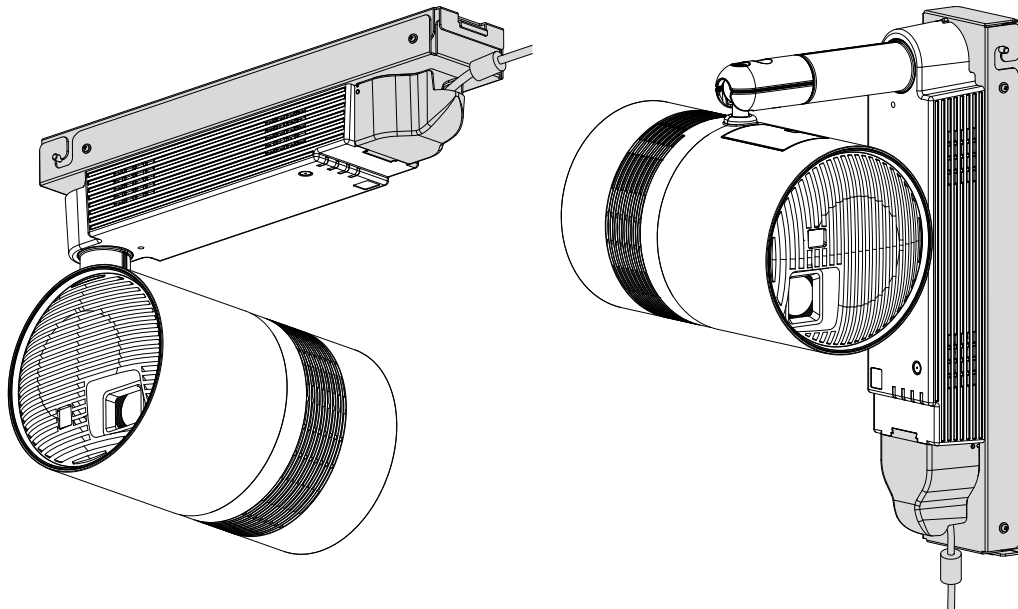


Installation Instructions Mount Bracket

Model No. **ET-JPC200BK**
ET-JPC200WK



* Above illustration is shown in combination of this product and optional projector.

Thank you for purchasing this Panasonic product.

- To customers
This manual is intended for use by installation personnel. Be sure to employ certified personnel to perform the installation.
After installation, have the installation personnel return this manual to you, and save it for future use.
When moving or removing the projector, give this manual to the certified personnel and have them perform the procedure.
- To installation personnel
Read the instructions thoroughly and then perform the installation correctly and safely.
Be sure to read through the section entitled “Read this first!” (→ pages 3 to 4) before proceeding with the installation.
After installation, return this manual to the customer.



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Read this first!

WARNING

Ask a qualified technician or your dealer to perform the installation work.

Inadequate installation may result in fire, electric shocks, or falling of the projector.

- Follow the instructions specified in "Installation" of this manual, and perform secure installation.
- To be installed by qualified personnel only.
- Do installation in accordance with your country regulations.

Install the certified wiring circuit breaker (breaker with rated current of 16 A or less) in a location that can be easily reached.

Insufficient capacity of the indoor wiring for the power supply or incorrect installation may result in a fire or electric shock.

- If anything abnormal occurs, immediately shut off the power supply of the indoor wiring with the certified wiring circuit breaker.

Make sure that your footing is safe and secure during installation.

- If your footing is not secure, you may fall down or drop the projector, and an injury may result.

Install the product in a way that is suitable for the structure and material of the installation location.

Performing the installation work in an incorrect way may cause a fire, electric shock, or falling accident.

Make sure that the mounting work is carried out by two or more persons.

Failure to observe this may result in damage or deformation of the projector, serious accidents or injury caused by falling.

Do not mount the product to a wall or ceiling that is unable to withstand the weight.

Doing so may cause injury due to falling or a fire or electric shock.

Do not install the projector in a passageway.

Bumping into the projector or tripping on the power cord may cause a fire, electric shock, or injury.

- When installing the projector in a passageway, take measures to prevent physical contact with the projector by setting up a fence or similar things.

Do not install the product in a location where the intake and exhaust of the projector will be blocked.

Heat accumulating inside the projector may cause a fire.

Do not set up the projector in humid or dusty places or in places where the projector may come into contact with oily smoke or steam.

Using the projector under such conditions will result in fire or electric shocks.

Do not use other than a specified projector.

Do not install a projector in a way other than specified.

Doing so may cause a falling accident or a fire or electric shock.

Be sure to use the supplied parts that make up this product when installing the product.

Insufficient strength or improper installation may cause injury due to falling or a fire or electric shock.

Do not dismantle or modify this product.

Doing so may cause it to break or injury due to falling.

Do not do anything that might damage the power cord or power plug.

If the power cord is used while damaged, electric shocks, short-circuits or fire will result.

- Do not damage the power cord, make any modifications to it, place it near any hot objects, bend it excessively, twist it, pull it, place heavy objects on top of it or wrap it into a bundle.
Ask your dealer to carry out any repairs to the power cord or power plug that might be necessary.

Do not use anything other than the provided power cord.

Failure to observe this will result in electric shocks or fire. Please note that if you do not use the provided power cord to ground the device on the side of the outlet, this may result in electric shocks.

Completely insert the power plug into the wall outlet and the power connector into the projector terminal.

If the power plug or power connector is not completely inserted, electric shocks or overheating may result.

- Do not use plugs which are damaged or wall outlets which are coming loose from the wall.

Read this first! (continued)

WARNING

Do not handle the power plug and power connector with wet hands.

Failure to observe this may result in electric shocks.

Do not use the supplied power cord with equipment other than a specified projector.

Using the supplied power cord with equipment other than a specified projector may cause electric shock or fire due to a short or heat generation.

Do not allow children to reach the supplied screws and the string.

Accidentally swallowing them can cause physical harm.

● If swallowed, seek medical advice immediately.

CAUTION

Do not install this product in a location where salt damage occurs or corrosive gas is generated.

Doing so may cause falling due to corrosion.

Do not put excessive force on the projector by hanging on the projector or dangling any object.

Doing so may result in falling of the projector and injuries.

Mount this product according to the specified orientation.

Mounting this product to the floor or in an improper orientation may result in tumbling or the falling of projector.

When disconnecting the power cord, be sure to hold the power plug (the outlet side) and the power connector (the projector side) and pull it off.

If the power cord itself is pulled, the lead may become damaged, and fire, short-circuits or serious electric shocks may result.

- **Panasonic Connect Co., Ltd. disclaims all liability for any accidents or any damage caused by the installation of the attachment plate using methods that are not described in these Installation Instructions or methods that do not use the parts specified in these Instructions.**
- **If products are no longer being used, they should be dismantled and removed by the certified personnel as soon as possible.**

Installation precautions

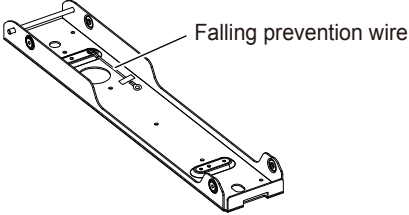
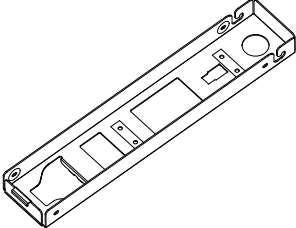
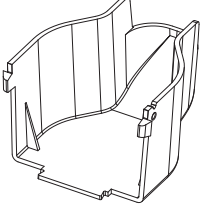

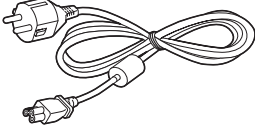

- Install this product in a place that is strong enough to withstand the weight of both the projector and product.
- Install this product in a place where the intake and exhaust of the projector will not be blocked.
- Do not install this product in a place near the sea or where corrosive gas is generated.
- Do not install this product in places subject to sudden temperature changes, such as near an air conditioner air outlet or lighting equipment (studio lamps, etc.).
- If wallpaper is affixed to the surface where the product will be mounted to the ceiling, make sure the wallpaper paste is sufficiently dry before installing this product.
Failing to do so may result in rusting or discoloration of the paint.
- With the exception of wood screws, use the following tightening torques for the screws.

Size	Tightening torque
M4	$1.2 \pm 0.3 \text{ N}\cdot\text{m}$
M10	$20 \pm 1 \text{ N}\cdot\text{m}$

- When tightening screws or bolts, use a torque driver or torque wrench. Do not use electrical drivers or impact drivers.

Product composition

Check that the package contains the following parts. The number enclosed in < > is the quantity.

<p>Attachment plate <1></p> 	<p>The attachment plate is mounted to the wall or ceiling to support the entire product. The falling prevention wire is secured with tape at the inner side of the attachment plate.</p>
<p>Projector mount bracket <1></p> 	<p>The projector mount bracket is mounted to the projector and then attached to the attachment plate.</p>
<p>Adapter cover <1></p> 	<p>The adapter cover hides the <AC IN> socket part of the projector.</p>
<p>String <1></p> 	<p>This is to prevent the adapter cover from dropping.</p>
<p>Power cord (K2CM3YY00038) <1></p> 	<p>Connect to the <AC IN> socket of the optional projector.</p>
<p>Screw with captive washer (M4 x 8) <8> (ET-JPC200BK: XYN4+F8FJK) (ET-JPC200WK: 4112055002)</p> 	<p>These are used to mounting or assembling the product.</p>

Attention

- After removing the product from the package, dispose of the power cord cap and packing material appropriately.
- The supplied power cord should not be used with projectors other than specified.
- If any part is missing, please contact the dealer.
- Store small parts appropriately in a place out of the reach of infants and small children.

Note

- The part numbers of the parts are subject to change without notice.
- Please note that an assembly test has been performed using all parts so this product may have screw tightening marks around the parts where the attachment plate and projector mount bracket fit together.
- The product composition, projector, combination of the product and projector, etc. shown in the illustrations may differ from the actual equipment.

Before installation

Items to prepare

The items that you need to provide in advance in addition to the supplied parts to mount this product to a wall or ceiling are as follows.

- **This product is a tool used for mounting the projector (optional) to a wall or ceiling. Use it to install a compatible projector.**

Compatible projectors: PT-JX200FBK / PT-JX200FWK

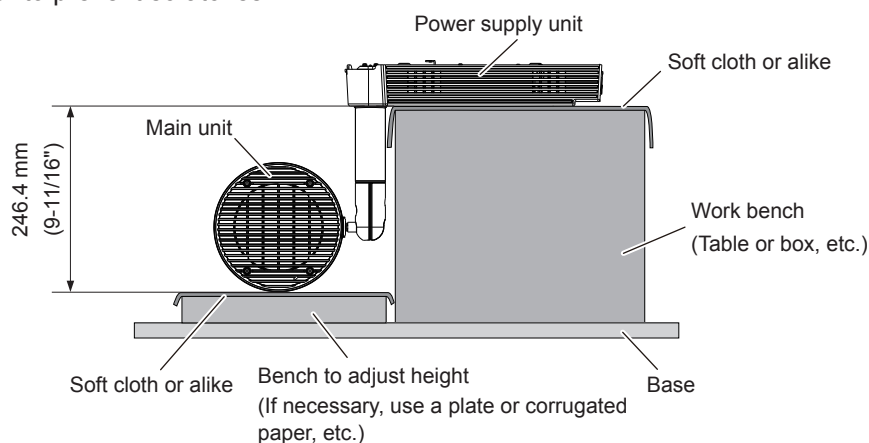
- **The following parts are required when mounting the attachment plate to a wall or ceiling. Please prepare the suitable commercially available products depending on the structure of the wall or ceiling and the installation method.**

The number enclosed in < > is the quantity.

Structure of mounting area	Commercially available parts
For the wall or ceiling with wooden reinforcement	Ensure there will be thread engagement of at least 20 mm (25/32") in the wall or ceiling reinforcement member; (round head) wood screws with nominal diameter of 4.1 mm (5/32") <5> and 3.1 mm (1/8") <4>
For concrete beams or alike (Bolt diameter: M10)	Hanging bolt <2> Hexagonal nut <6> Flat washer <6> Spring washer <4> Anchor nut or curled plug <2>
For wooden beams or alike (Bolt diameter: M10)	Hanging bolt <2> Hexagonal nut <8> Flat washer <8> Spring washer <4>

- **A work bench and a soft cloth to prevent scratches are necessary when mounting the projector mount bracket to the projector.**

Prepare a bench for the mounting work with a height of at least 250 mm (9-27/32") and lay a soft cloth or the like below the projector to prevent scratches.



- **Disposal**

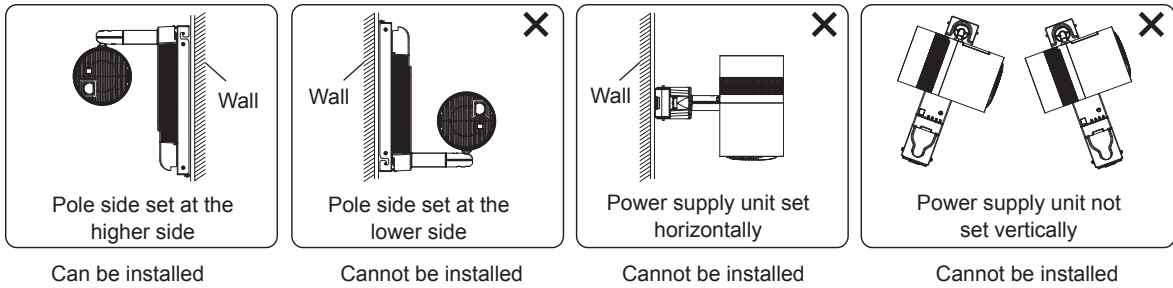
When disposing of this product, ask your local authority or dealer about the correct disposal method.

Before installation (continued)

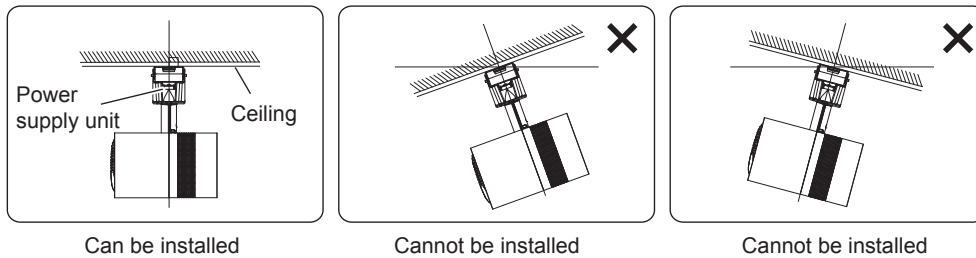
Installation orientation

Mount this product in the specified orientation to a wall or ceiling. Mounting this product in a wrong orientation may cause the falling of projector.

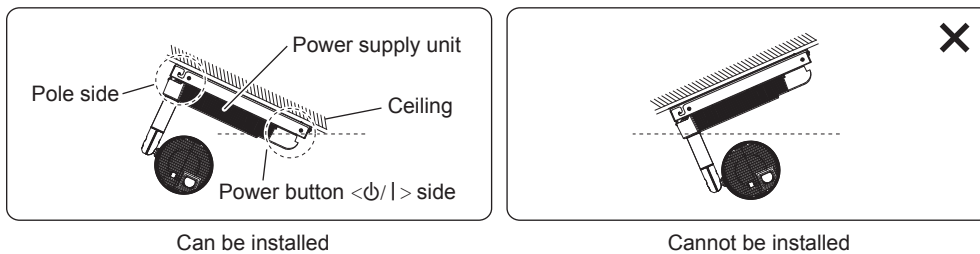
- When mounting it to a wall, set the pole side at the upper end and the lengthwise direction vertically.



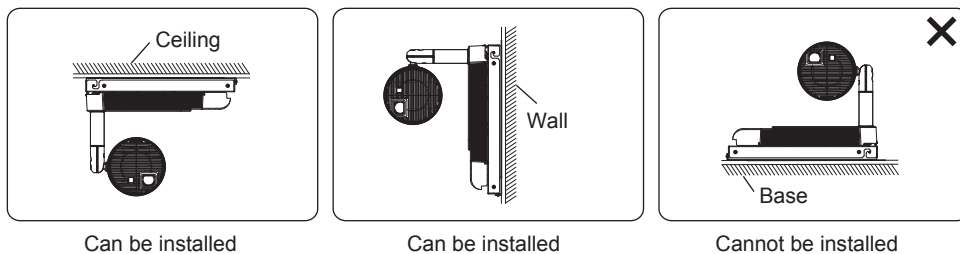
- When mounting it to a ceiling, do not install it with inclining left or right.



- When mounting to the inclining ceiling, set the pole side of power unit at the upper end relative to the power button $\langle \phi / | \rangle$ side.



- Do not mount to the floor surface.



Note

- The illustrations of this product, the projector or their combination in the manual may differ from the actual ones.

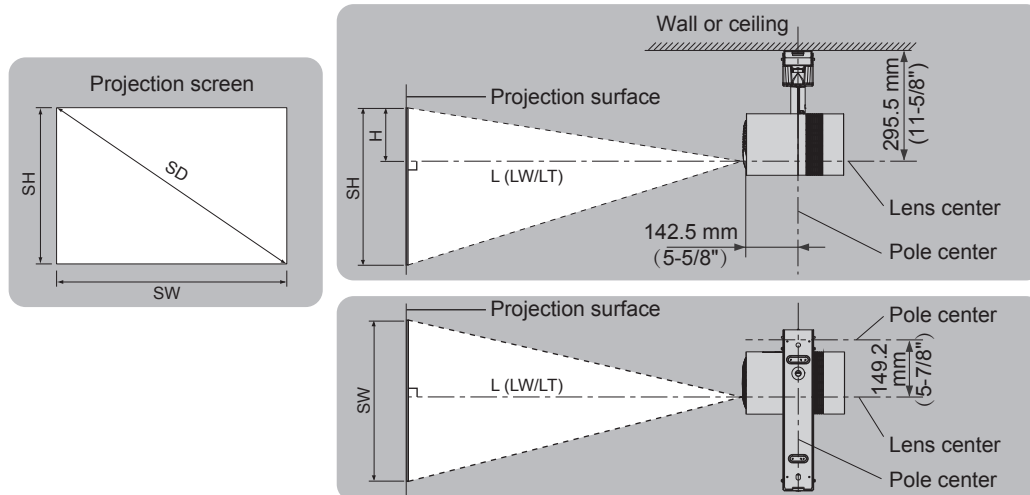
Before installation (continued)

Installation position

Decide the installation position on the wall or ceiling while referring to "Projection related dimension diagrams", "Projection distances" and "Mounting hole dimensions".

The following illustrations are examples of the projection lens surface of the main unit of the projector and the projection surface positioned so that they are facing each other straight. The projection position and projection screen size can be adjusted on the projector side in accordance with the projection surface position and range.

■ Projection related dimension diagram



L (LW/LT)*1	Projection distance (distance from projection lens surface to the projection surface) (m)
SH	Image height (m)
SW	Image width (m)
SD	Screen diagonal size (m)
H	Distance from the lens centre to one side (the wall or ceiling side to install the attachment plate) of the projection surface (m)

*1 LW: Minimum projection distance
LT: Maximum projection distance

■ Projection distances (when the aspect ratio is 4:3)

The following shows the dimensional relationship between the projector and projection surface.

In addition, some dimension deviation may exist in the following table. Also, when keystone correction is performed on the projector side, correction is made so that the projected image size becomes smaller than the specified screen size.

(Unit: m)

Projected image size			Projection distance (L)		Distance from the lens centre to the end of image (H)
Diagonal (SD)	Height (SH)	Width (SW)	Min. (LW)	Max. (LT)	
0.76 (30")	0.457	0.610	0.79	1.75	0.152
1.02 (40")	0.610	0.813	1.06	2.35	0.203
1.27 (50")	0.762	1.016	1.34	2.94	0.254
1.52 (60")	0.914	1.219	1.62	3.54	0.305
1.78 (70")	1.067	1.422	1.89	4.14	0.356
2.03 (80")	1.219	1.626	2.17	4.73	0.406
2.29 (90")	1.372	1.829	2.45	5.33	0.457
2.54 (100")	1.524	2.032	2.72	5.92	0.508

Before installation (continued)

Projected image size			Projection distance (L)		Distance from the lens centre to the end of image (H)
Diagonal (SD)	Height (SH)	Width (SW)	Min. (LW)	Max. (LT)	
3.05 (120")	1.829	2.438	3.28	7.12	0.610
3.81 (150")	2.286	3.048	4.10	8.90	0.762
5.08 (200")	3.048	4.064	5.48	11.88	1.016

■ Projection distance formula (when the aspect ratio is 4:3)

To use an image size not listed in this manual, check the projected image size SD (m) and use the respective formula to calculate projection distance (L).

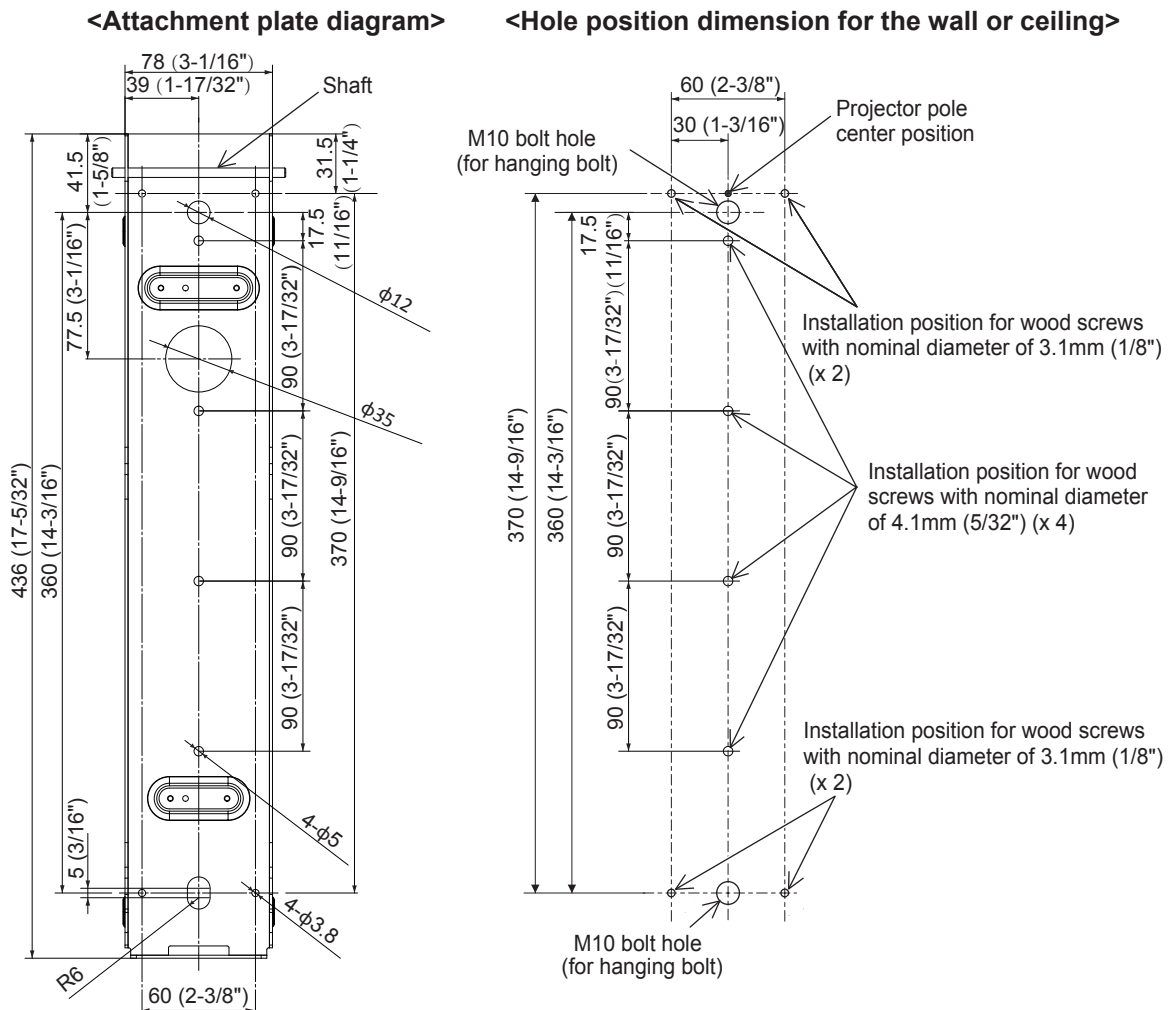
The unit of "m" applies to all the data in the formula. (Value obtained by the following calculation formula may be of some deviation.)

When calculating a projection distance using image size designation (value in inches), multiply the value in inches by 0.0254 and substitute it into SD in the formula for calculating the projection distance.

Minimum projection distance (LW)	$L = 1.0907 \times SD - 0.0507$
Maximum projection distance (LT)	$L = 2.3468 \times SD - 0.0379$

■ Mounting hole dimensions

Unit: mm



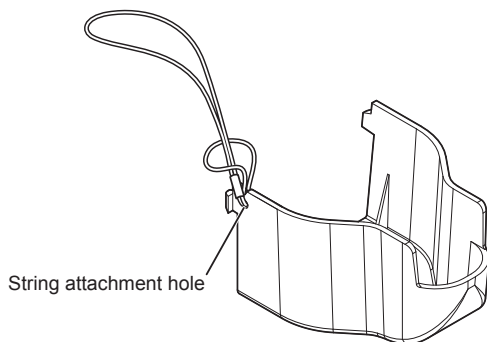
Installation

Main procedures

The main procedures for using this product to install a projector (optional) on a wall or ceiling are as follows. Before the installation work, be sure to shut off the power supply to the room by, for example, shutting off the wiring circuit breaker.

- 1) Preparing the adapter cover (→ page 11)
- 2) Mounting the attachment plate to a wall or ceiling (→ page 11)
- 3) Changing the orientation of the main unit of the projector (→ page 17)
- 4) Mounting the projector mount bracket to the projector (→ page 18)
- 5) Mounting the projector to the attachment plate (→ page 20)
- 6) Connecting the power cord to the projector (→ page 23)
- 7) Adjusting the projection position (→ page 25)

Preparing the adapter cover



1) Attach the string to the adapter cover.

- Pass the end of the string (end with the small loop) through the hole in the adapter cover and then attach the string to the adapter cover as shown in the following diagram.

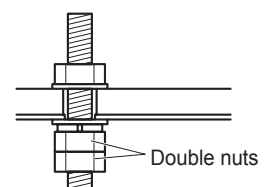
Mounting the attachment plate to a wall or ceiling

Check the height, space, and structure of the installation location and then determine the installation position on the wall or ceiling in advance while referring to "Installation position" (→ page 9). Use the centre of the projector pole as a guide for positioning.

The mounting method for the attachment plate differs depending on the structure of the ceiling. Install it in a way that is appropriate for the ceiling to be mounted on. Before performing the mounting work, check that the hanging bolt and the installation location of the mount bracket is strong enough to withstand the weight of both the projector and the mount bracket.

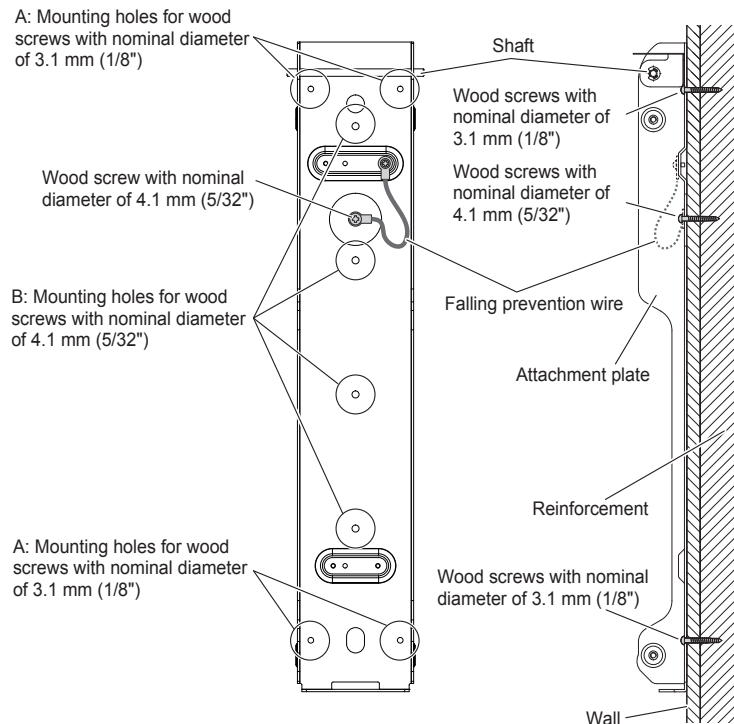
Attention

- When mounting the product to the ceiling with hanging bolts, be sure to use commercially available hanging bolts, hexagonal nuts, flat washers, spring washers, and anchor nuts or curled plugs for the M10 thread size.
- When mounting the product to a concrete ceiling with hanging bolts, drill anchor nut or curled plug mounting holes to match the size specified by the manufacturer.
- Securely tighten each nut, and if necessary take a measure such as using two nuts or thread-locking fluid to prevent loosening.
- When mounting the product to a wall or ceiling with wood screws, make sure the purchased commercially available wood screws with nominal diameter of 4.1 mm (5/32") and 3.1 mm (1/8") can meet the requirement of at least 20 mm (25/32") thread engagement with the wall or ceiling reinforcement.



Installation (continued)

■ When mounting to a reinforced wall with wood screws



1) Drill mounting holes in reference to "Mounting hole dimensions" (→ page 10).

- When mounting to the wall, set the pole of the projector at the upper end.
- There are two installation methods for choice.
 - A: This method uses 4 wood screws (3.1 mm (1/8")) to fix the attachment plate.
 - B: This method uses 4 wood screws (4.1 mm (5/32")) to fix the attachment plate.
- Depending on the reinforcement type, use method A (4 holes) or B (4 holes) accordingly.
- Add marks to the wood screw installation positions (4 holes) on the wall.

2) Mounting the attachment plate to the wall.

- According to the selected method as described above, use commercially available wood screws with a nominal diameter of 4.1 mm (5/32") or 3.1 mm (1/8") to secure the attachment plate.
- If the wall for mounting product is not strong enough, the product may fall and subject to damages, etc. Do give consideration to the safety factor and provide sufficient reinforcement.
- For the wall with reinforcement, ensure there is thread engagement of at least 20 mm (25/32") in the wall reinforcement member.

3) Install the falling prevention wire to the wall.

- The falling prevention wire is secured to the attachment plate with tape.
- Rip off the tape and use a commercially available wood screw with a nominal diameter of 4.1 mm (5/32") to secure the free end of the falling prevention wire to the wall through the larger circular hole on the attachment plate.

Attention

- When installing the attachment plate to the wall with wood screws, make sure the falling prevention wire is installed to the wall.

Installation (continued)

[Reference]

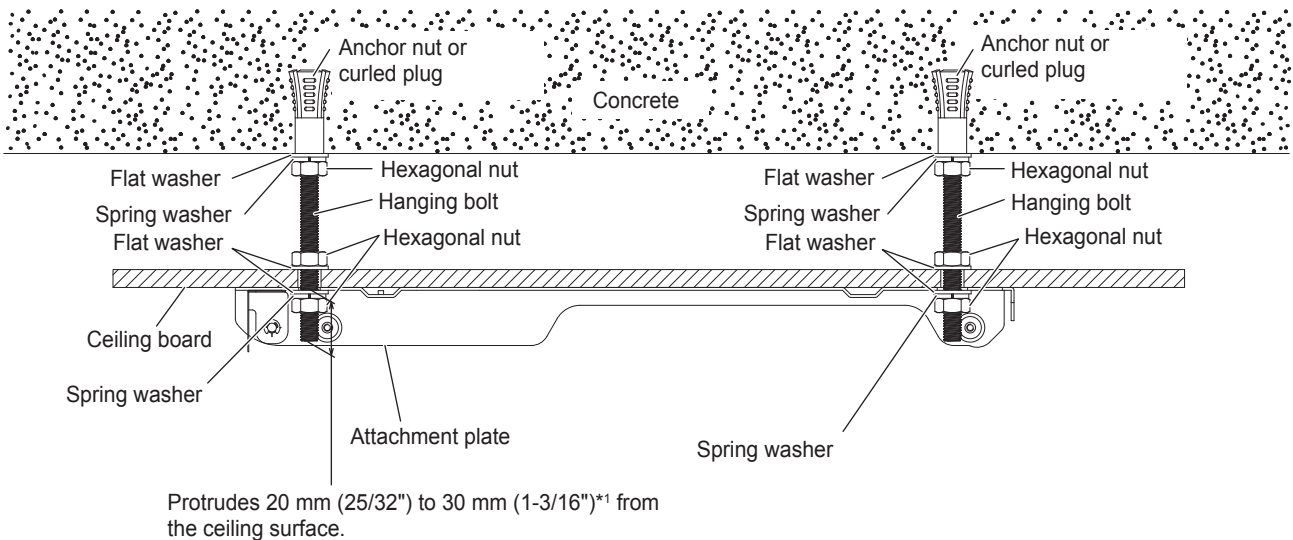
Wood screw pullout strength

Unit (N)

Tree type (Thickness of at least 20 mm (25/32"))	Wood screw (nominal diameter 4.1 mm (5/32") x thread engagement 20 mm (25/32"))			Wood screw (nominal diameter 3.1 mm (1/8") x thread engagement 20 mm (25/32"))		
	Cross grain	Straight grain	Edge	Cross grain	Straight grain	Edge
Pine	1317	1114	912	796	674	551
Cedar	1013	1013	709	613	613	429
Cypress	1621	2127	912	980	1286	551
Lauan	912		-	551		-
Plywood	1114		810	674		490
Laminated veneer lumber	810		399	490		241

Installation (continued)

■ When the hanging bolt installation location is of concrete



*1 27 mm (1-1/16") to 30 mm (1-3/16") for double nuts

1) Drill mounting holes in reference to "Mounting hole dimensions" (→ page 10).

- Drill anchor nut or curled plug mounting holes to match the size specified by the manufacturer.
- Drill two through holes in the ceiling board for the hanging bolts (M10).

2) Attach the two hanging bolts to the concrete ceiling.

- Attach the anchor nuts or curled plugs to the concrete ceiling and securely fix the two hanging bolts.
- When installing anchor nuts or curled plugs, strictly adhere to the installation instructions supplied by the manufacturer so that they will not come out or loosen, or be dislodged from the intended positions.
- If the ceiling concrete has become weak and fragile or may have degraded as a result of aging, reinforce it with iron or wood.

3) Use hanging bolts to mount the attachment plate.

- The ends of hanging bolts at the attachment plate side should protrude by approx. 5 mm (3/16") from the hexagonal nuts.
- Make sure the distance from the surface of the attachment plate to the end of the hanging bolts is within 30 mm (1-3/16"). If the distance is too long, the projector mount bracket will not be able to be attached.
- Be sure to use commercially available flat washers and spring washers to install the attachment plate.

Attention

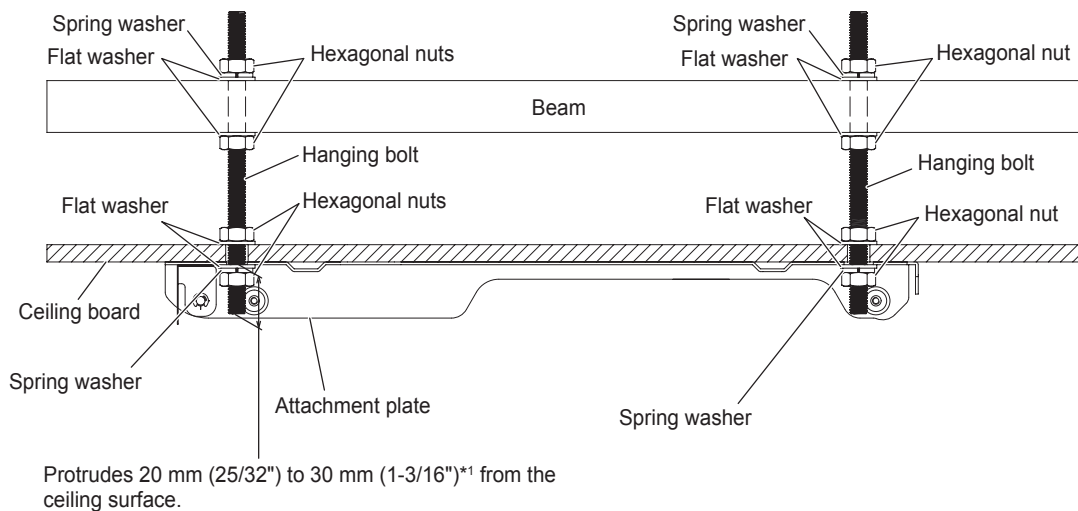
- Tighten the hexagonal nuts fixing the ceiling board and attachment plate together while considering the strength of the ceiling board material. If the ceiling board material is of low strength, the ceiling board may be damaged if the nuts are tightened to the specified torque. In this case, also take measures such as applying double nuts or screw lock to prevent loosening of the hexagonal nuts.

Note

- When mounting the attachment plate to the hanging bolts, there is no need to install the falling prevention wire to the ceiling.

Installation (continued)

■ When the hanging bolt installation location is a wooden beam



*1 27 mm (1-1/16") to 30 mm (1-3/16") for double nuts

1) Drill mounting holes in reference to "Mounting hole dimensions" (→ page 10).

- Drill two through holes in the ceiling beam for the hanging bolts.
- Drill two through holes in the ceiling board for the hanging bolts (M10).

2) Attach the two hanging bolts.

- Securely fix the two hanging bolts to the ceiling beam.
- If the place for fixing the hanging bolts is not strong enough, do give consideration to the safety factor and provide sufficient reinforcement.

3) Attach the attachment plate to the hanging bolts.

- The ends of hanging bolts at the attachment plate side should protrude by approx. 5 mm (3/16") from the hexagonal nuts.
- Make sure the distance from the surface of the attachment plate to the end of the hanging bolts is within 30 mm (1-3/16"). If the distance is too long, the projector mount bracket will not be able to be attached.
- Be sure to use commercially available flat washers and spring washers to install the attachment plate.

Attention

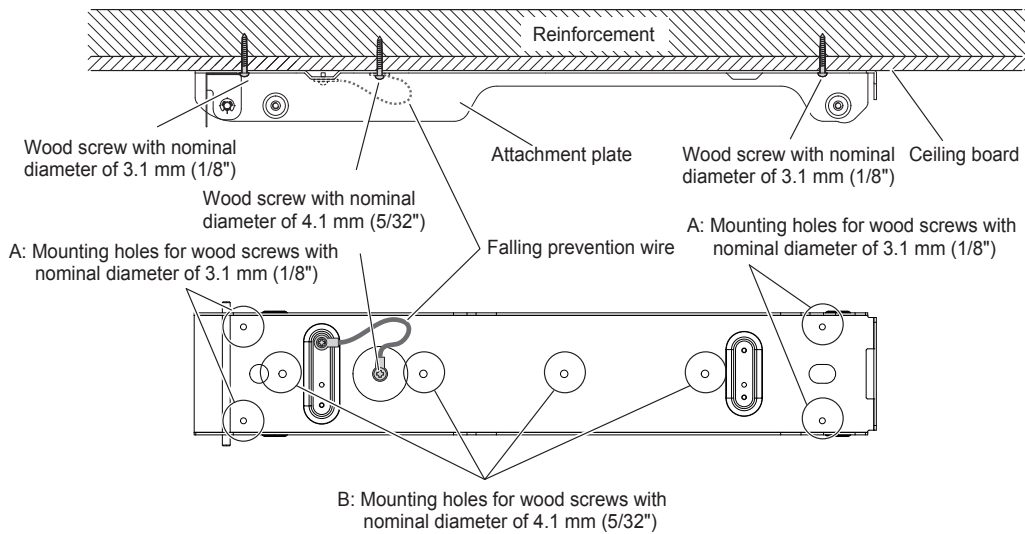
- Tighten the hexagonal nuts fixing the ceiling board and attachment plate together while considering the strength of the ceiling board material. If the ceiling board material is of low strength, the ceiling board may be damaged if the nuts are tightened to the specified torque. In this case, also take measures such as applying double nuts or screw lock to prevent loosening of the hexagonal nuts.

Note

- When mounting the attachment plate to the hanging bolts, there is no need to install the falling prevention wire to the ceiling.

Installation (continued)

■ When mounting to a reinforced ceiling with wood screws



1) Drill mounting holes in reference to “Mounting hole dimensions” (→ page 10).

- There are two installation methods for choice.
 - A: This method uses 4 wood screws (3.1 mm (1/8")) to fix the attachment plate.
 - B: This method uses 4 wood screws (4.1 mm (5/32")) to fix the attachment plate.
 Depending on the reinforcement type, use method A (4 holes) or B (4 holes) accordingly.
- Add marks to the wood screw installation positions (4 holes) on the ceiling.

2) Mount the attachment plate to the ceiling.

- According to the selected method as described above, use commercially available wood screws with a nominal diameter of 4.1 mm (5/32") or 3.1 mm (1/8") to secure the attachment plate.
- If the ceiling board of the installation location is not strong enough, the product may fall and subject to damages. Do give consideration to the safety factor and provide sufficient reinforcement.
- For the ceiling with reinforcement, ensure there is thread engagement of at least 20 mm (25/32") in the ceiling reinforcement member.

3) Install the falling prevention wire to the ceiling.

- The falling prevention wire is secured to the attachment plate with tape.
- Rip off the tape and use a commercially available wood screw with a nominal diameter of 4.1 mm (5/32") to secure the free end of the falling prevention wire to the ceiling through the larger circular hole on the attachment plate.

Attention

- When installing the attachment plate to the ceiling with wood screws, make sure the falling prevention wire is installed to the ceiling.

[Reference]

Wood screw pullout strength

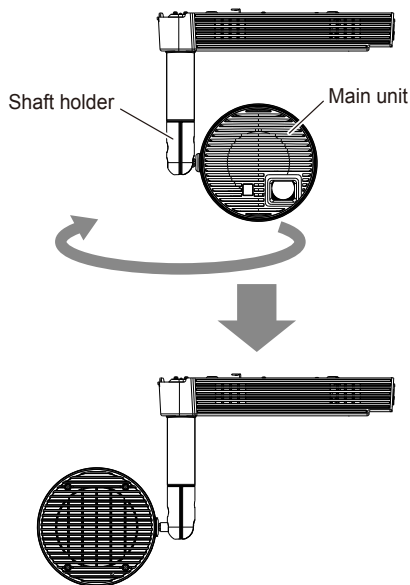
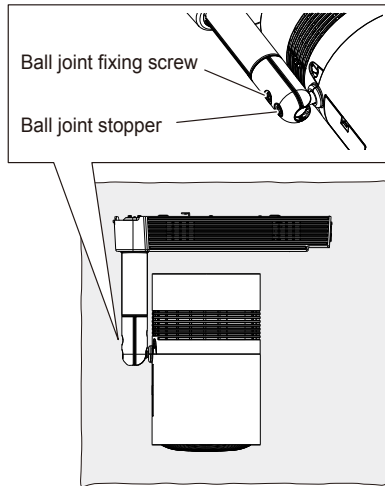
Unit (N)

Tree type (Thickness of at least 20 mm (25/32"))	Wood screw (nominal diameter 4.1 mm (5/32") x thread engagement 20 mm (25/32"))			Wood screw (nominal diameter 3.1 mm (1/8") x thread engagement 20 mm (25/32"))		
	Cross grain	Straight grain	Edge	Cross grain	Straight grain	Edge
Pine	1317	1114	912	796	674	551
Cedar	1013	1013	709	613	613	429
Cypress	1621	2127	912	980	1286	551
Lauan	912		-	551		-
Plywood	1114		810	674		490
Laminated veneer lumber	810		399	490		241

Installation (continued)

Changing the orientation of the main unit of the projector

This section describes changing the orientation of the main unit of the projector to make the installation work much easier.



1) Place the projector on a cloth or the like that has been laid on a flat surface.

2) Loosen the ball joint fixing screw.

- Loosen the ball joint fixing screw of the projector with the allen wrench (5.0 mm (3/16") across flats) supplied with the projector.

3) Change the orientation of the main unit.

- Loosening the ball joint fixing screw enables rotation of the shaft holder so that the orientation of the main unit can be changed.

4) Tighten the ball joint fixing screw.

- Tighten the ball joint fixing screw with the allen wrench (5.0 mm (3/16") across flats) supplied with the projector to prevent the main unit moving during the mounting work.

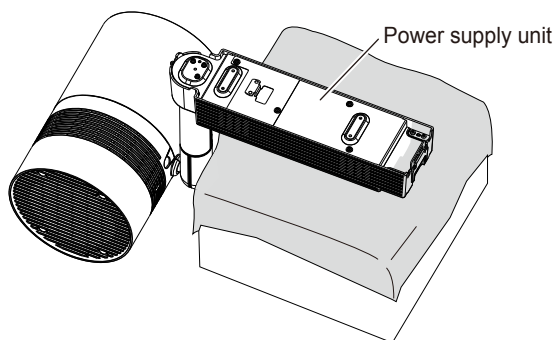
Attention

- When loosening the ball joint fixing screw with the pole being held by hand, take care to avoid the hand(s) or fingers being pinched between the pole and the main unit.

Installation (continued)

Mounting the projector mount bracket to the projector

This section describes mounting the projector mount bracket to the projector.

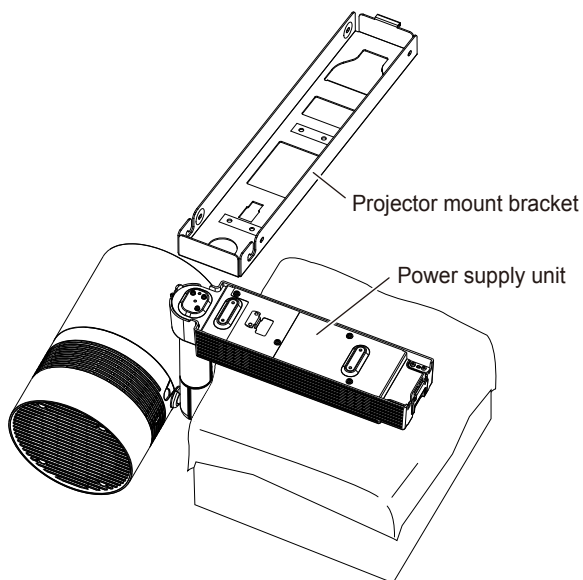


1) Place the projector on the work bench.

- Place the power supply unit of the projector on a work bench that has a soft cloth or the like laid on it.

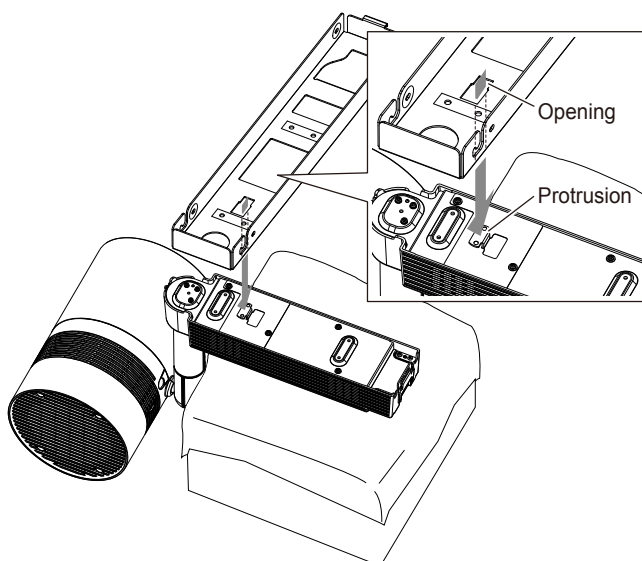
Attention

- The projector may become unstable, so at least 2 people should perform the projector mount bracket mounting work.



2) Align the projector mount bracket.

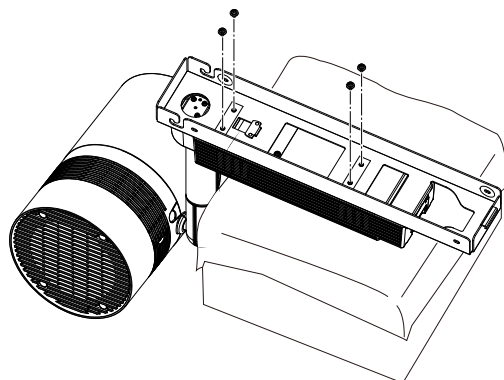
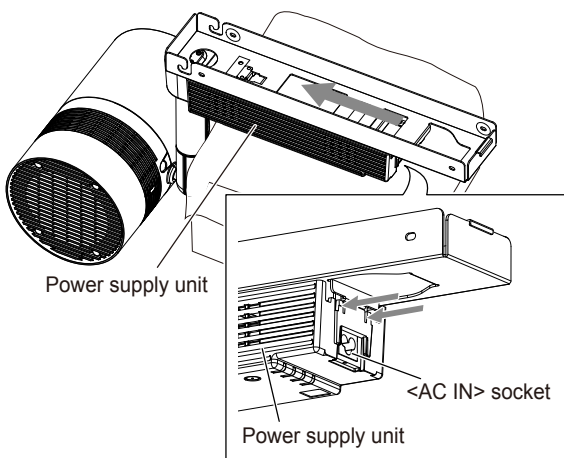
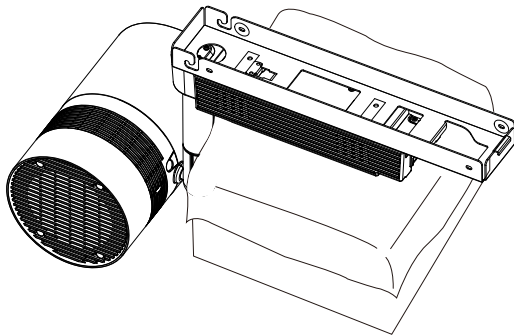
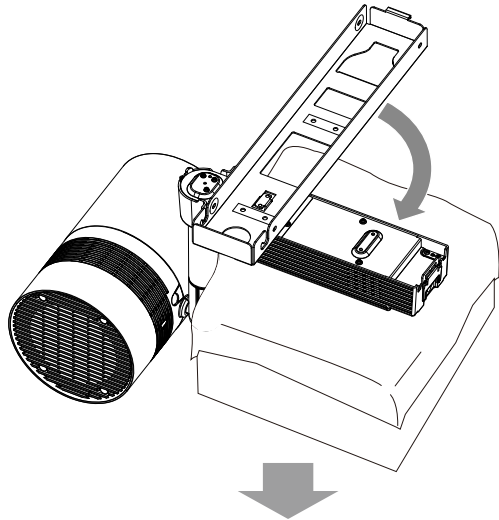
- Orient the projector mount bracket at an angle of 90° to the power supply unit of the projector.



3) Mount the projector mount bracket to the projector.

- Align the opening in the projector mount bracket with the protrusion on the projector and perform installation.

Installation (continued)



4) Rotate the projector mount bracket.

- Turn the projector mount bracket to match the orientation of the power supply unit of the projector.

5) Slide the projector mount bracket.

- Slide the projector mount bracket so that it attaches to the <AC IN> socket side of the power supply unit of the projector.

6) Secure the projector mount bracket with the screws and captive washers.

- Firmly secure the projector mount bracket with the four supplied screws with captive washers (M4 x 8).

Installation (continued)

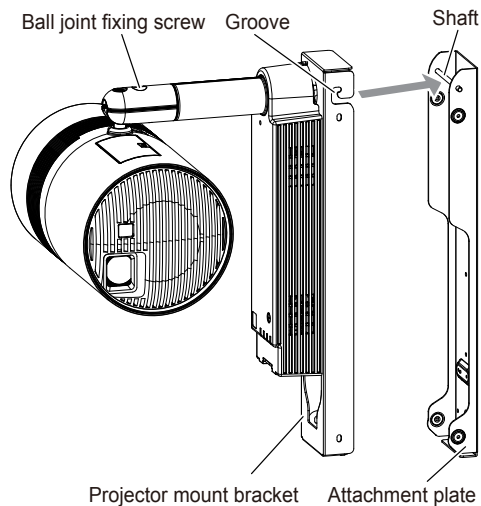
Mounting the projector to the attachment plate

Attach the projector mounted with the projector mount bracket to the attachment plate that already installed to the wall or ceiling.

■ Install the projector to a wall

Attention

- For wall mounting, set the pole of the projector at the upper end and the lengthwise direction of the power supply unit vertically, and then perform the mounting work.



1) Change the orientation of the main unit of the projector.

- Refer to "Changing the orientation of the main unit of the projector" (→ page 17), adjust the orientation of the main unit of the projector as shown in the left illustration and then fasten the ball joint fixing screw.

2) Attach the groove of the projector mount bracket to the shaft of the attachment plate.

Warning:

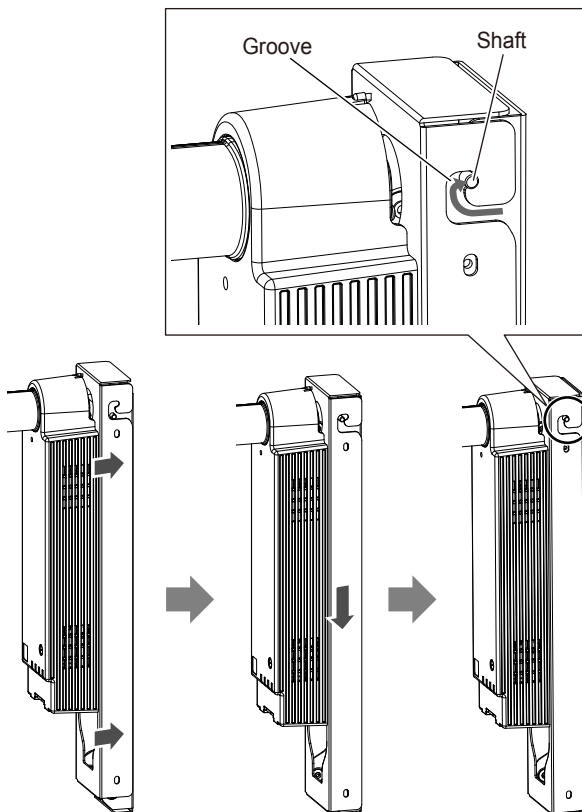
The mounting and installation must be carried out by two or more persons.

3) Attach the projector mount bracket to the attachment plate.

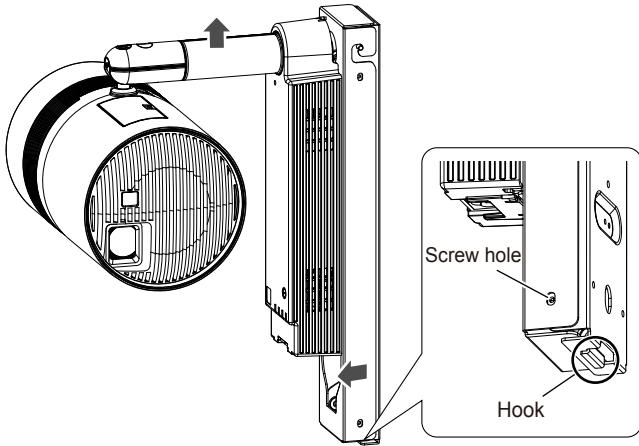
- Slide the projector mount bracket as shown in the left illustration and make the groove of the projector mount bracket held on to the shaft of the attachment plate.

Attention

- Do not release your hand until the shaft of the attachment plate is fitted into the groove of the projector mount bracket.

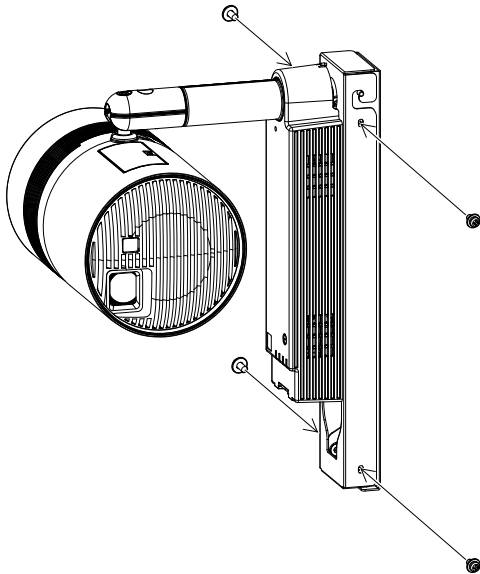


Installation (continued)



4) Attach the hook of the projector mount bracket to the attachment plate.

- Take the shaft as pivot and slightly lift up the projector pole, the projector mount bracket hook can be connected to the attachment plate, and the screw holes of the projector mount bracket and the attachment plate can be aligned.
- To well secure the screws in step 5), keep the screw holes in the attachment plate and the projector mount bracket aligned.

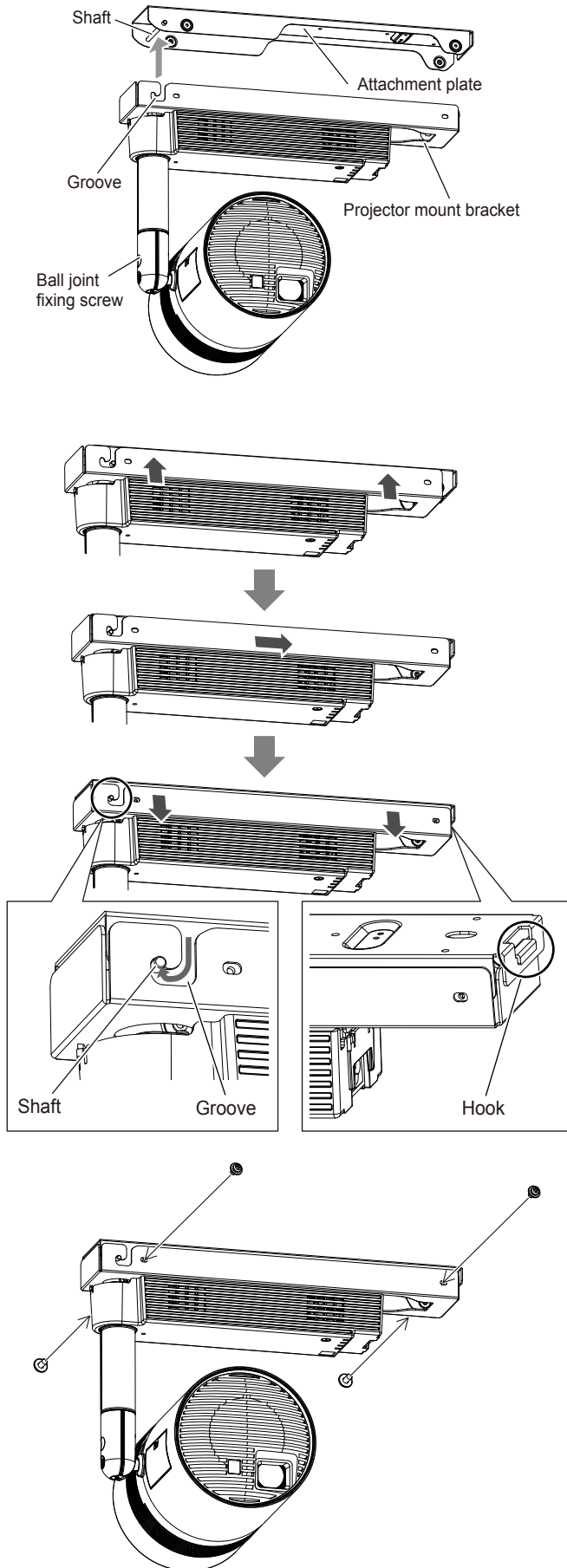


5) Secure the projector mount bracket to the attachment plate with the screws and captive washers.

- Firmly secure the projector mount bracket with the four supplied screws and captive washers (M4 x 8).

Installation (continued)

■ Install the projector to a ceiling



1) Changing the orientation of the main unit of the projector.

- Refer to "Changing the orientation of the main unit of the projector" (→ page 17), adjust the orientation of the main unit of the projector as shown in the left illustration and then fasten the ball joint fixing screw.

2) Attach the groove of the projector mount bracket to the shaft of the attachment plate.

Warning:

The mounting and installation must be carried out by two or more persons.

3) Attach the projector mount bracket to the attachment plate.

- Slide the projector mount bracket and make the groove of the projector held on to the shaft of the attachment plate.

Attention

- Do not release your hand until the attachment plate is fitted into both sides (the shaft side and the hook side) of the projector mount bracket.

4) Secure the projector mount bracket to the attachment plate with the screws and captive washers.

- Firmly secure the projector mount bracket with the four supplied screws and captive washers (M4 x 8).

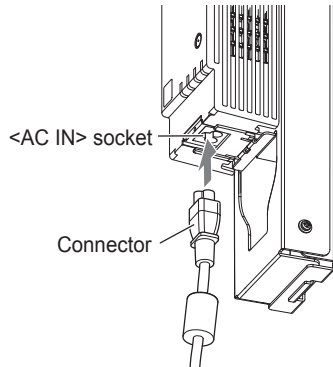
Installation (continued)

Connecting the power cord to the projector

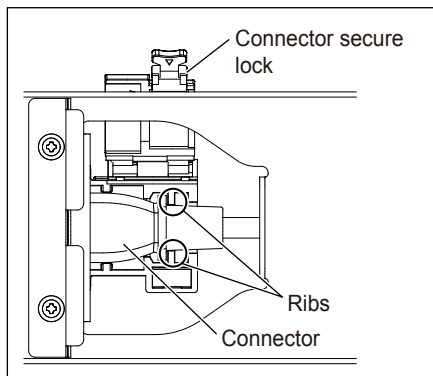
This section describes connecting the supplied power cord to the projector.

To prevent the disconnection of the power cord, firmly insert the connector all the way into the <AC IN> socket of the projector and then secure it in place.

For details on the handling of the power cord, refer to "Read this first!" (→ page 3).

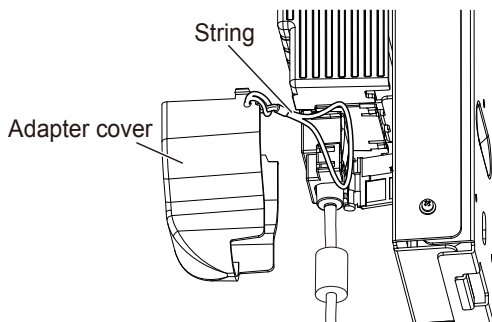
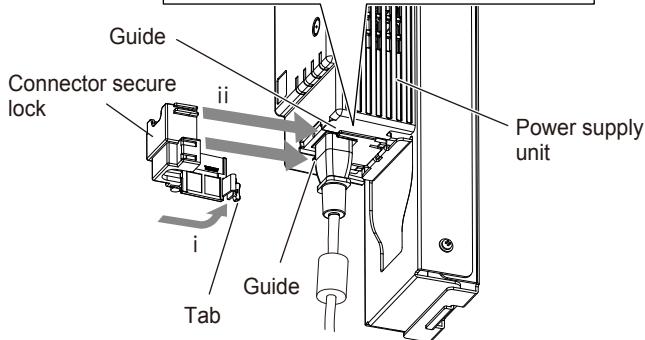


- 1) Check the shapes of the <AC IN> socket of the projector and the connector of the power cord and then orient the connector correctly and insert it firmly.



- 2) Attach the connector secure lock.

- Attach the connector secure lock by sliding it along the guides on both sides of the <AC IN> socket of the power supply unit. When attaching it, make sure that the connector of the power cord fits further inside (power supply unit side) than the ribs on the connector secure lock.



- 3) Hook the string of the adapter cover to the connector secure lock.

- Hook the string that was attached to the adapter cover beforehand to the connector secure lock as shown in the figure on the left.

Installation (continued)

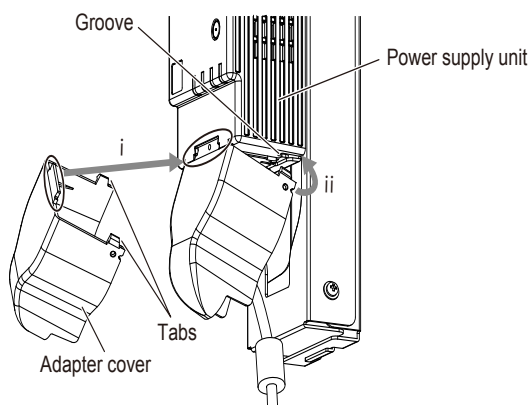
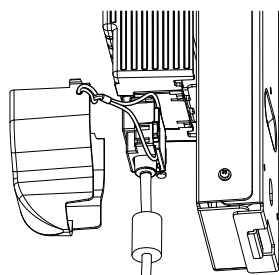
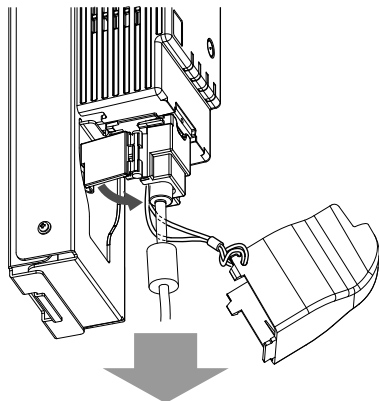


Image with the adapter cover being attached

4) Close the connector secure lock.

- While the string is hooked onto the cover, push until the tabs of the connector secure lock click into place.
Take care not to trap the string with a tab.
- The string is for preventing the adapter cover from falling off. Make sure it is attached to the connector secure lock for use.

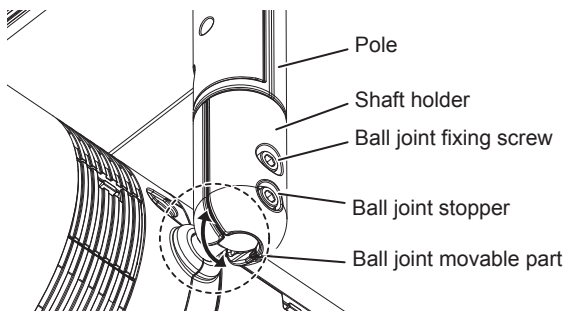
5) Attach the adapter cover.

- While aligning the protrusion at the bottom centre of the adapter cover with the groove (i), push the tabs on the left and right at the top of the adapter cover into the holes until they click into place (ii).
Take care not to trap the string in the adapter cover.

Installation (continued)

Adjusting the projection position

This section describes determining the projection position by adjusting the orientation of the main unit of the projector.

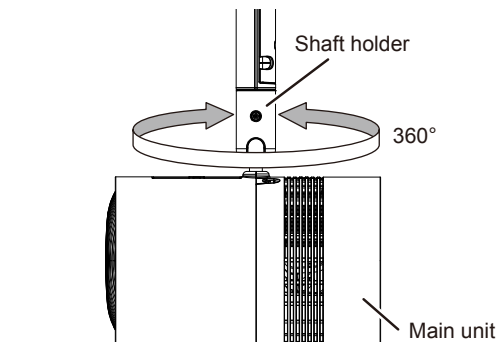


1) Loosen the ball joint fixing screw of the projector.

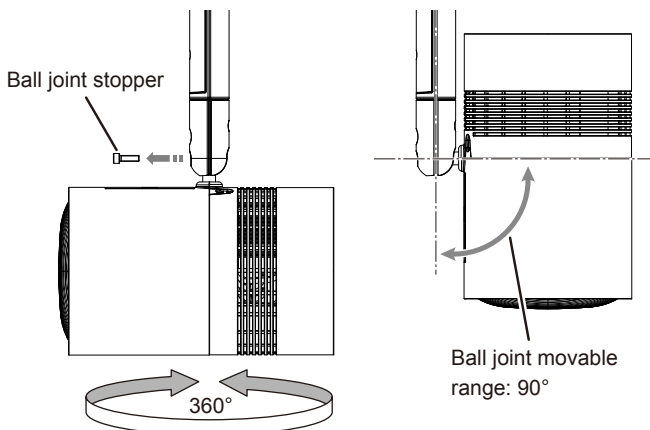
- Loosen the ball joint fixing screw of the projector with the allen wrench (5.0 mm (3/16") across flats) supplied with the projector.

2) Adjust the orientation of the main unit.

- After the ball joint fixing screw is loosened, the shaft holder can rotate 360°. Turn the shaft holder and orientate the ball joint moving part to the desired direction of the main unit.



- After unscrewing the ball joint stopper, the ball joint can move freely. The main unit can rotate 360° and the ball joint movable part can be set 90° with the main unit.



3) Tighten the ball joint fixing screw.

- While supporting the main unit, securely tighten the ball joint fixing screw with the allen wrench (5.0 mm (3/16") across flats) supplied with the projector.

Attention

- The main unit and power supply unit of the projector are connected by a cable or alike. Do not rotate and change the tilt of the main unit more than necessary.
- When adjusting the projector orientation with the cable connected, check that the cable is not broken.
- When loosening the ball joint fixing screw with the pole being held by hand, take care to avoid the hand(s) or fingers being pinched between the pole and the main unit.
- Keep well of the removed ball joint stopper for future use.

Note

- After making rough adjustments, adjust the projection position, focus, and projection screen size by referring to the operating instructions of the projector while actually projecting images. If necessary, also correct any keystone distortion.

Specifications

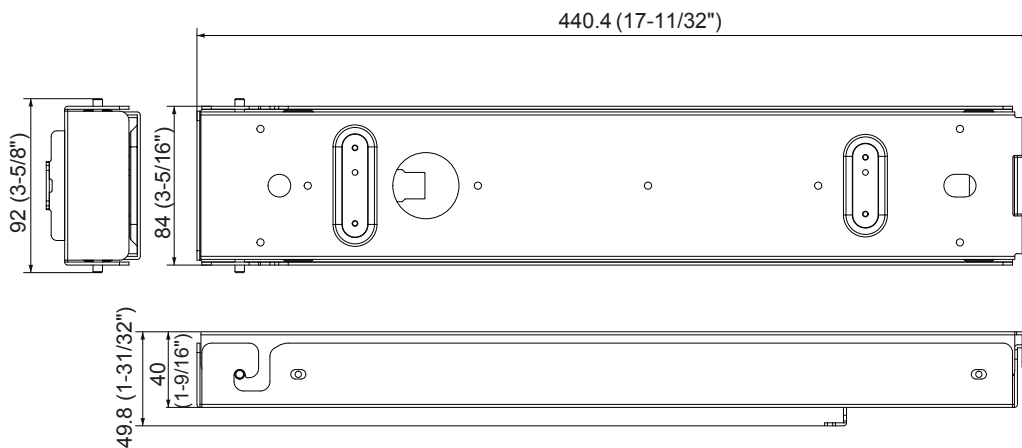
Dimensions*1	Width: 84 mm (3-5/16") Height: 40 mm (1-9/16") Depth: 440.4 mm (17-11/32")
Weight	1.3 kg (2.87 lbs.)
Outer color	ET-JPC200BK: Black (for use in combination with PT-JX200FBK)
	ET-JPC200WK: White (for use in combination with PT-JX200FWK)
Power cord length	2.0 m (78-3/4")

*1 : The dimensions are measured with this product being separately assembled, exclusive of the protrusion, power cord or adapter cover.

External dimension diagram

The dimensions are measured when the attachment plate and the projector mount bracket are mounted together.

Unit: mm

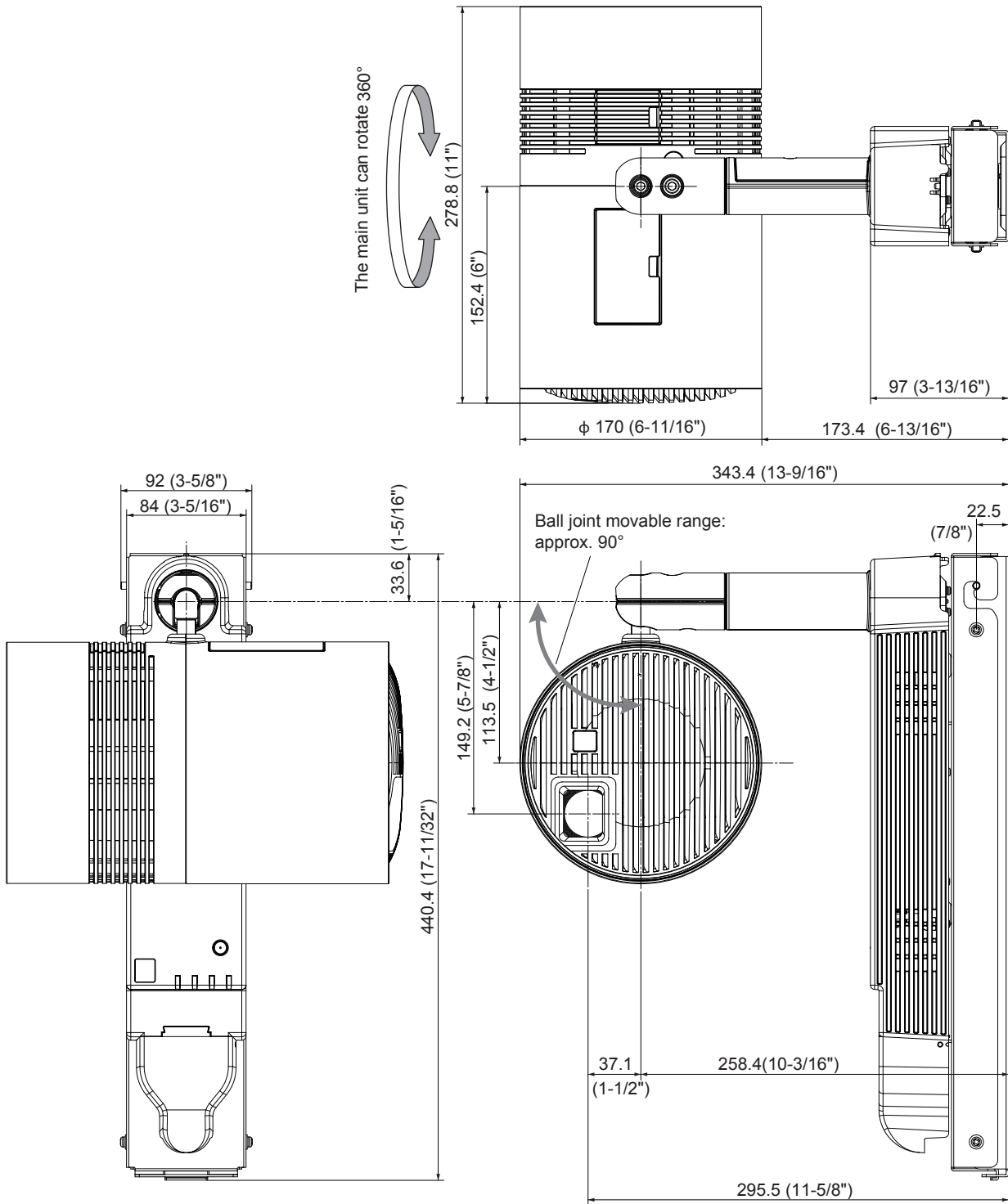


Specifications(Continued)

Assembly dimension diagram

These dimensions are indicated when this product is mounted to an optional projector (product number: PT-JX200FBK / PT-JX200FWK).

Unit: mm



Panasonic Connect Co., Ltd.

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T10217JG1062 -PT
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