestal feet provide a 5 cm (2.5 inches) range of leveling adjustment.



Warning! If not avoided, the following could result in death or serious injury.

- Do not use the leveling feet to tilt or angle the rack stand.
 - TIP HAZARD! Install each pedestal foot correctly by sufficiently screwing the leveling feet into the base of the pedestal to provide rack stability.
1. Loosen one lock nut on each of the four pedestal feet using a 24 mm (15/16 inch) wrench.



2. Place a leveling device on top of the pedestal.
3. Adjust the height of each pedestal foot until the leveling device indicates the pedestal is level. Turn the feet on the bottom of the pedestal clockwise or counter-clockwise 1/8th of a turn at a time to extend or retract them.
4. Tighten one lock nut on each of the four pedestal feet.
5. Secure the bracket to the floor.

The hardware to secure the bracket to the floor is not provided in the Christie Rack Mount Pedestal kit (P/N: 108-416102-XX). Contact Christie Technical Support to order the Anchor Bottom Pedestal Foot kit (P/N: 163-161109-XX).

Installing the foot brackets

Learn how to install the pedestal foot brackets.

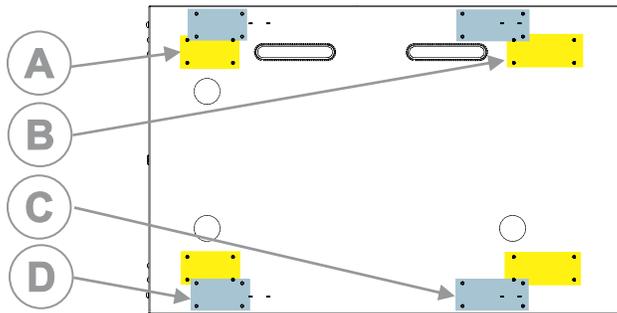


Warning! If not avoided, the following could result in death or serious injury.

- Two or more people are required to safely lift and install the Christie product.

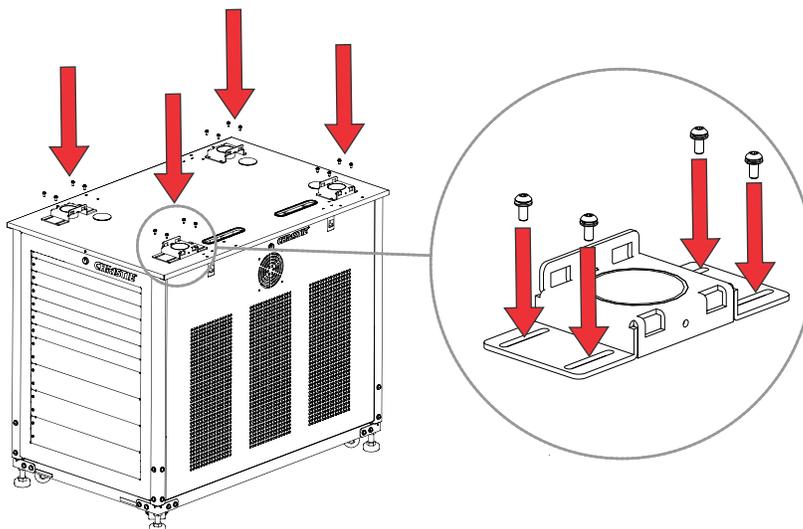
- Determine the bracket location for your projector model.
CP43xx-RGB and CP44xx-RGB models—Use the Rack Stand Adapter bracket (P/N: 163-101103-XX) and follow the product's instructions to use the brackets with the rack stand.
CP2415,-RGB, CP2420-RGB, and CP23xx-RGB models—Use the Rack Stand Adapter bracket (P/N: 163-111104-XX) and follow the product's instructions to the brackets with the rack stand.

CP22xx, CP42xx, CPxx-Xe, and Solaria One models



ID	Foot location	Model
A	Front	CP2220, CP2230, CP2420-Xe, CP4220, CP4230, and CP4420-Xe
B	Rear	CP2220, CP2230, CP2420-Xe, CP4220, CP4230, and CP4420-Xe
C	Rear	CP2210, CP2415-Xe, Solaria One, and Solaria One+
D	Front	CP2210, CP2415-Xe, Solaria One, and Solaria One+

- Align the foot brackets with the holes on the top of the pedestal. Position the brackets with the flat portion of the bracket facing in.



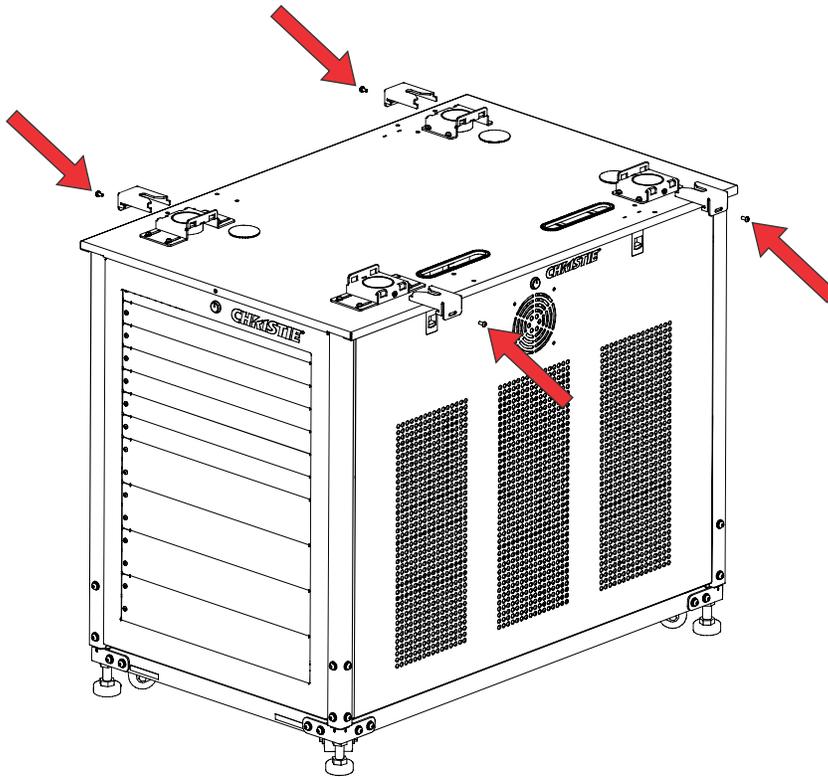
- Loosely install the four screws in each of the four foot brackets.
- With two or more people, place the projector on top of the Christie Rack Mount Pedestal. If required, adjust the foot bracket location to accommodate the projector.

5. Tighten the foot bracket screws.
6. Adjust the projector feet to obtain the required height and tilt of the projector.
See your projector manual for adjustment instructions.
7. Make sure enough space is provided between the projector and the foot brackets.
This space is required to install the projector foot bracket locks.

Installing the projector foot locks

The foot locks secure the projector feet into position.

1. Slide the projector foot lock over the projector foot bracket.



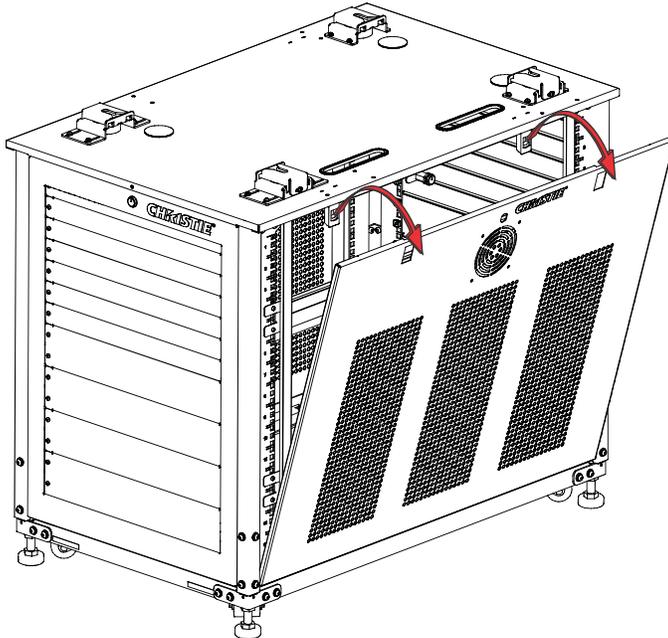
2. Install one screw in each of the four projector foot locks to secure them in position.

Configuring the rack for side-mounting

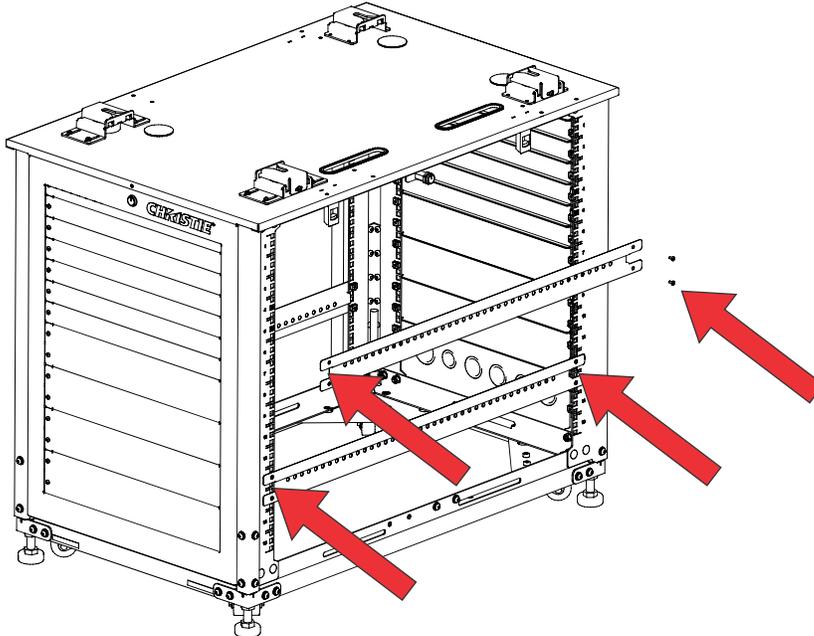
By default, the Christie Rack Mount Pedestal is configured for back-mounting of components. Complete this procedure if side-mounting of components is required.

1. Remove the side panel from each side of the rack.
 - a) Unlock the side panel.
 - b) Press down on the two panel latches and tip the panel away from the rack.
 - c) Lift the panel up and out from the rack and set aside.

d) For the second panel, repeat steps a to c.



2. Remove the two horizontal supports from each side of the rack.



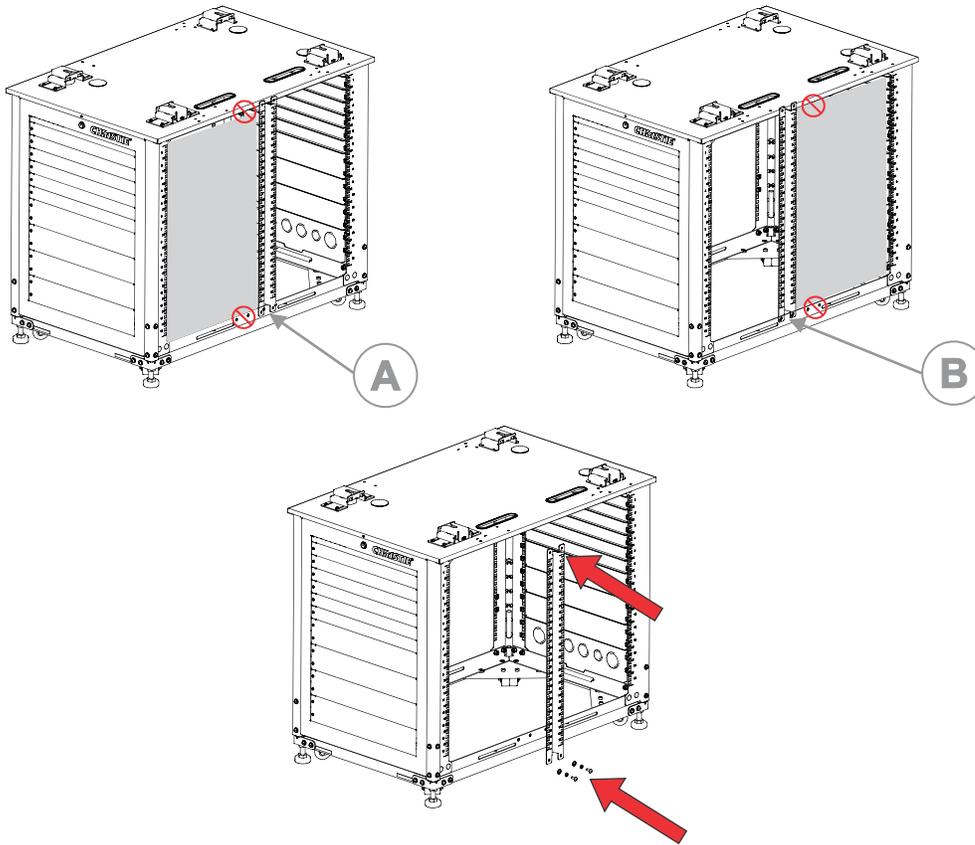
a) Remove the two screws from each end of the horizontal support.

b) Set the horizontal support aside.

c) For the remaining three horizontal supports, repeat steps a and b.

3. Install one vertical support on each side of the rack using two screws, two lock washers, and two washers in each of the four mounting holes.

As illustrated, make sure both vertical supports are installed using the front or using the back side-mounting holes. Vertical support placement determines whether components are installed at the front or the back side-mounting location.



- A Vertical support installed in the front mounting holes
- B Vertical support installed in the back mounting holes

4. If required, install components.
5. Replace the side panels removed in step 1.

Troubleshooting

This section provides information and procedures for resolving common pedestal issues. If an issue cannot be resolved or you cannot find the issue in this section, contact Christie Technical Support.

Projector feet do not extend or contract

The projector feet do not extend or contract.

Resolution

Make sure the projector foot locking nut is all the way down and loose.

How do I install the lamp power supply?

The lamp power supply (LPS) installation instructions are not provided in this guide.

Resolution

Refer to your projector's User manual for information on how to install the lamp power supply.

Specifications

Learn about the product specifications. Due to continuing research, specifications are subject to change without notice.

Supported projectors

The following projectors can be used with the Christie Rack Mount Pedestal.



Caution! If not avoided, the following could result in minor or moderate injury.

- The Christie Rack Mount Pedestal is intended for use with only the projector models listed below. Use with other equipment may result in instability causing injury.

Projector	Length	Width	Height	Weight	Part number
Solaria One	696.0 mm (27.4 inches)	688.3 mm (27.1 inches)	396.2 mm (15.6 inches)	57.8 kg (119.0 lbs)	138-001102-XX (Discontinued)
Solaria One+	695.96 mm (27.4 inches)	688.3 mm (27.1 inches)	396.2 mm (15.6 inches)	55.8 kg (123.0 lbs)	138-001113-XX (Discontinued)
CP2210	665.48 mm (26.2 inches)	688.3 mm (27.1 inches)	396.2 mm (15.6 inches)	43.5 kg (96.0 lbs)	127-001102-XX (Discontinued)
CP2220	1176.0 mm (46.3 inches)	640.1 mm (25.2 inches)	480.0 mm (18.9 inches)	116.0 kg (256.0 lbs)	127-002103-XX (Discontinued)
CP2230	1193.8 mm (47 inches)	635.0 mm (25 inches)	482.6 mm (19 inches)	111.0 kg (245.0 lbs)	127-003104-XX (Discontinued)
CP4220	1338.6 mm (52.7 inches)	650.0 mm (25.6 inches)	482.6 mm (19 inches)	111.0 kg (245.0 lbs)	129-001102-XX (Discontinued)
CP4230	1369 mm (53.9 inches)	650.0 mm (25.6 inches)	482.6 mm (19 inches)	111.0 kg (245.0 lbs)	129-002103-XX (Discontinued)
CP2315-RGB	1083.5 mm (42.7 inches)	635.0 mm (25.0 inches)	343.0 mm (13.5 inches)	79.0 kg (174.0 lbs)	163-010102-XX
CP2320-RGB	1083.5 mm (42.7 inches)	635.0 mm (25.0 inches)	344.0 mm (13.5 inches)	80.0 kg (176.0 lbs)	163-006107-XX
CP2309-RGB	1083.5 mm (42.7 inches)	635.0 mm (25.0 inches)	345.0 mm (13.5 inches)	74.3 kg (164.0 lbs)	163-019101-XX
CP2415-RGB	1083.5 mm (42.7 inches)	635.0 mm (25.0 inches)	343.0 mm (13.5 inches)	79.0 kg (174.0 lbs)	163-010102-XX
CP2415-Xe	688.0 mm (27.1 inches)	665.0 mm (26.2 inches)	395.0 mm (15.55 inches)	51.2 kg (113.0 lbs)	127-013105-XX

Projector	Length	Width	Height	Weight	Part number
CP2420-RGB	1083.5 mm (42.7 inches)	635.0 mm (25.0 inches)	344.0 mm (13.5 inches)	80.0 kg (176.0 lbs)	163-006107-XX
CP2420-Xe	1175.0 mm (46.3 inches)	644.0 mm (25.35 inches)	479.8 mm (18.89 inches)	116.0 kg (255.0 lbs)	127-012104-XX
CP4420-Xe	1176.0 mm (46.3 inches)	644.0 mm (25.35 inches)	479.8 mm (18.89 inches)	118.0 kg (260.0 lbs)	129-019101-XX
CP4315-RGB	954.5 mm (37.6 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	123 kg (271 lbs)	163-008109-XX
CP4320-RGB	954.5 mm (37.6 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	123.0 kg (271.0 lbs)	163-007108-XX
CP4330-RGB	954.5 mm (37.6 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	123.0 kg (271.0 lbs)	163-020103-XX
CP4415-RGB Gen1	944.7 mm (37.2 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	99.0 kg (218.0 lbs)	163-025108-XX
CP4415-RGB Gen2	944.7 mm (37.2 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	99.0 kg (218.0 lbs)	163-025108-XX
CP4420-RGB Gen1	944.7 mm (37.2 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	100 kg (220 lbs)	163-026109-XX
CP4420-RGB Gen2	944.7 mm (37.2 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	100 kg (220 lbs)	163-026109-XX
CP4425-RGB	944.7 mm (37.2 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	121 kg (267 lbs)	163-057103-XX
CP4430-RGB	944.7 mm (37.2 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	116.5 kg (257 lbs)	163-032106-XX
CP4435-RGB	944.7 mm (37.2 inches)	711.0 mm (28.0 inches)	525.1 mm (20.7 inches)	121 kg (267 lbs)	163-056102-XX

Physical specifications

Learn the dimensions and weight of the pedestal.

Description	Dimensions
Height (with castors)	87.7 to 103.2 cm (34.5 to 40.6 inches)
Height (without castors)	84 to 103.2 cm (33 to 40.6 inches)
Width	67.6 cm (26.6 inches)
Length	103.4 cm (40.7 inches)
Weight	70 kg (154 lbs)

