



CRYSTAL FLOWERS 2019
Materials and installation -
Sami Supply

Content

- Installing from the technical viewpoint
- Installing materials
 - Wall hanging
 - Mid space installations
 - AV- installations
- Installation caseat EMMA
- Questions and discussion

Installing art

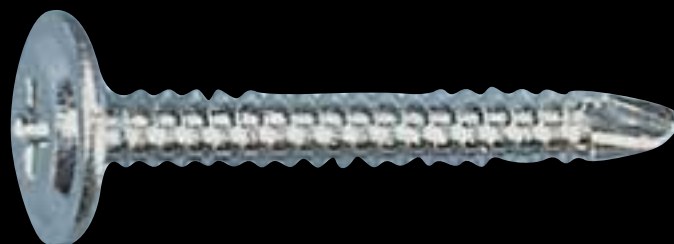
- Safety:
 1. People
 2. Art
- Respecting the artist's intent. Don't let the method of installing become part of the work.
- Advising role for curators

Materials

Wall installations

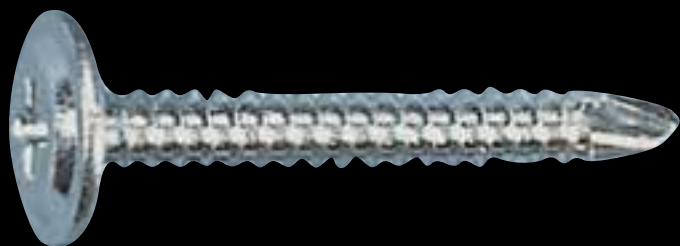


Wall installations



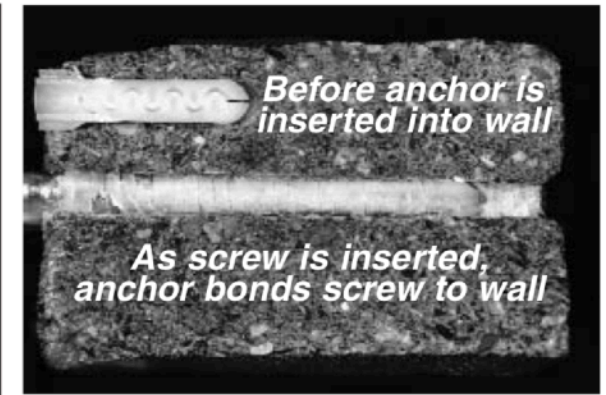
Wronic screw

Wall installations



ULTIMATE TENSILE PULL-OUT VALUES [lb]

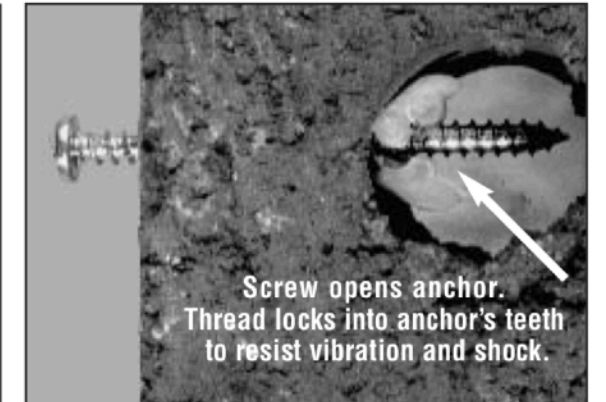
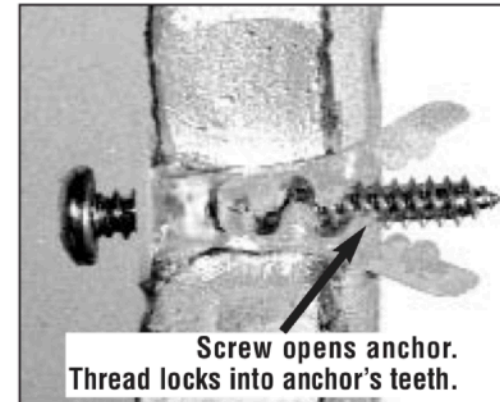
Anchor	Anchor dia.	Drill dia.	Screw Size	1/2" Drywall	3500 psi Concrete	Screw Size	4000 psi Concrete
A5/AF5	3/16"	3/16"	#8 SMS	57	544	#10 SMS	2,316
A6/AF6	1/4"	1/4"	#10 SMS	69	675	#14 SMS	2,633
A8/AF8	5/16"	5/16"	#12 SMS	85	1,025	5/16" Lag	3,083
A10	3/8"	3/8"	#14 SMS	N/A	1,168	3/8" Lag	3,570



In solid walls (concrete, masonry, brick, etc.) the ALLIGATOR anchor extrudes up to **2x its original length** & **bonds the screw to wall**

ULTIMATE SHEAR [lb]

Anchor	Anchor dia.	Drill dia.	Screw size	1/2" Drywall
AF5	3/16"	3/16"	#8 SMS	125
AF6	1/4"	1/4"	#10 SMS	153
AF8	5/16"	5/16"	#12 SMS	171
A10	3/8"	3/8"	N/A	N/A



In hollow walls (drywall, tile over drywall, hollow block, hollow brick, etc.), as the screw enters the hollow space, it opens the jaws of the ALLIGATOR anchor. The screw thread **locks** into the teeth of the anchor to resist vibration and shock.

N/A = Not Applicable
SMS = Sheet Metal Screw

www.toggler.com

Wall installations - on frame/work



Wall Buddies

Wall installations - on frame/work

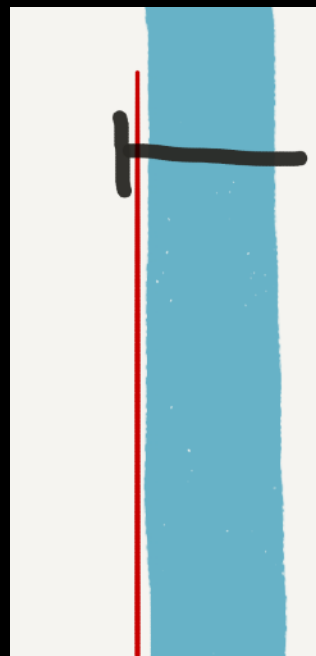


Wall Buddies

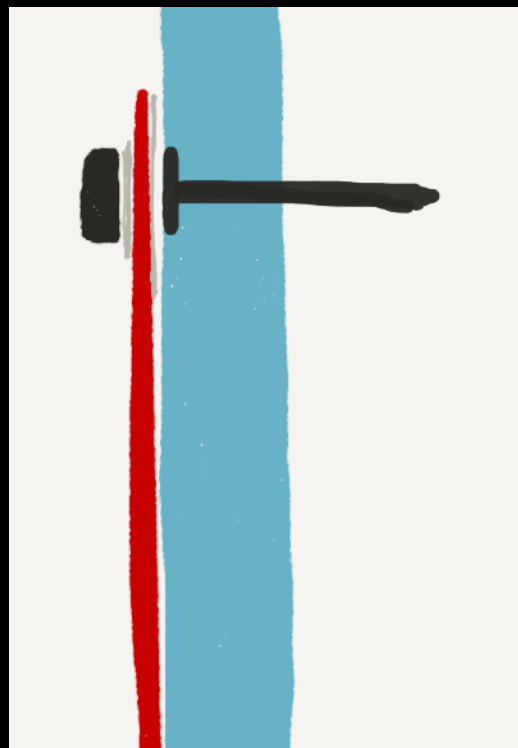
Wall installations - on frame/work



Wall installations - out of the box



Wall installations - out of the box (magnets)

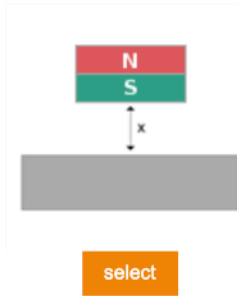


Adhesive Force Calculation

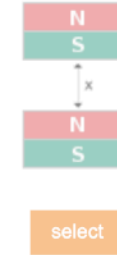
On this page you can carry out adhesive force calculations with the help of articles from our shop or by entering your own specifications. You can find additional information under [FAQ](#).



Magnet - Iron plate



Magnet - Magnet



Magnet

Article

S-15-08-N: Disc magnet Ø 15 mm, height 8 mm, neodymium, N42, nickel...

Shape *

Disc/Rod

The calculation is only available for rotation-symmetric shapes, therefore not for cubes or cuboids.

Magnetisation *

N42

Determines the strength of magnetisation.

The adhesive force can only be calculated for axially magnetised objects.

Ø (mm) *

15

Height (mm) *

8

Distance *

predefined variable

"predefined": Calculation carried out for a predefined distance;

"variable": Calculation carried out for 10 different distances.

For direct contact select fixed distance 0.

Distance (mm) *

1

Iron plate

<https://www.supermagnete.de/eng/adhesive-force-calculation>

Wire installations



Wire installations

Wire installations



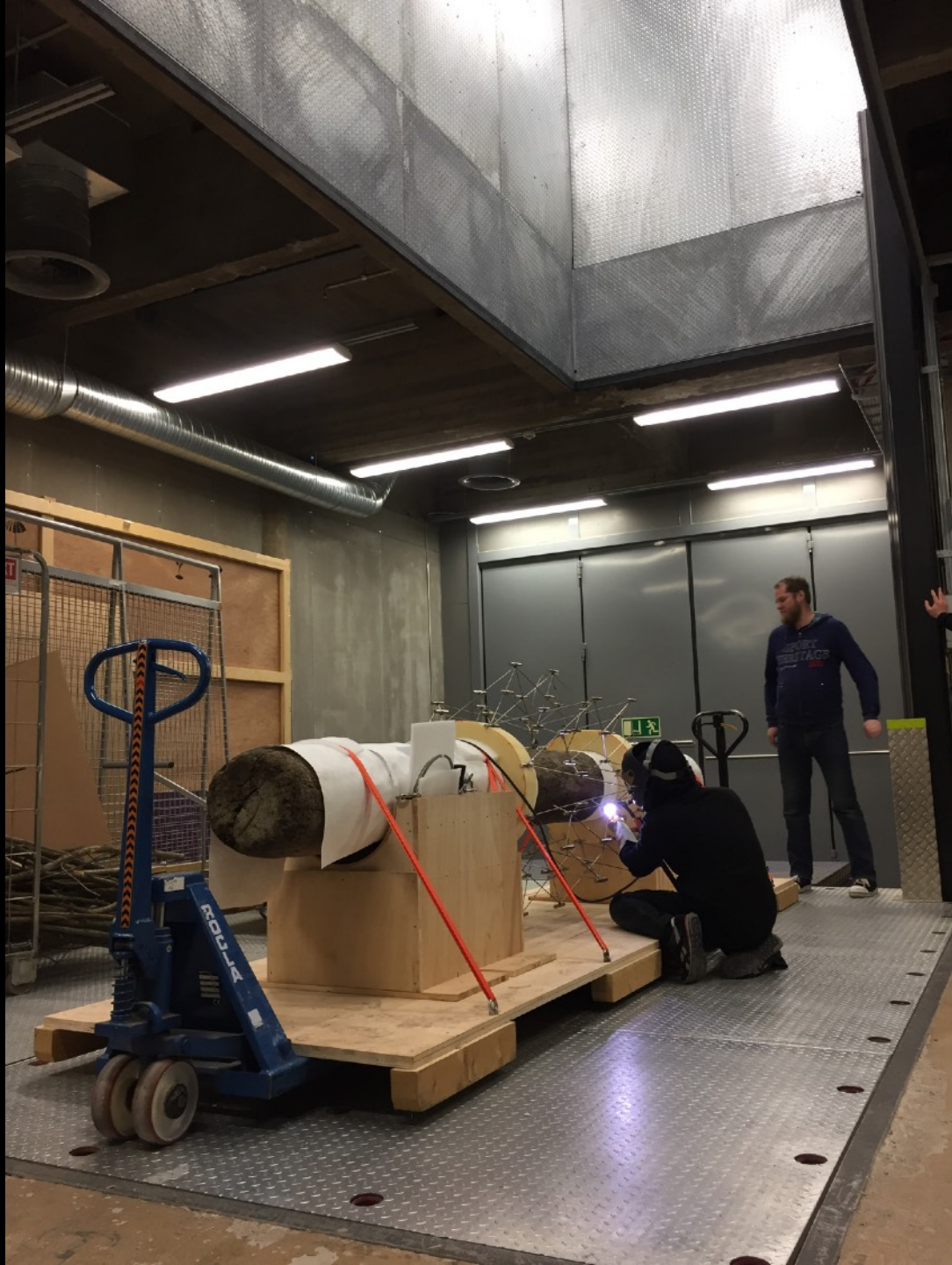
Mid-space installations

- Free standing wall
- Podiums
- Hanging
- Others









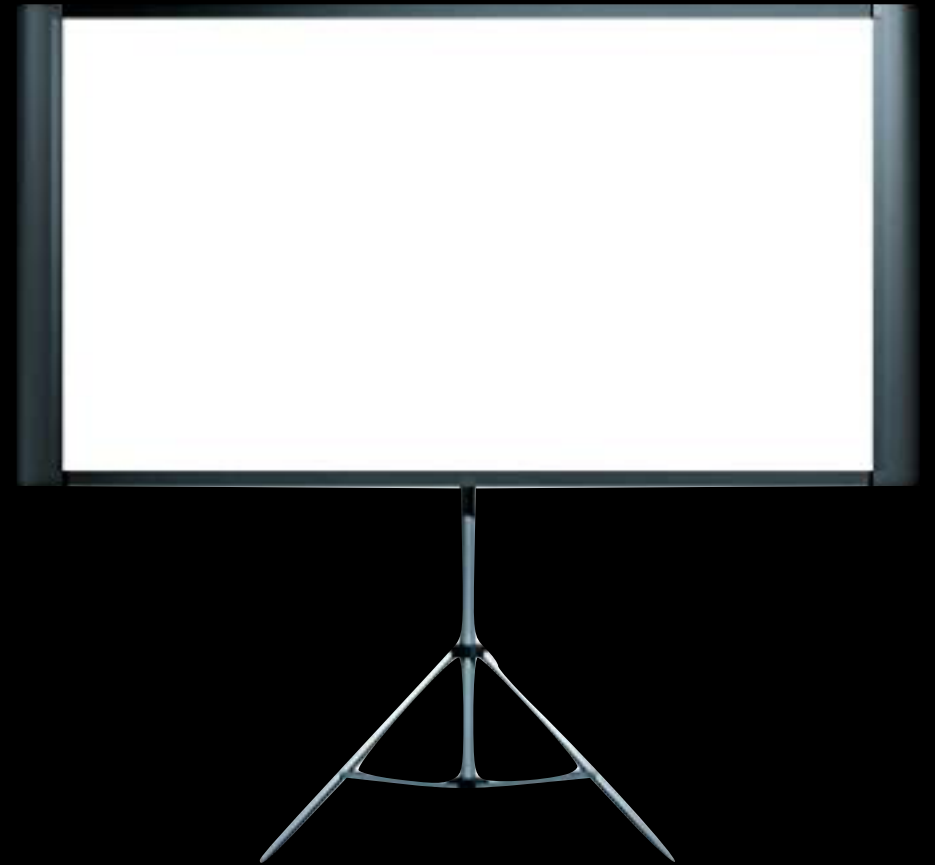


AV-installations

What you need:

- A light emitting source
- A surface reflecting light

AV-installations



AV-installations



AV-installations



AV-installations



AV-installations



Projector Position

Choose the way of how you install your projector

Step 1

Step 2

Step 3

Step 4



Front



Front Ceiling



Rear



Rear Ceiling

Press "OK" to finished setup wizard and start projection



Panasonic PT-RZ970BU — \$13,699 Street Price, \$26,999 MSRP
1920x1200 resolution DLP, 9400 ANSI Lumens, 10000:1 contrast, 1.40:1 zoom, 51.1 lbs

Lens: Standard Lens

Throw Ratio: 1.70 – 2.40, f/1.7 – 1.9



Recommended Seating

165'-10" – 35'-11"



Max Room Lighting

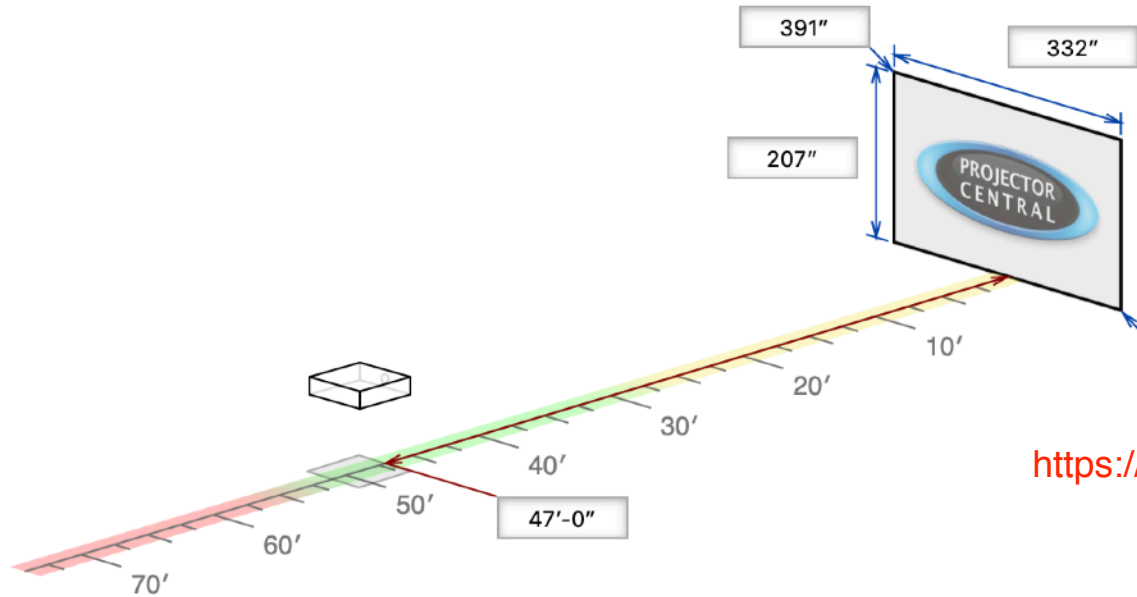
14% (5 fc)



Image Brightness

20 fL

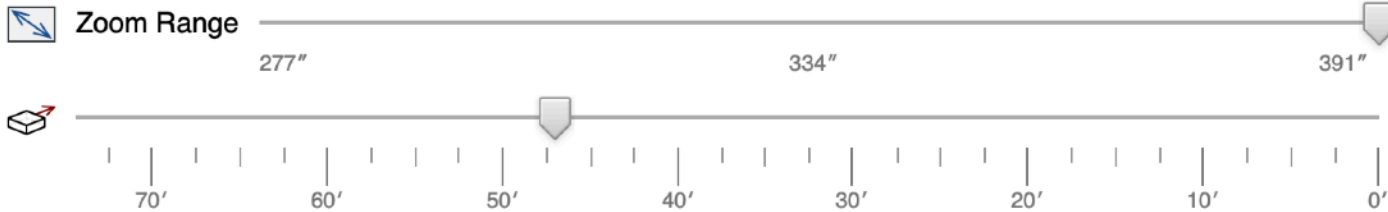
Recommended brightness for low ambient light



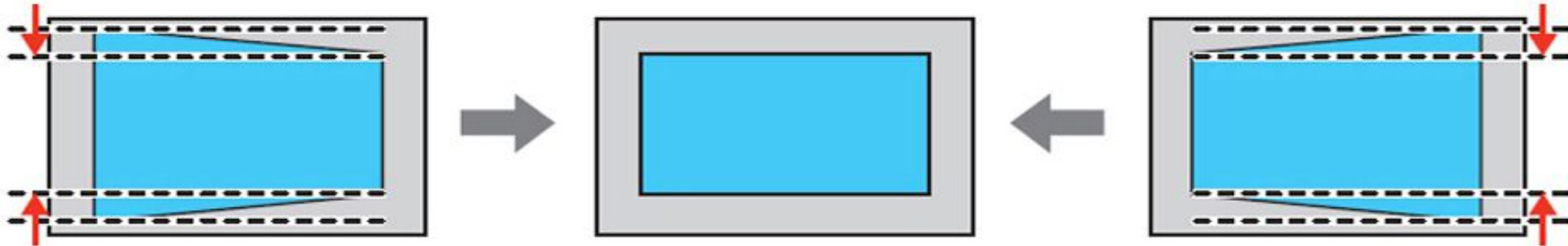
https://www.projectorcentral.com/Barco-F22_sx+-projection-calculator-pro.htm

Screen gain:

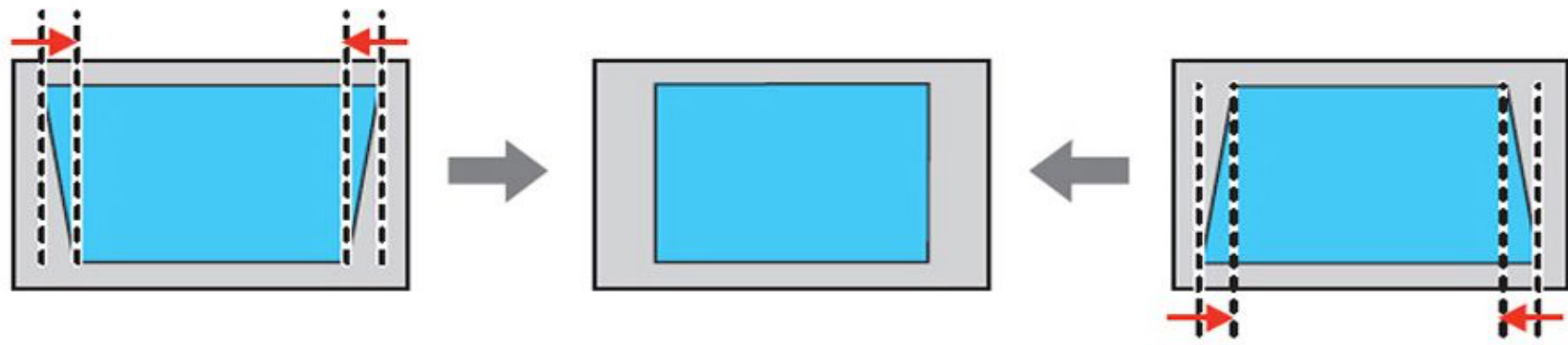
1



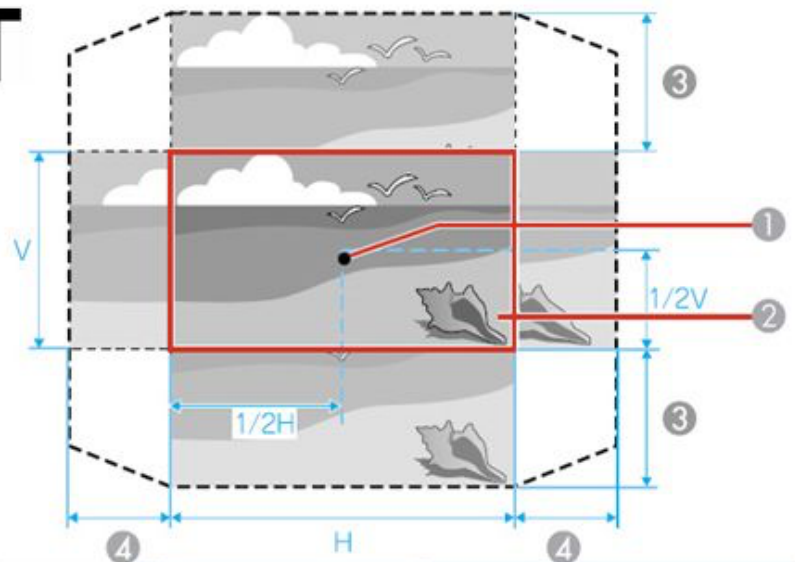
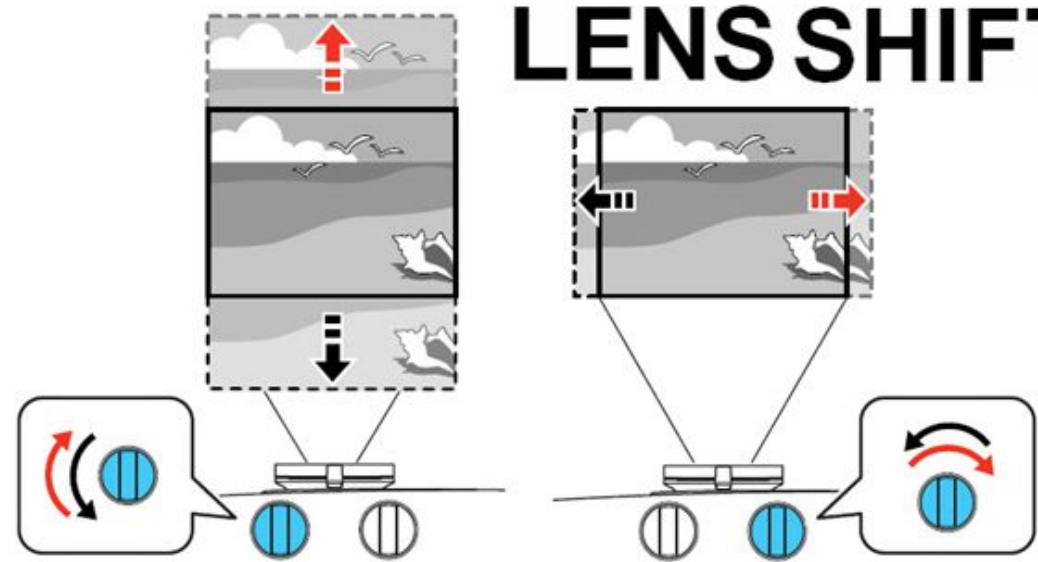




KEYSTONE CORRECTION



LENS SHIFT



Image 

Signal

Settings

Extended

Network

Info

Reset

Color Mode	Bright Cinema	
Brightness	50	<input type="range"/>
Contrast	50	<input type="range"/>
Color Saturation	55	<input type="range"/>
Tint	50	<input type="range"/>
Sharpness		
Color Temp....		
Frame Interpolation		
Image Enhancement...		
Advanced...		
Power Consumption	Medium	
Auto Iris	High Speed	
Reset		

 Select

 Enter

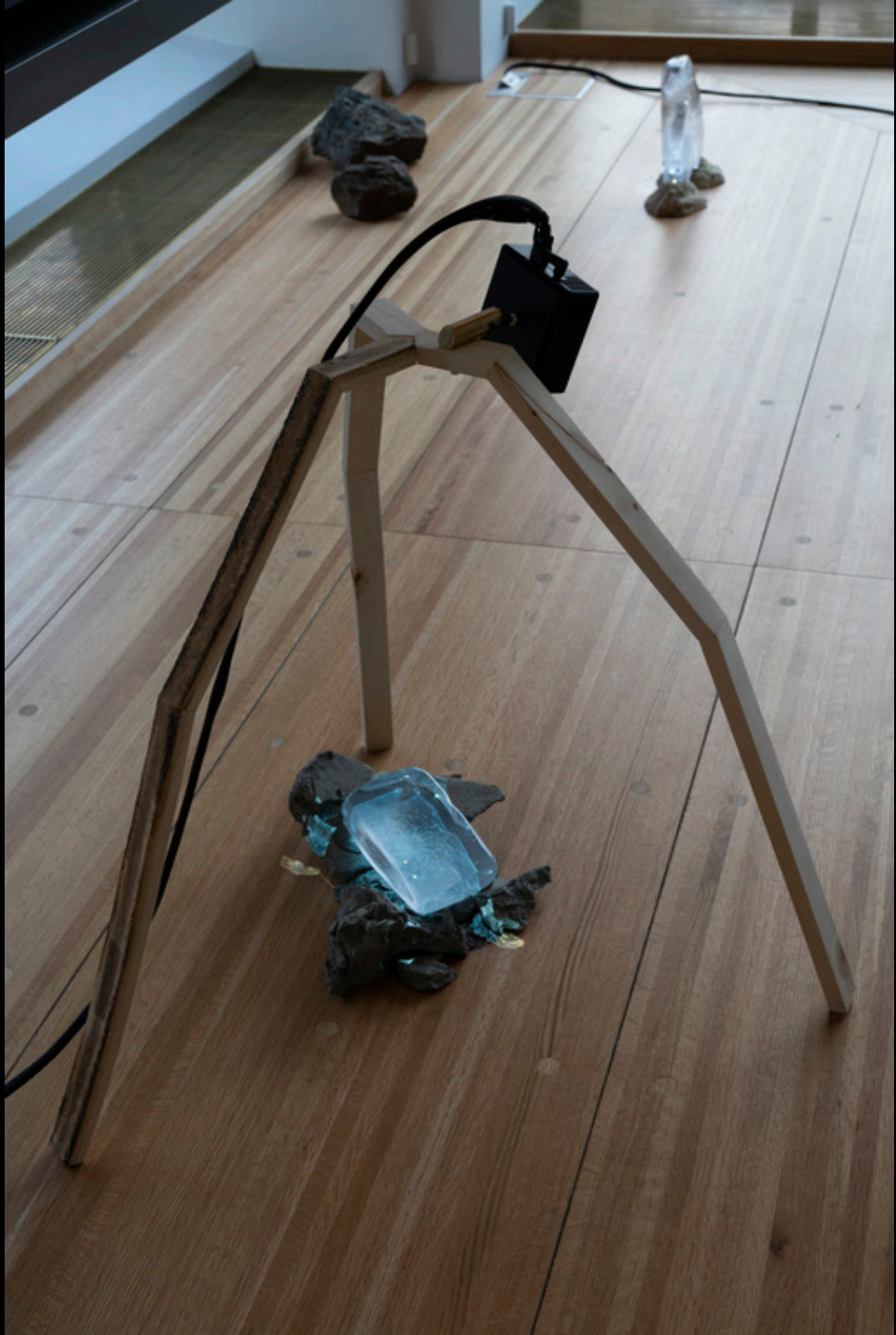
 Exit

AV-installations









EMMA

Case: same exhibition, different venues











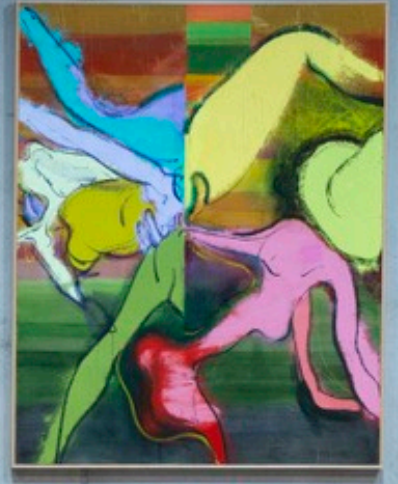
JOHANNES MEISE

Textual information on the wall, likely a description of the artwork.









Small white informational label on the wall.





















EMMA

EMMA

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