Hisense

INSTALLATION GUIDE

Hisense Laser TV Display Screen

Before you install this product, read this guide completely and make sure you understand all of the content.

ENGLISH

Product Description

The Hisense Laser TV Display Screen has a bezel trim and is designed to be used in rooms where the ceiling light cannot be moved.

Maintaining the Screen

Dust, dirt and scratches on the screen will affect how images appear. Follow the instructions below to properly maintain the screen.

1) The screen surface has a horizontal structure. **DO NOT** wipe the screen up and down or in a circular motion.

   Wipe from left to right only.

2) Clean the dust on the screen surface with a soft brush or microfiber cloth. A rough towel or cloth might damage the surface.

3) Gently wipe the screen with a moistened microfiber cloth with mild soap diluted in water.

IMPORTANT:

Take heed to the following precautions at all times in order to avoid damaging the screen. It is not covered under warranty.

• Don't **touch** the screen material to avoid leaving fingerprints. *Use gloves when handling the material.*

• Don't **scratch** the material, as it will leave permanent markings on the screen's surface.

• Don't **point** to the screen material with a fingertip or other sharp objects to prevent damage to the material.

• Don't use acetone, benzene, alcohol and any other organic solvents to clean the screen material. Using such chemicals will permanently damage the screen.
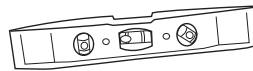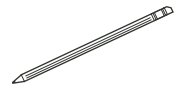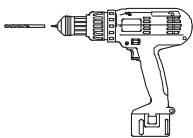
Required Tools to Install the Screen
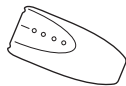
Tape measure	Stud finder	Level	Pencil
Screwdriver with 5/16"(8mm) drill bit for wood stud	Hammer for concrete anchors	Phillips screwdriver	Tape

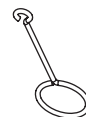## Hardware and Parts List for Screen Mounts

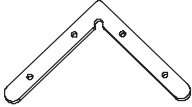|			
ST5.5x70 Screws (x4)	M3x6 Screws (x6)	Hanging component (x2)	Handle (x2)
Bracket wands (x2) 460mm	Bracket wands (x2) 500mm	Bracket wands (x2) 269mm	Velcro strips (x4)
Drill bolt 8 x 60, Polyamide 6 (PA6) (x4)	Paper template (x1)		
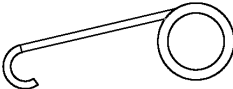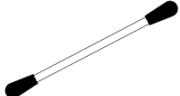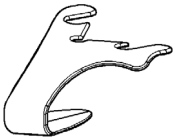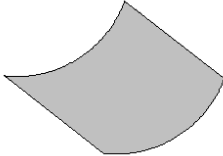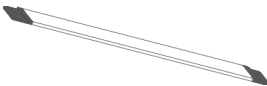
Hardware and Parts List for Screen

Make sure you have all of the parts shown below before you begin the installation procedure.

No.	Name	Picture	Qty.	No.	Name	Picture	Qty.
A	Elbow Joints (the side with an arc edge is front)		8	B	Horizontal Frame (Spring inserted into the frame already)		1
C	Left/Right Vertical Frame(Spring inserted into the frame already)		2	D1	Vertical Edge Trim (short)		2
D2	Top Edge Trim (long)		1	D3	Bottom Edge Trim (long with logo)		1
E	Upper Frame Assembly		1	F	Bottom Frame		2
G	M3x6 Screws		20	H	M5x6 Screws		32
I	ST5.5x70 Screws (from the hardware and parts list for screen mounts)		4	J	M5x14 Screws		4
K	Spring Hook		2	L1	Long Fiberglass Rod		2
L2	Short Fiberglass Rod		2	M	Corner Sleeve		4
N	White Gloves (for screen installation)		4	O	Cloth Liner for Assembly		1
P	StarBright CLR® Material		1	Q	Support Rod		1

Frame Assembly

Note:
The installation space should be at least 5m x 3m(196 7/8 inches x 118 1/8 inches).

≥5m (196 7/8 inches)

≥3m (118 1/8 inches)
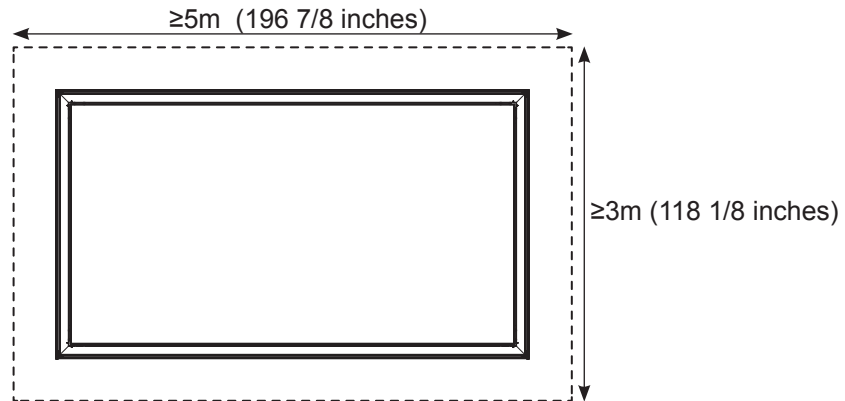
Place the Cloth liner(O) sponge on clean area on the ground to assemble the screen.

1. Insert the bottom beam(F) into the bottom horizontal frame(B) as shown below to the position between two location labels and fasten the M5x14 Screws (J).

B

F

B

F

J   F   J   J   F   J

B

B   F
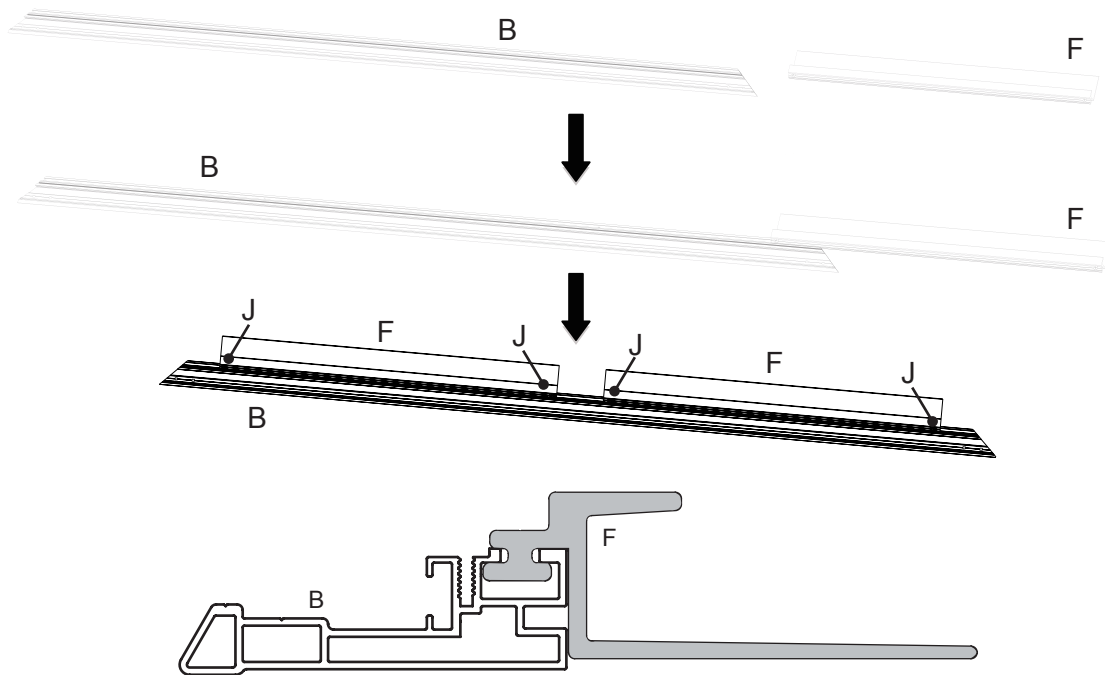
2. Insert the *elbow joint (A)* (front side is up))into each end of the *horizontal frame (B) and upper frame assembly (E)* as shown below.

B/E

A   A

B/E

A   A

Sliding chute 2

Sliding chute 1

A

A

A   Sectional view of B/E
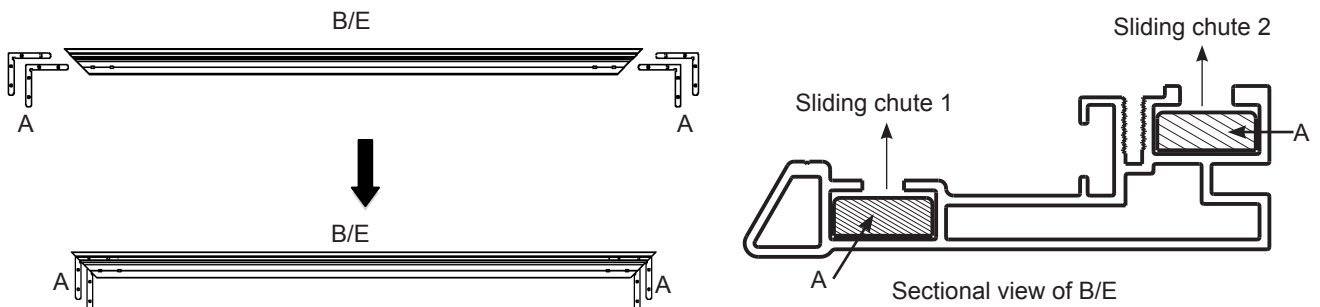
3. Insert the two vertical short frames (C) into the elbow joint (A) as shown in the diagram below.
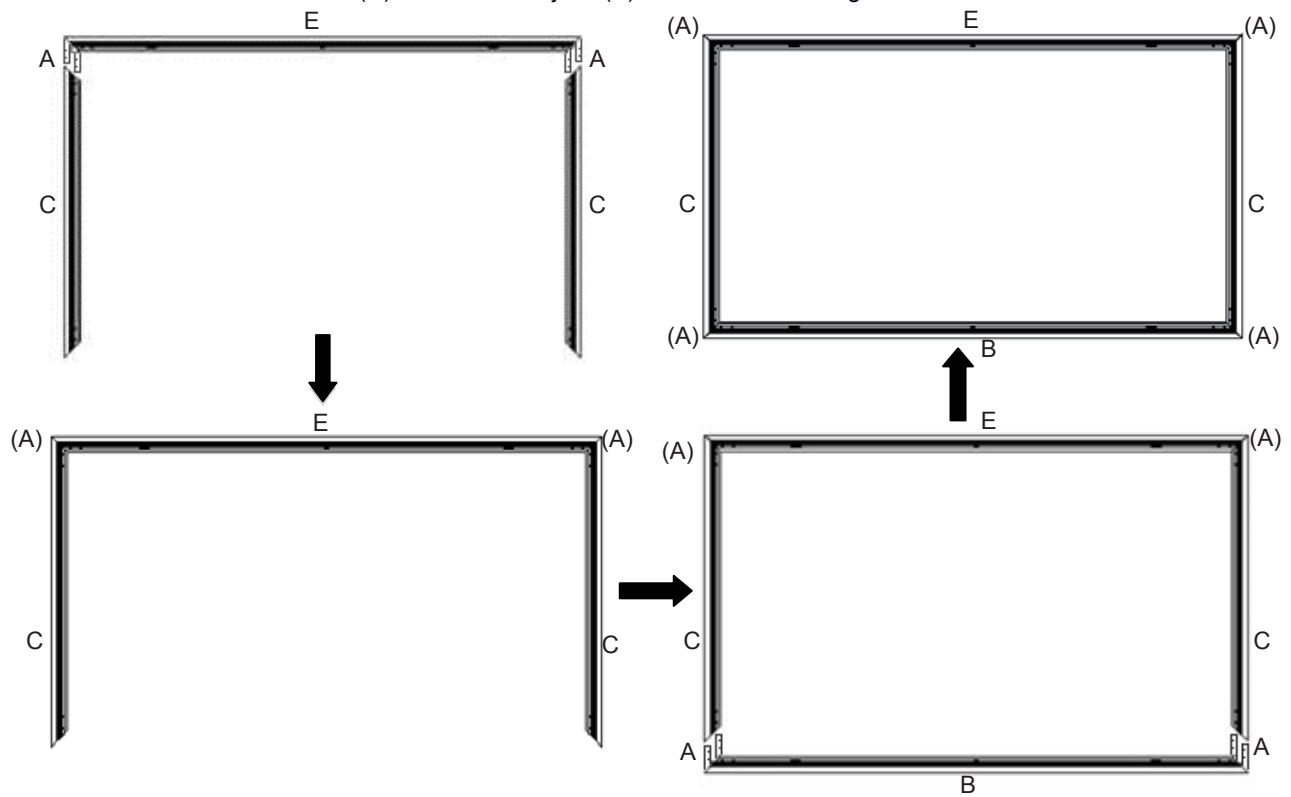
4. Next, fasten the four angles with the M5x6 Screws (H).

Make sure all four corners are properly in place to form a perfect square.

M5x6 Screws
(H)
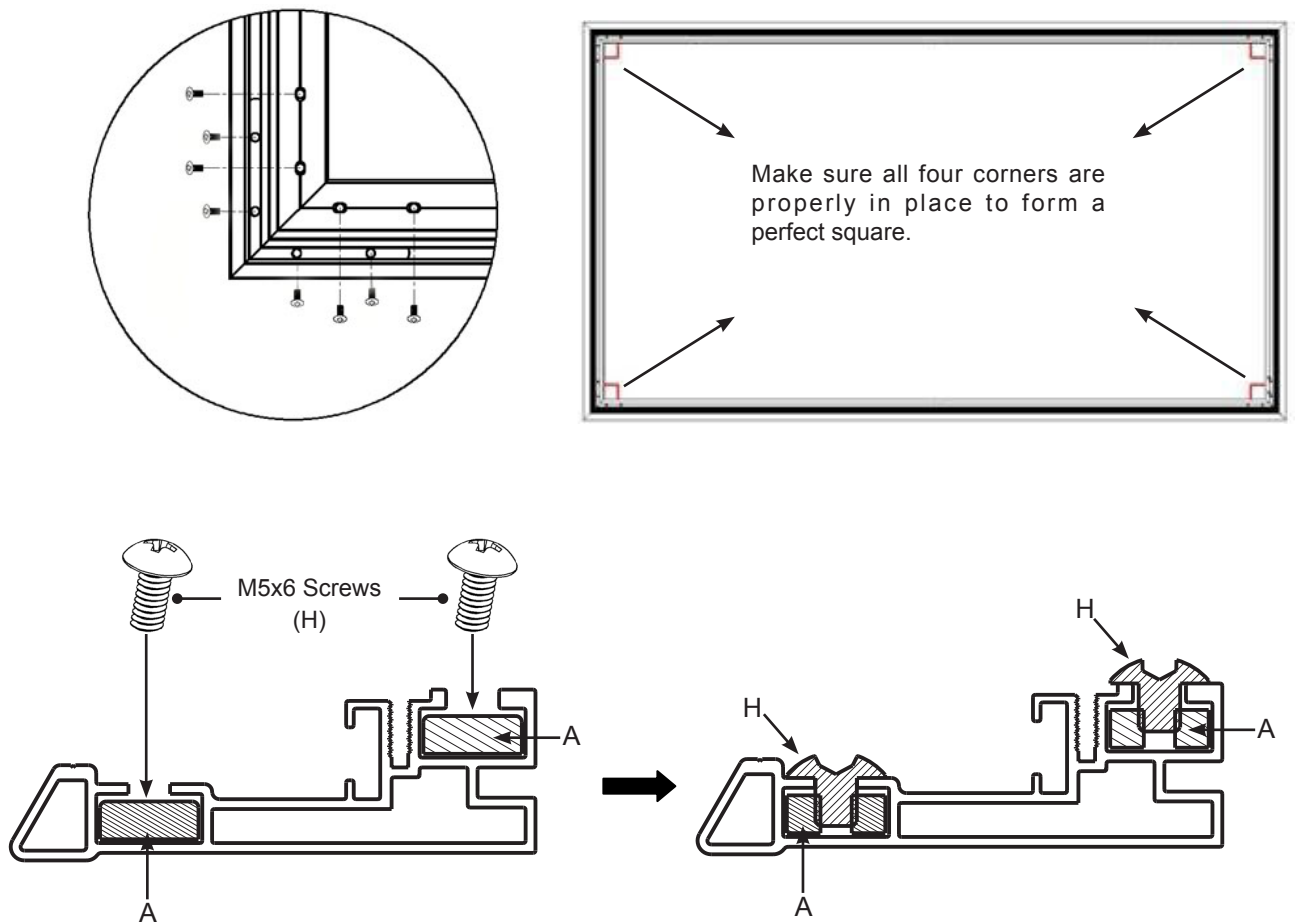
Screen Material Installation

Please read this important note before proceeding with the installation process of the material:

Before handling the StarBright CLR® material(P), put on the supplied pair of white gloves(N) to avoid leaving fingerprint marks, dust or oil from your hands on the surface of the material(Figure 1). The StarBright CLR® material(P) is very delicate and should be handled with extreme care. Do not allow the material to fold or bend.Failure to follow instructions will result in permanent damage to the screen material, which is not covered by warranty.

1. Remove the StarBright CLR® material(P) from the packaging tube and set it gently on a clean surface.

   Tip: Carefully put a small flat weighted object at the edge to prevent it from moving out of place.

   Please keep the front of the material face down.

2. It is strongly recommended for two people to unroll the material to prevent the screen from bending or rolling unevenly. Each person should hold one end of the roll and slowly unroll the screen in a clockwise direction (Figure 2). Tip: Check the **DOWNSIDE** label on the material.

3. Lay the material completely flat with the front facing down on a clean surface in a horizontal position (Figure 3)
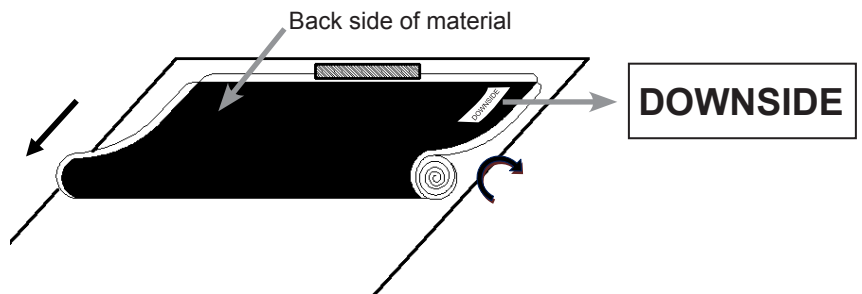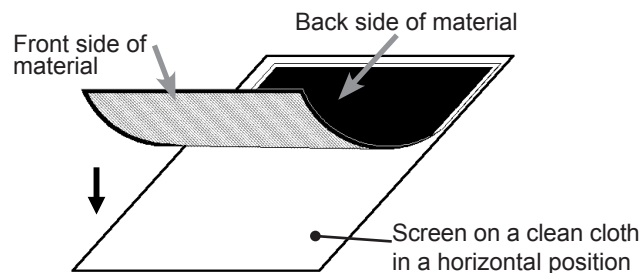
Back side of material

DOWNSIDE

Figure 1

Figure 2

Front side of material

Back side of material

Screen on a clean cloth in a horizontal position

Figure 3

4. Insert the long and short **fiberglass rods (L1,L2)** through the openings. The **long fiberglass rods(L1)** are used on the vertical edges of the screen material, and the **short fiberglass rods(L2)** are used on the horizontal edges, as shown below.

L1

L2

L2

L1
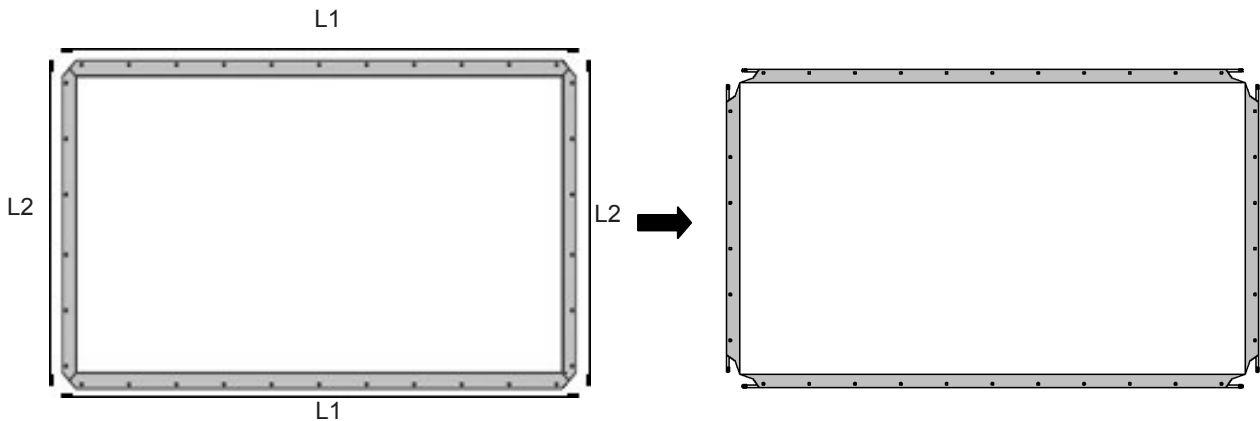
5. Carefully and gently place the assembled frame on top of the screen material.Align the screen material corner with the corner of assembled frame as the diagram below. In order to avoid puncturing the material, do not allow the angled edge of the frame to come in direct contact with the screen.

Top

E

component of B and F

down
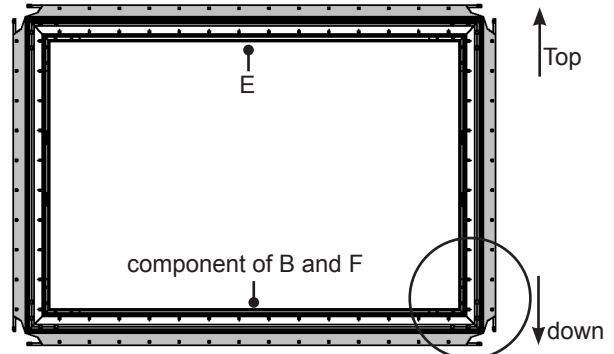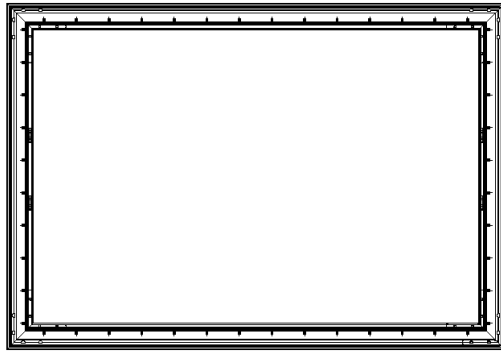
*Tip:*Make sure the back of the screen material is facing up as shown in this illustration.

E

B

F

component of B and F

Align the corner
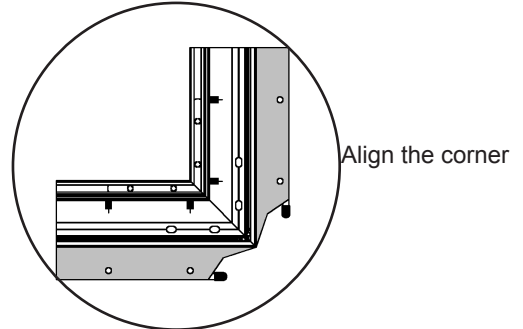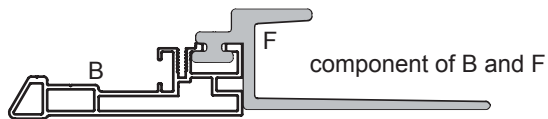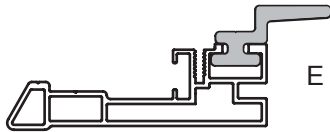
6. With one of the springs securely inside the groove of the frame, use the *spring hook(K)* to attach the spring to the hole located on the outer edge of the screen material.
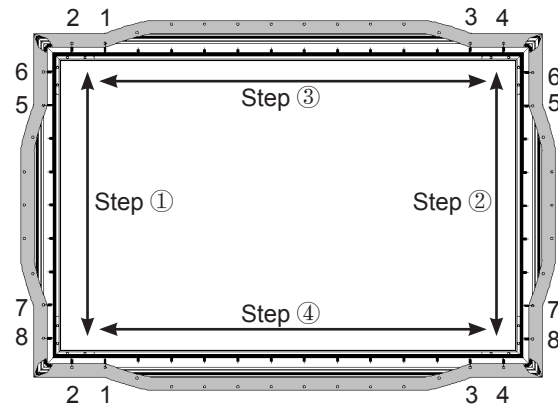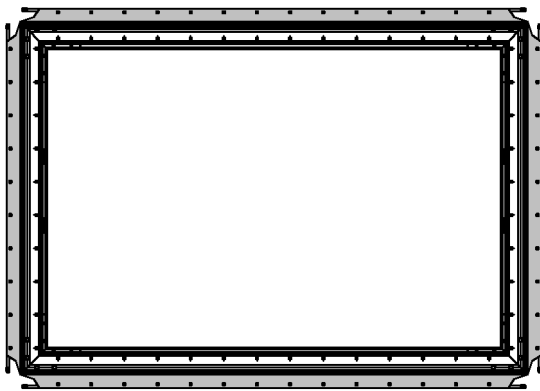
1) Attach the four corners first. Two people should use the *spring hook (K)* to attach the spring to the hole located on the screen material's outer edge in the order of 1-1→2-2→3-3→4-4, then 5-5→6-6→7-7→8-8,

2 1   3 4

6   6
5   5

Step ③

Step ① Step ②

7   7
8   8

Step ④

2 1   3 4

Correct material corner installation:

Spring Hook(K)

StarBright CLR®
Material(P)   Fiberglass Rod(L)
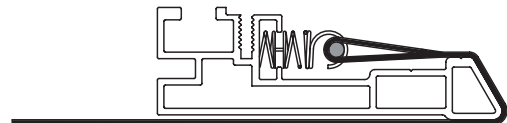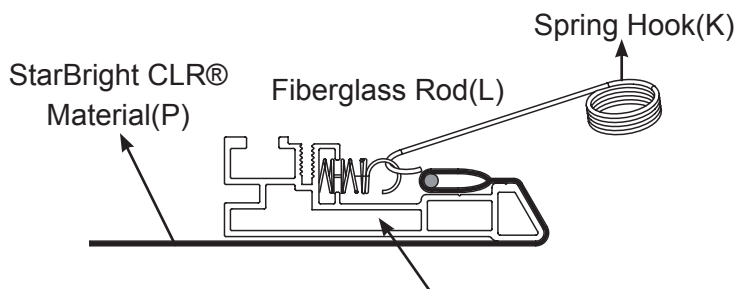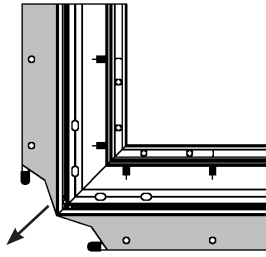
Stretch the screen material in the direction of the arrowhead.
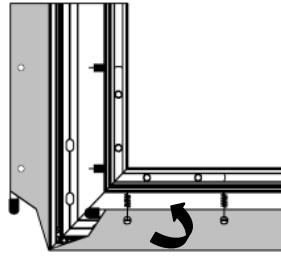
Use the *spring hook (k)* to attach the 2 springs to the hole located on each side of the screen material's outer edge.
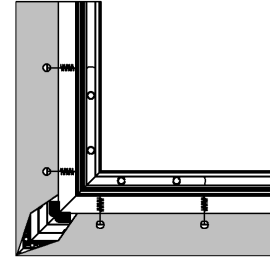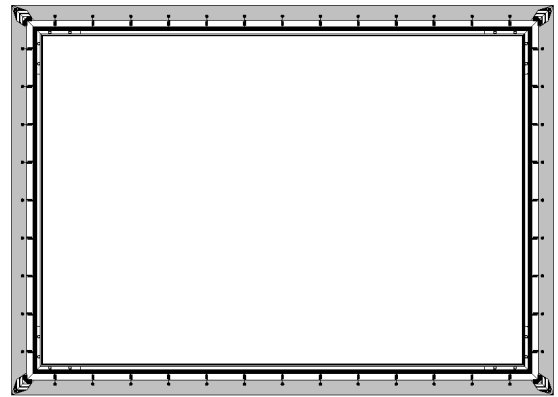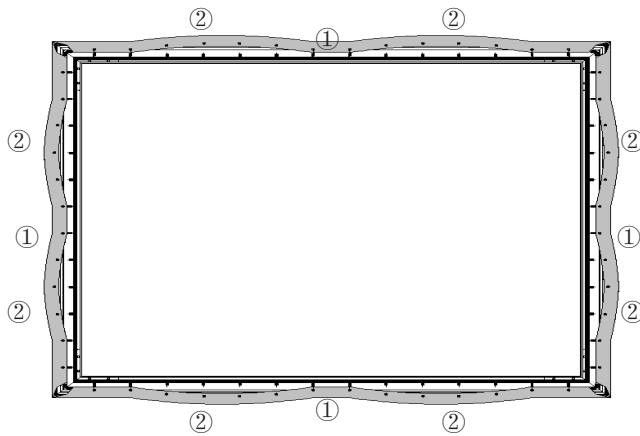
Repeat until all of the springs are installed.

2) After you've installed the corner of the material, assemble the spring in the order ① → ② shown below.

Edge Trim Installation

1. Place the Edge Trim(D) along the four edges of the screen material corner. (Note: The logo should be positioned on the bottom frame).

2. Place all the trim pieces along the edge of screen material. Adjust the trim so that the top and bottom trim pieces are touching and show no gaps in the center. Align the M3x8 Screws(G) with hole B as shown in the illustration below. Next, insert the screws in B tightly. (Note: When installing edge trim, do not install the screen protective paper, foam, nonwovens or other materials into the screen edge.)
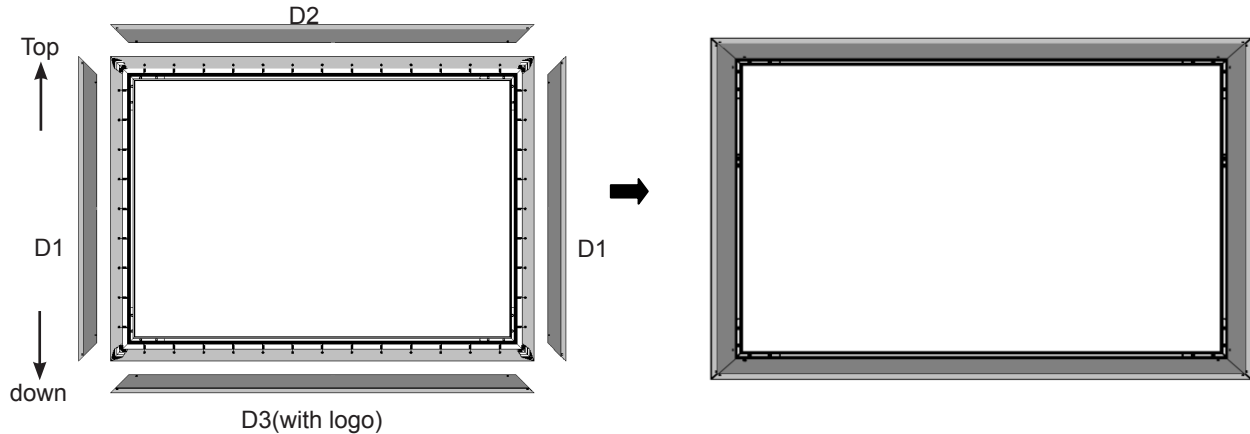
Correct Edge Trim corner installation:
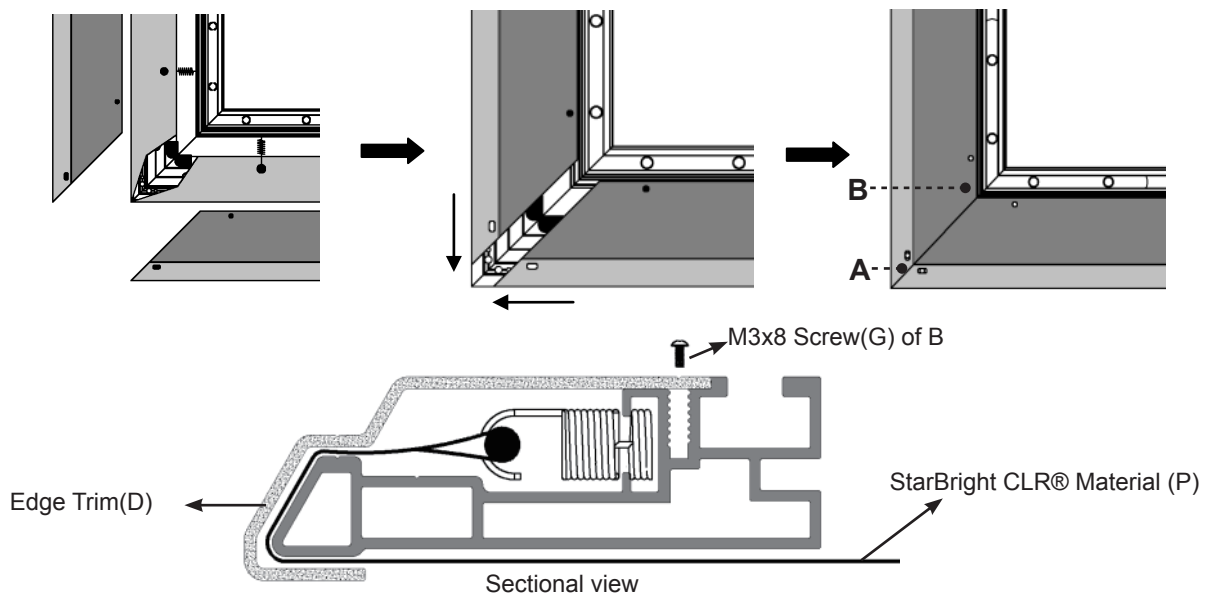
Align the *Edge Trim(D)* with the Frame corners and the holes.

3. Place the *corner sleeve(M)* on the four corners. When the *corner sleeve(M)* fits the *edge trim(D)* completely, then tighten the screws into hole A .

4. Slant the support rod and make it clip into the groove of upper and bottom frames. Make one end of the rod stay still and push the other end to the center until support rod is perpendicular to the frames.
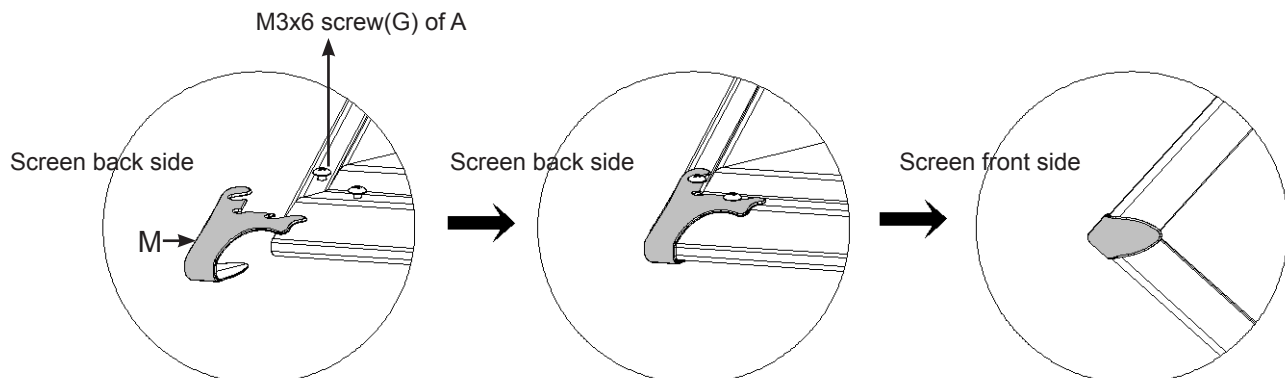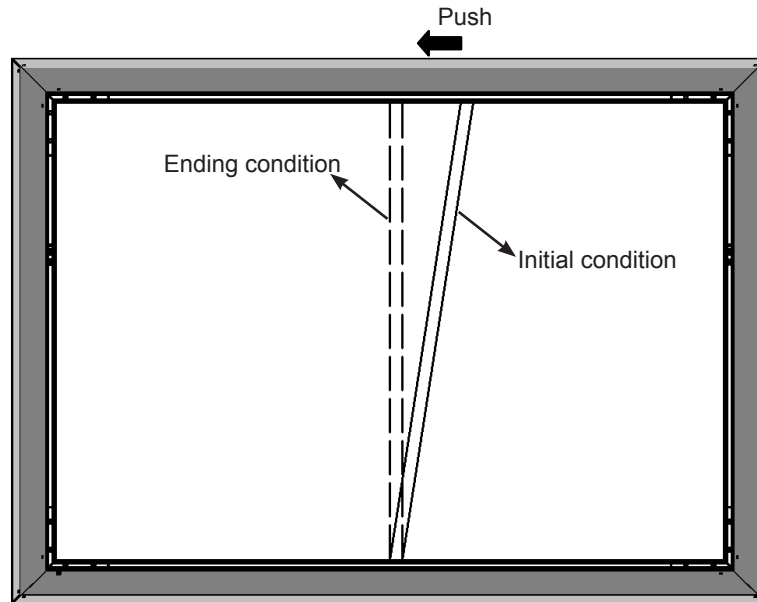
Push

Ending condition

Initial condition

5. Look down on the screen, if the material is black it is in the correct direction and ready for mounting on the wall. However, if the material is white, turn around the screen and then install it.

When you are finished, the front and back of the screen should appear as shown below.

Front side

Back side

Hisense
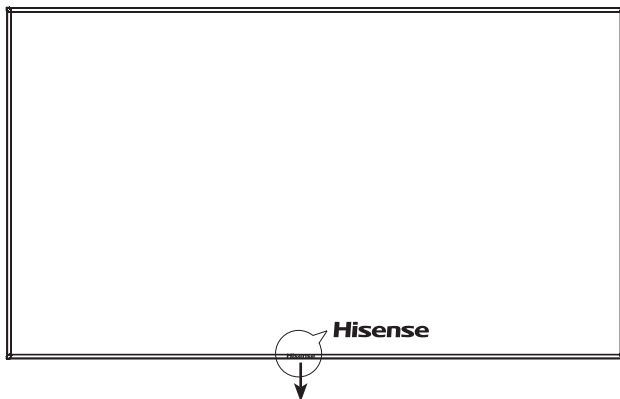
Logo on Bottom Edge Trim
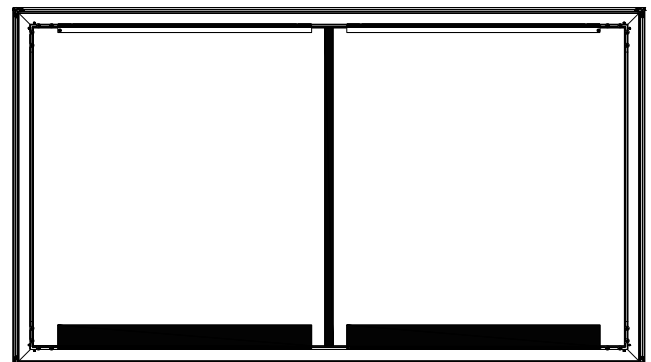
NOTE:

There are also "Top" and "Bottom" labels on the back of the screen material to help distinguish the correct direction. Please make a note of this.

Installing the Wall Mount Brackets

Check the Type of Wall You Have

Drywall with studs?

Perfect!

Solid concrete or concrete block?

Perfect!

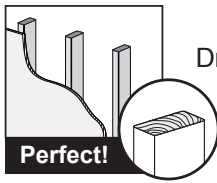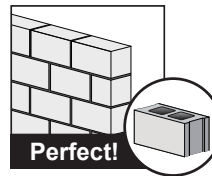Minimum wood stud size: common 2 x 4 in. (51 x 102 mm) nominal 1½ x 3½ in.
(38 x 89 mm)

Minimum solid concrete thickness: 8 in. (203 mm)
Minimum concrete block size: 8 x 8 x 16 in. (203 x 203 x 406 mm) Place screen onto the wall-mount brackets.

Prepare Your Space

CHECK THE SIZE OF YOUR SPACE

. Width ≥ 110 inches (2.8m)

. Height ≥ 78 3/4 inches (2m) from the installation surface to the ceiling.

. For the optimal viewing experience, we recommend a minimum viewing distance of 120 inches(3m) from the screen.

RECOMMENDED SIZE FOR YOUR TV STAND

We recommend that you place your Laser TV on a TV stand that is at about 20 inches(50cm) tall and wide enough to hold the TV.

W≥110 inches (2.8m)

paper template

H3=70 1/4 inches (1.785m)

H2=73 inches (1.85m)

H1≥78 3/4 inches (2m)

H=15 7/8 inches (0.403m)

L1=12 5/8 inches (0.319m)

TV stand height
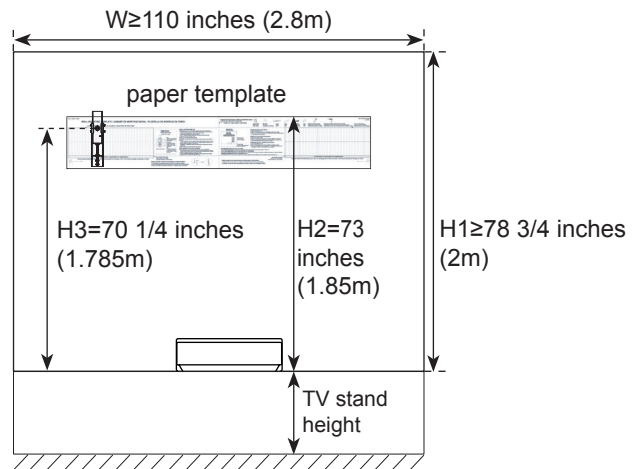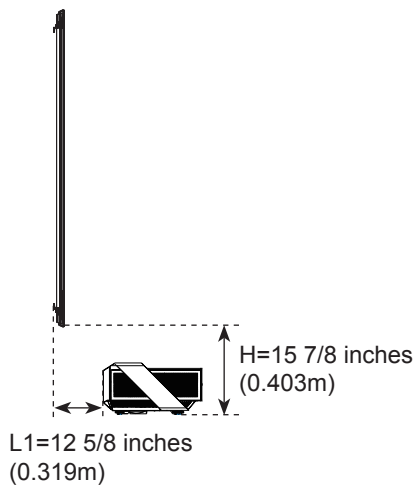
Connecting the Wands

Connect the wands as shown in the illustration below.

Install the Wall Mount Brackets

NOTE: Make sure you have your paper template, pencil, tape and screwdriver.

1. Starting from the top of your TV stand, add 73 inches(1.85m) above it to get the height of the top of the paper template. Mark the height onto the wall.
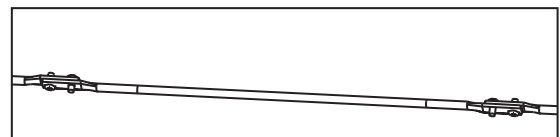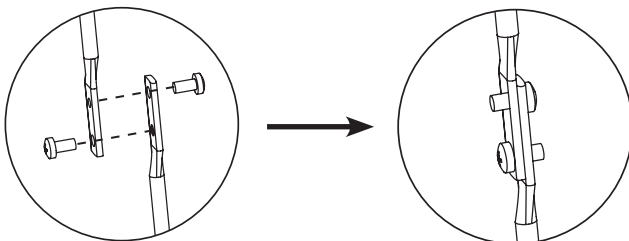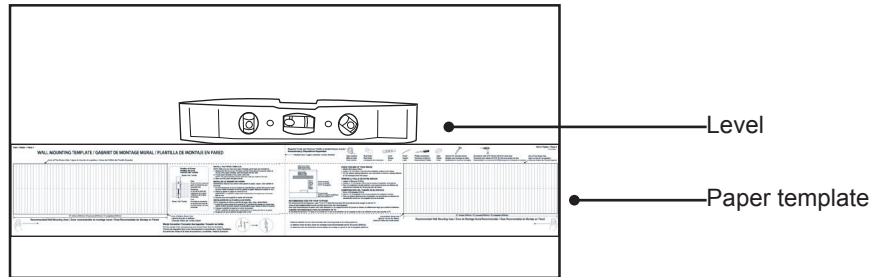2. Put the paper template on the center of the wall.
   NOTE: The paper template should match the mark you made on the wall.
3. Make sure the paper template is level.

Level

Paper template

IF YOU HAVE A DRYWALL WITH WOOD STUDS

NOTE: Make sure you have your stud finder.

4. Use a stud finder to find the studs in the areas on the paper template, and mark the center of the studs with a pencil. Following the vertical line on the paper template, mark where the bottom screws should be within the proposed area.
5. On the marks, drill the holes for the four screws.
6. Remove the paper template and install the brackets with the screws. Firmly tighten the screws.
   NOTE: Hold the bracket in place when tightening the screw to keep the bracket from shifting.

Drill the holes

Install the brackets with the screws
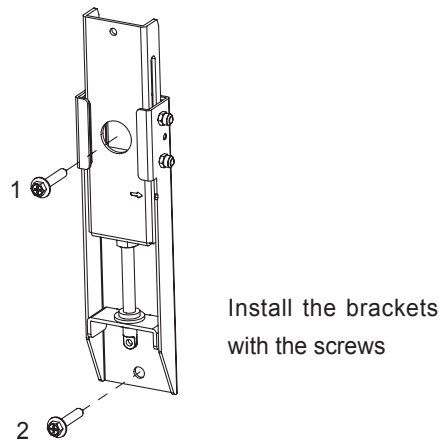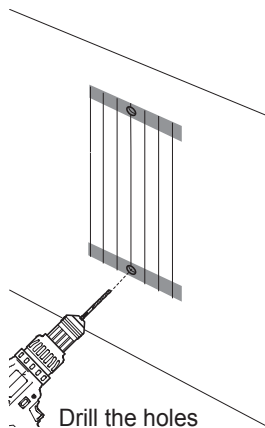
IF YOU HAVE A SOLID CONCRETE OR CONCRETE BLOCK WALL

NOTE: Make sure you have your concrete anchors and hammer.

4. Drill holes for the top screws. Following the vertical line on the paper template, drill holes for the bottom screws within the proposed area.
5. Remove the paper template and insert four anchors into the holes.
   Be sure the anchors are flush with the concrete surface.
6. Install the brackets with the screws and firmly tighten them.
   NOTE: Hold bracket in place when tightening the screw to keep the bracket from shifting.

Insert anchors
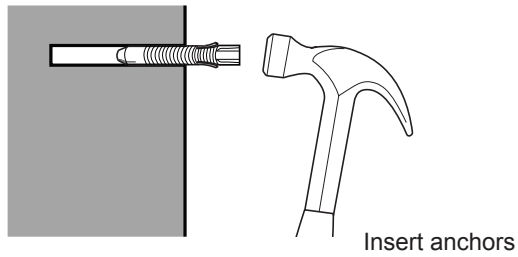
CAUTION: All screws MUST BE firmly tightened to prevent unwanted movement of the brackets. Make sure the brackets are securely fastened to the wall before continuing on to the next step.

7. Attach the upper and lower parts of the wall bracket wands with the screws and bolts. Make sure the two parts are aligned and firmly tighten the screws.

8. Hang the wands on to the wall-mount brackets.
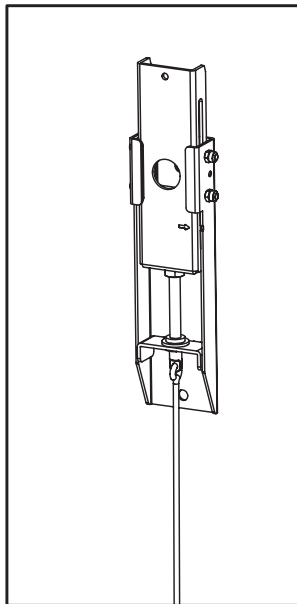
Hang the Screen

1. We strongly recommend that two people handle this screen when moving it. Be sure to use gloves(included) to protect the screen from grease, sweat and dirt.

2. Place the assembled screen vertically on the ground. Look down on the screen, if the material is black it is in the correct direction and ready for mounting on the wall. However, if the material is white, turn around the screen and then install it.
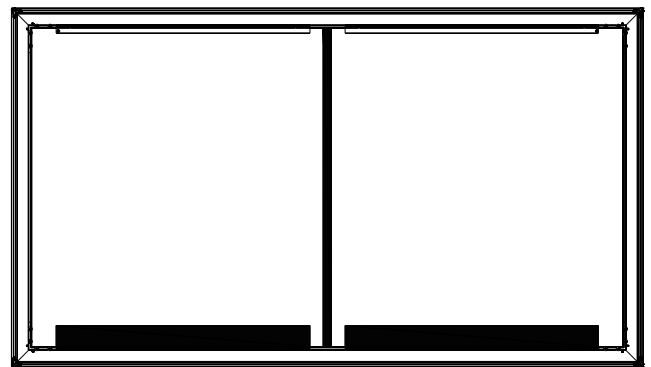
   When you are finished, the front and back of the screen should appear as shown below.

Front side	Back side
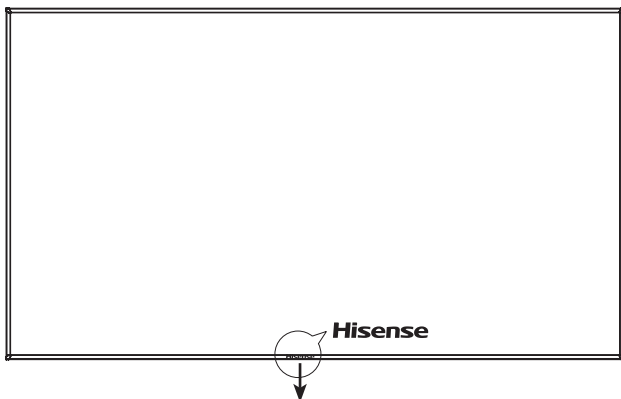
Logo on Bottom Edge Trim

Note: There are also "Top" and "Bottom" labels on the back of the screen material to help distinguish the correct direction. Please make a note of this.

3. Split the release paper on one side of the velcro strips. Paste the velcro strips on the left and right side of the bottom of the screen(on the back side of the screen).

velcro strips
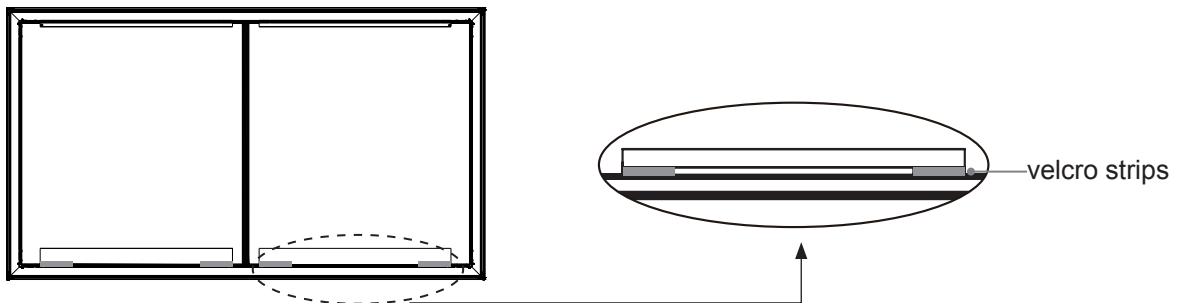
4. Place the screen onto the brackets.

   NOTE: We do not recommend mounting the TV to the ceiling. However if you choose to, then the orientation of the screen will need to be reversed.
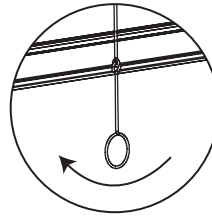
5. Adjust the Height of the Screen

   Attach the handles of the wands on the wall-mount brackets and adjust the height of the screen. Refer to the top border to match the screen to the display image.
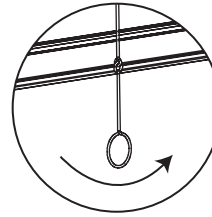
   WARNING:

   Do not look directly at the lens when this device is on because the laser light may damage your eyes!

If the screen is higher than the image, then rotate the wands clockwise and move the screen down.

If the screen is lower than the image, then rotate the wands counterclockwise and move the screen up.

After you've completed adjusting the screen height, remove the handles. Fold and rest the wands on the screen bracket on the bottom of the screen.

6. Make sure the screen is horizontally and vertically level. To prevent the bracket wands from keeping the screen from being vertically level, fold and rest them on the screen bracket on the bottom of the screen (see the diagram).
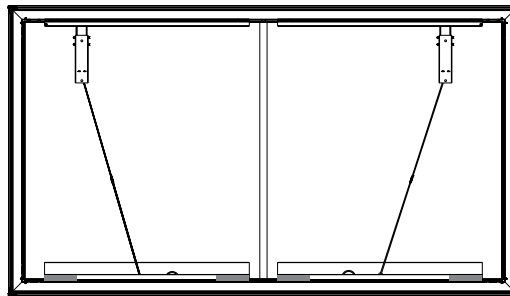
7. When finishing adjusting the positon of screen, split the release paper on the other side of the two velcro strips. Remove the foam support and push the screen to the wall.

Wall

Velcro Strips
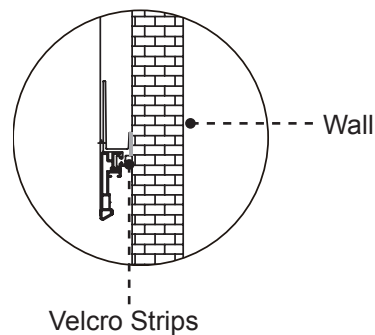
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