

## **1. Introduction**

Dear users:

Hello!

Thank you for choosing to use CHANGHONG FRESNEL AMBIENT LIGHT REJECTING SCREEN Series. This manual is applied to the installation and use of the screen. In order to better experience this product, please read this manual carefully before installing and using this product, and keep it safe!

Please check if there are any missing or damaged parts before installation. If there is any abnormality, please contact us immediately.

**Special statement: The pictures and descriptions in this manual are for reference only and may differ from the actual product. Please refer to the actual product (this statement is throughout the entire manual). Product design and specifications are subject to change without prior notice due to quality upgrades.**

## 2. Warnings




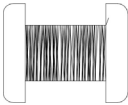
### Warning

- It is strictly forbidden to try to decompose or disassemble any part of the product by yourself, which may cause the screen to fall off, resulting in damage to the product and endangering personal safety.
- Check the concealed works (water, electricity, gas pipeline, etc.) of the screen installation surface or communicate with the customer to understand. When drilling, it is necessary to avoid such pipelines in order to avoid damage.

### Attentions for installation and use

- Please read the following precautions carefully before installing and using this product. Please keep this manual in a safe place for future reference.
- It is strictly forbidden to scribe, knock, impact or rub the screen surface with all kinds of hard objects.
- It is recommended to use a clean, soft cotton cloth and a small amount of warm water to clean and maintain the screen surface. It is forbidden to rub the screen surface back and forth forcibly.
- Installation must be performed by professionals, before installing, please make sure that the installation surface is dry and free of water stains, floating dust, and dirt. The surface is compact and flat, free of abnormal bumps and no wall peeling. Owing to the specialty of the screen, during the screen installation process, the installer may step on the TV cabinet to operate, and the installer should protect the user's TV cabinet.
- Before installation, please read the instruction manual of the whole machine at the same time (the operating part of the whole machine is involved in the screen installation process and no further detailed instructions will be given in this manual).

3. Parts list

No.	Name	Quantity	Diagram form
01	Fresnel Screen	1 EA	
02	Magnetic components	6 EA (80" )/ 8 EA(100" )	
03	Pendant	2 EA	
04	Hanging wire	1 Roll	
05	Pendant Sticker	2 EA	/
06	Gloves	2 Pairs	/
07	Dust-free Cloth	1 EA	/
08	User Manual	1 EA	/

4. Screen Specification

Model		S80FCL	S100FCL
Size	L*W mm	1786*1011	2224*1255
	H mm	1200	1200
Net weight（kg）		4.4	6.9
Screen Border（mm）		5	5
Screen Size		80"	100"
Display Ratio		16:9	16:9
Executive standard		Q/20541230—8. 169—2021	
Compatible Projector Projection Ratio		0. 6:1~1. 8:1	
Compatible Projector Resolution		UHD 4K	

Screen Gain	2.0
Ambient Light Rejection Rate	$\geq 85\%$
Scratch hardness	$\geq 2$
Half Gain Viewing Angle	$\geq 32$

## **5. Installation guide**

### **5.1 Installation Tools**

Level ruler, tape measure (measurable length  $\geq 3$  meters), pencil, when installing this product, the operator needs to wear clean gloves.

### **5.2 Wall Status Confirmation**

Make sure that the installation interface is clean, free of dust and dirt. The painted wall must not fall off powder and can be adhered closely to the double-sided tape. The installation interface requires a smooth surface without abnormal bumps.

### **5.3 Open Box to Check**

Check whether the product packaging is normal.

Check whether the product appearance is normal after unpacking.

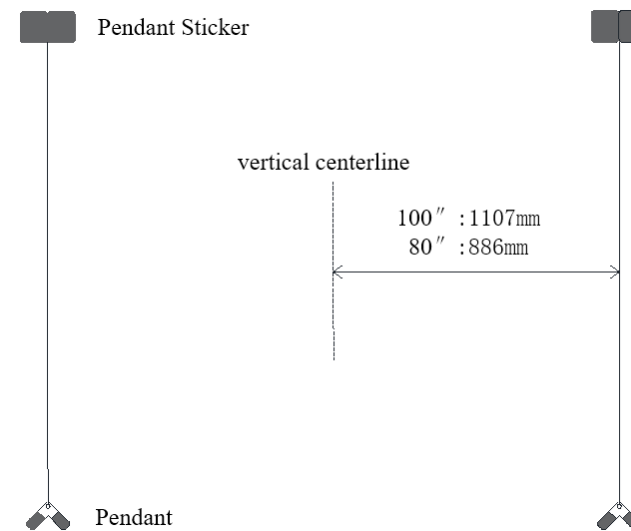
Check whether the accessories are complete.

- ※ In order to improve product performance in the future, accessories may be changed without notice, such as removing old parts or adding new parts.
- ※ Please do not touch the screen surface with sharp or hard objects during the unpacking process to prevent scratches. The screen surface damage caused by physical factors cannot be repaired.

## 5.4 Screen Installation

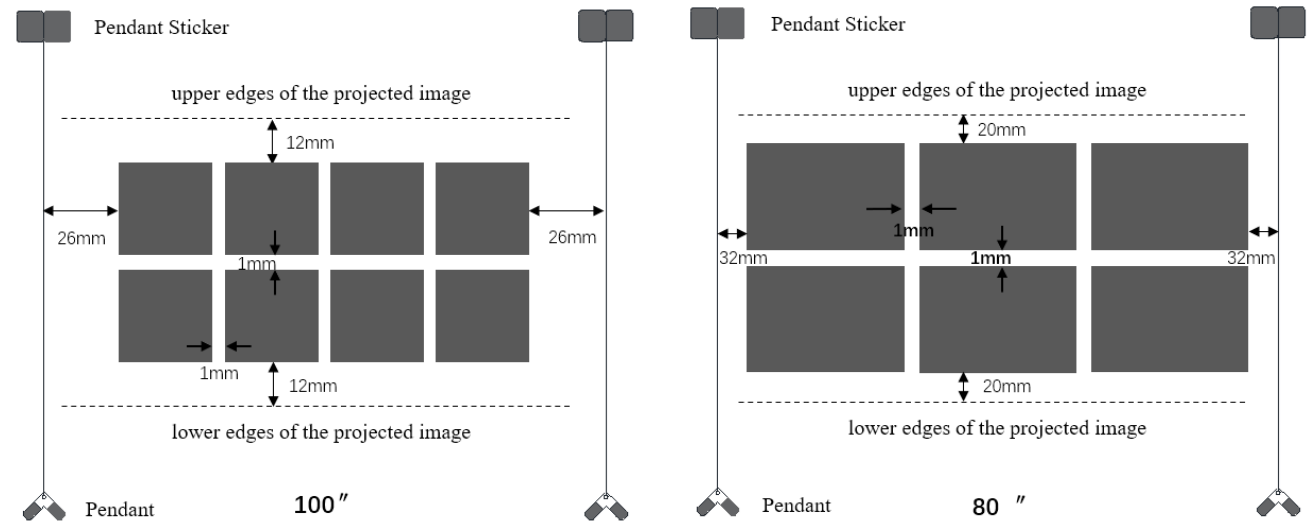
5.4.1 According to the product installation interface, the position of projector and the user's wishes, confirm the vertical centerline of the installation. Use a pencil to draw a vertical centerline. Use a level ruler to make sure the marking lines are vertical.

5.4.2 Using the vertical centerline as the benchmark, mark a point with half of display width on the left and right sides. Fix a pendant with a pendant sticker and a hanging wire. The position of the hanging wire is the left and right side of the display area.



5.4.3 Turn on the projector, adjust the projector to make sure the left and right edges of the projected image coincide with the hanging line, draw the upper and lower edges of the projected image with a pencil, and use a level ruler to make sure the lines are horizontal.

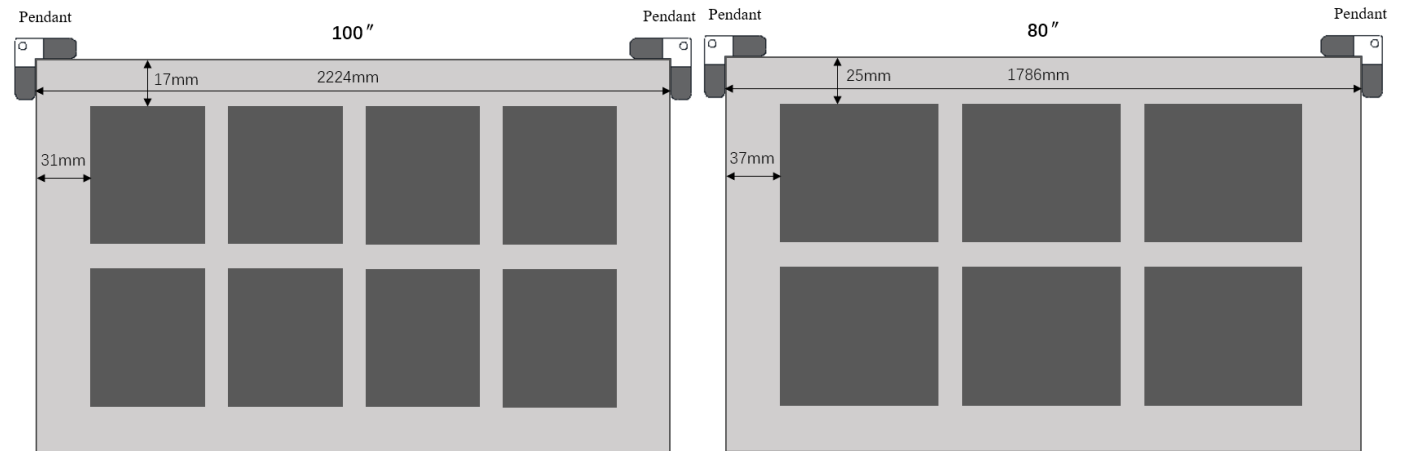
5.4.4 Stick magnetic component as below chart. 100-inch has 8 magnetic blocks, 80-inch has 6 magnetic blocks, and the magnetic components are aligned up and down. When sticking the magnetic components, it is recommended to stick it from up to down, and use a scraper to compact to avoid air bubbles.





#### 5.4.5 Screen Sticking

Stick the pendant to the wall as below. Two people lift the screen, align the upper left and upper right corners of the screen with the inner right angles of the pendant, and then gradually move screen towards magnetic component until they are together. Take off the pendant and use a level ruler to check whether the screen is horizontal. Adjustments can be made. Two people are required to install at the same time to prevent the screen from falling to the ground.



**Note:** choose screen direction, front projection , ceiling projection  .

## Warranty Service of the Screen

Dear user,

Thank you for your favor to CHANGHONG products! Please fill in the warranty card timely and accurately to ensure that you can get better service after purchasing the product. In the future using process, if there is product failure or you have any comments/suggestions, please contact us through authorized local dealers, or you can reach us directly by visiting our website: [laser.changhong.com](http://laser.changhong.com)

About after-sale service including installation, service and maintenance, the local country laws and authorized local dealer's policy shall prevail.

Regards,

Sichuan Changhong Electric Co., Ltd.

Please paste the purchase invoice here

### **Warranty**

- a. During the warranty period, if there is any fault caused by the product quality issues, you can enjoy maintenance service with the completed service warranty card and purchase invoice.
- b. Please properly keep the service warranty card and the purchase invoice as the warranty certificate.
- c. The warranty will automatically become invalid once the service warranty card and the purchase invoice are altered.
- d. Matters not covered shall be implemented with reference to relevant national laws and regulations or industry regulations.


Under any of the following circumstances, the warranty service will not be applicable, and you will be provided with charged maintenance services:

- a. Exceeding the validity period.
- b. Damage caused by improper use, maintenance and storage.
- c. Damage caused by dismantling by unauthorized persons.
- d. Lack of warranty card and invoice (unless the product can be proved that it is within the validity period).
- e. Altering the warranty card without authorization.
- f. The product model or number of the warranty card does not conform to the actual goods.

In case of any changes in the list above, the newly formulated relevant regulations of the company or the relevant laws and regulations updated by the country shall prevail.

## Warranty Card


Date of Installation: \_\_\_\_/\_\_\_\_/\_\_\_\_

User name		Tel	
Address			
Machine model		Shopping mall	
Invoicing date		Invoice No.	
Body barcode			
Service Status: <input type="checkbox"/> Screen Installation and Commissioning <input type="checkbox"/> Mount Installation and Commissioning <input type="checkbox"/> Separate Onsite Debugging			
Please confirm the wall properties for screen installation: <input type="checkbox"/> Solid Brick Wall <input type="checkbox"/> Hollow Wall Brick <input type="checkbox"/> Wooden Wall <input type="checkbox"/> Other			
The appearance of the screen are in good condition after installation: <input type="checkbox"/> normal <input type="checkbox"/> abnormal			
User Satisfaction Survey: <input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied			
User signature:			
 <i>Authorized Dealer Information</i>			

The second copy (retained by authorized dealer)

## Warranty Card

Date of Installation: \_\_\_\_/\_\_\_\_/\_\_\_\_

User name		Tel	
Address			
Machine model		Shopping mall	
Invoicing date		Invoice No.	
Body barcode			
Service Status: <input type="checkbox"/> Screen Installation and Commissioning <input type="checkbox"/> Mount Installation and Commissioning <input type="checkbox"/> Separate Onsite Debugging			
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User Satisfaction Survey: <input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied			
User signature:			
 <i>Authorized Dealer Information</i>			

The first copy is retained by customer (warranty card) certificate)