
Celligen®
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CGR Series
7 Wavelength, Near Infrared LED

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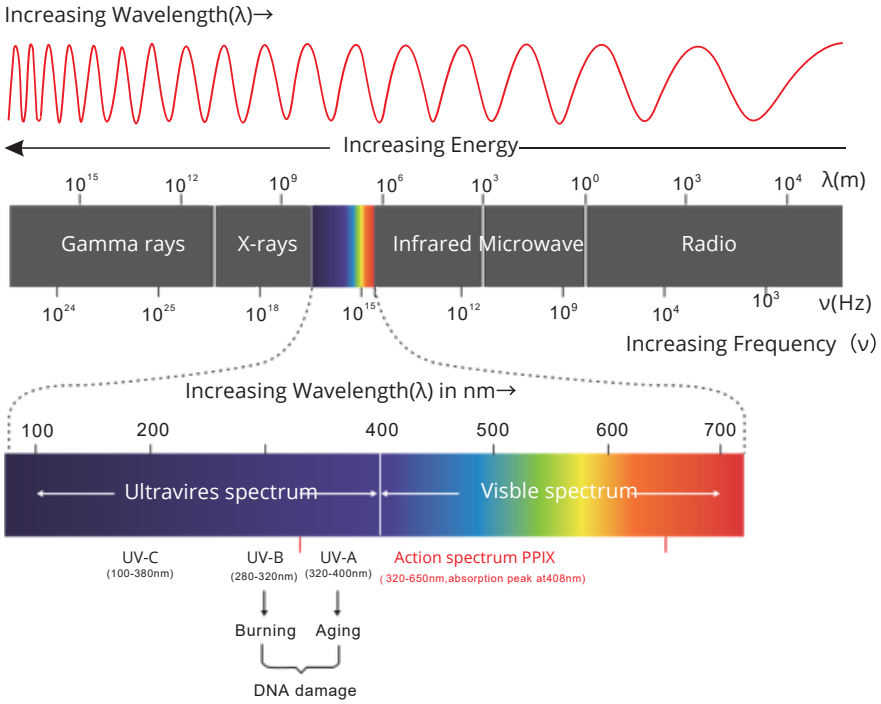
Overview of Light Therapy

What is Red and Near Infrared Light Therapy?

Red and near-infrared light therapy is one of the biggest breakthrough discoveries in health over the past century. Over the past few decades, scientists have amassed thousands of studies on the power of red and near-infrared light to enhance human health. Red and near-infrared light are those parts of the electromagnetic spectrum, and more specifically, the sunlight spectrum, that favor plant and animal growth.

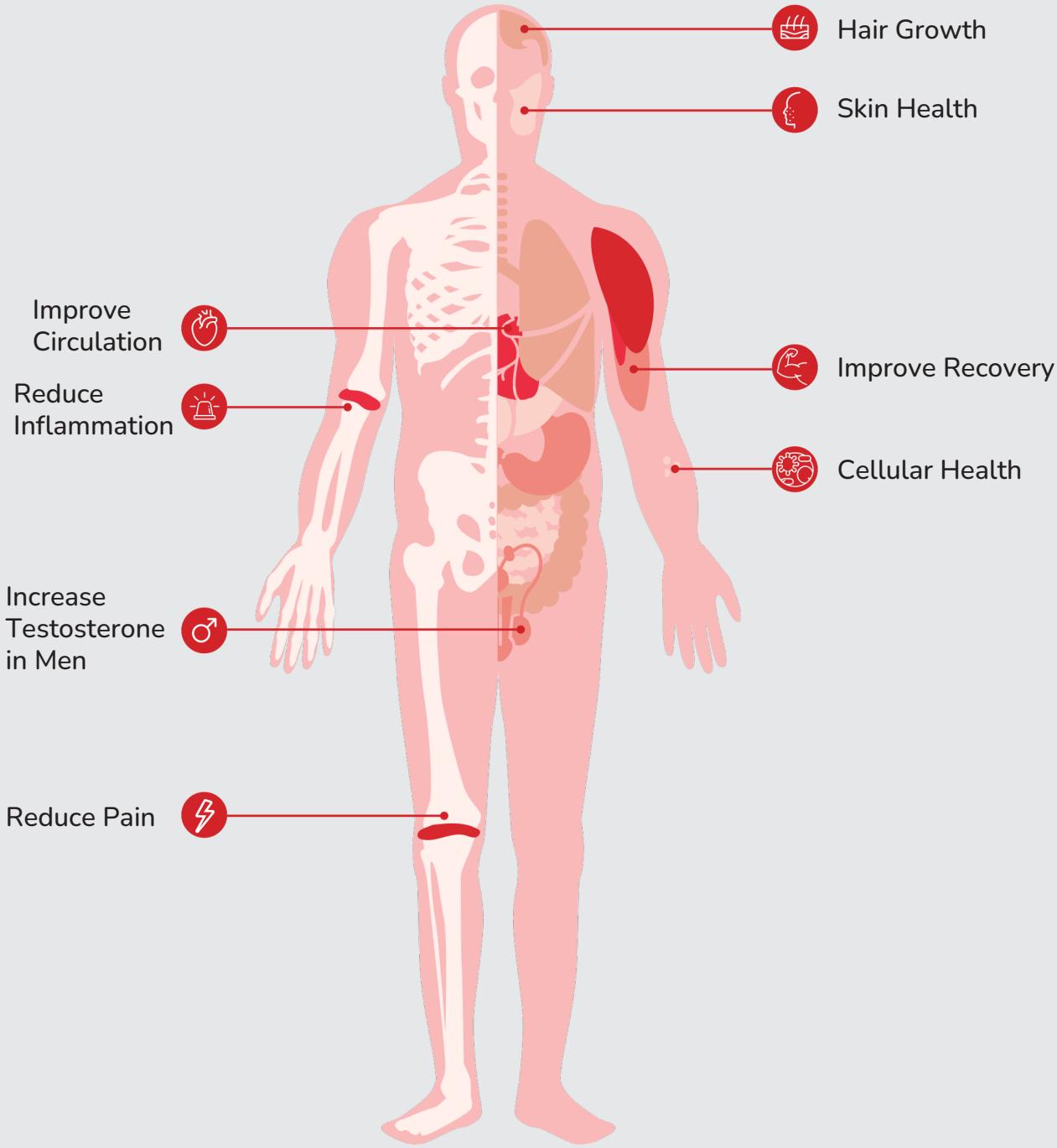
The photo below shows the types of light that affect how our cells function.



History of phototherapy technology

- Red light therapy began in 1903, and its inventor, Niels Finsen, won the Nobel Prize in Medicine for it.
- 1960s: It began to be applied to the treatment of chronic pain, arthritis, joint rehabilitation and soft tissue damage;
- 1980s: Humans discovered infrared therapy, which began to be applied to wound healing and health beauty;
- 1990s: People discovered red Light therapy has a significant role in promoting sports trauma tissue repair;
- Entering the 21st century: Red light, blue light, and infrared light therapy have a large amount of mature data, and are widely used in skin diseases, pain treatment, medical beauty and other fields, and have received strong support from many medical experts and groups.

Benefits of LED Light Therapy



Product Description

OUR CGR TOUCH SCREENSERIES IS THE MOST ADVANCED LINE OF LED THERAPY LIGHTS, DESIGNED FOR USERS WHO DEMAND THE HIGHEST IRRADIANCE AND SMART, INTUITIVE OPERATION.

Individual Wavelength Control

The CGR Panels let you adjust each wavelength's intensity independently - from 1% to 100% for a fully customized light therapy session. Whether you're relaxing, recovering, or preparing for sleep, you can fine-tune the light to match your needs perfectly.

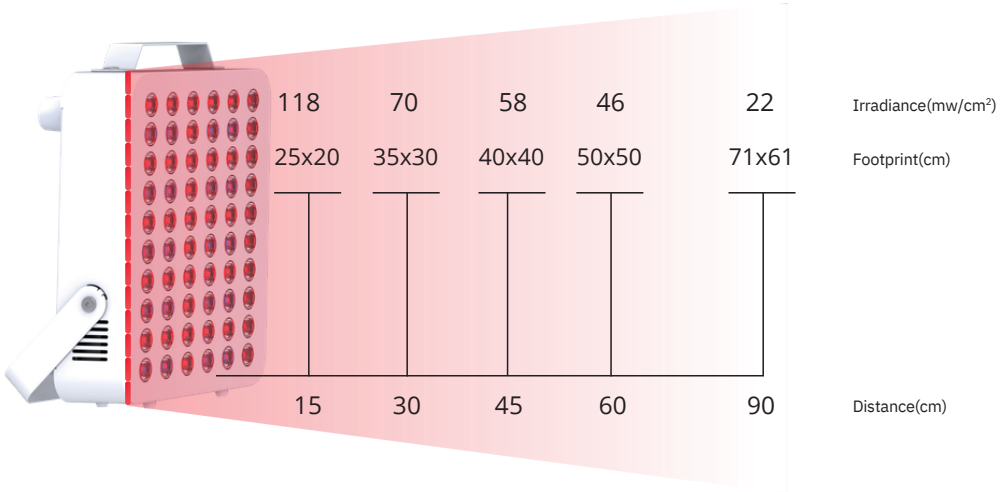


CGR-300



Brightness	7 wavelengths individually controlled (0-100%)	Dimmable	0%-100%
Wavelengths	480nm:630nm:660nm: 810nm:830nm:850nm:1060nm	Cooling Fans	1pc
Amps @120v	0.83A	Weight	3.8KG/8.4LBS
Amps @220v	0.45A	LED Lifespan	50,000hrs
Dimensions	26.9 x 23 x 6.6cm	EMF Emission	-Negligible
Power Consumption	99W	Warranty	3 Years
LEDs	60 × 5W	Best For	Targeted
Beam Angle	30 Degree	Max Area	71 x 61cm
Timer	1-30 minutes adjustable		
Pulsing	Individually controlled for each NIR wavelengths (0-9999hz)		

CGR-300 Irradiance



CGR-300 Accessories

1. LEDTherapyLight
2. EyeProtection
3. Handle
4. Remote control
5. Power Cable
6. Patch Cable





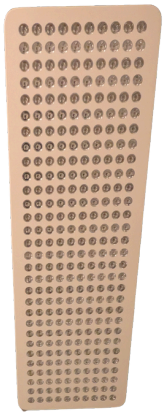






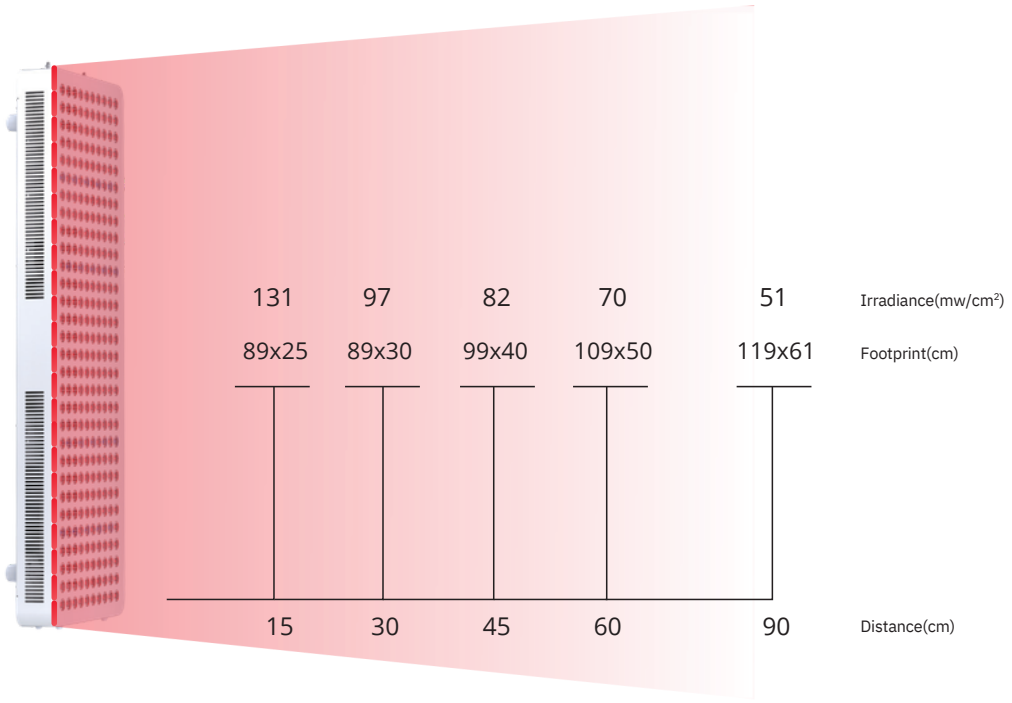


CGR-1500



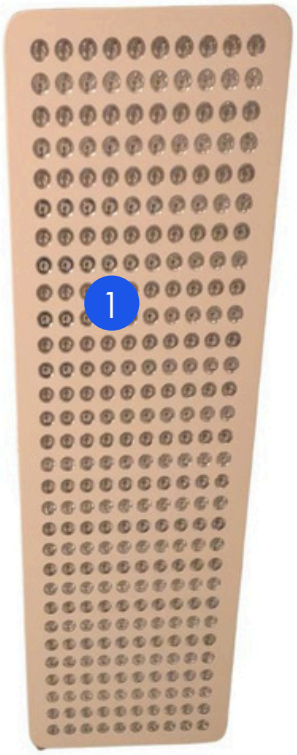
Brightness	7 wavelengths individually controlled (0-100%)	Dimmable	0%-100%
Wavelengths	480nm:630nm:660nm: 810nm:830nm:850nm:1060nm	Cooling Fans	4pcs
Amps @120v	4.25A	Weight	10.8KG/23.8LBS
Amps @220v	2.15A	LED Lifespan	50,000hrs
Dimensions	91 x 30 x 6.6cm	EMF Emission	-Negligible
Power Consumption	510W	Warranty	3 Years
LEDs	300 × 5W	Best For	Half Boby
Beam Angle	30 Degree	Max Area	119 x 61cm
Timer	1-30 minutes adjustable		
Pulsing	Individually controlled for each NIR wavelengths (0-9999hz)		

CGR-1500 Irradiance



CGR-1500 Accessories

1. LED TherapyLight
2. EyeProtection
3. Door Hook
4. Remote control
5. Hanging Hardware
6. Power Cable
7. Patch Cable
8. Cable Assembly & Snap Links









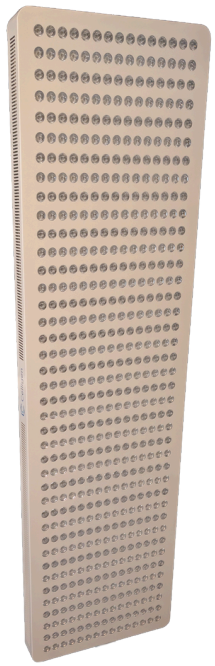






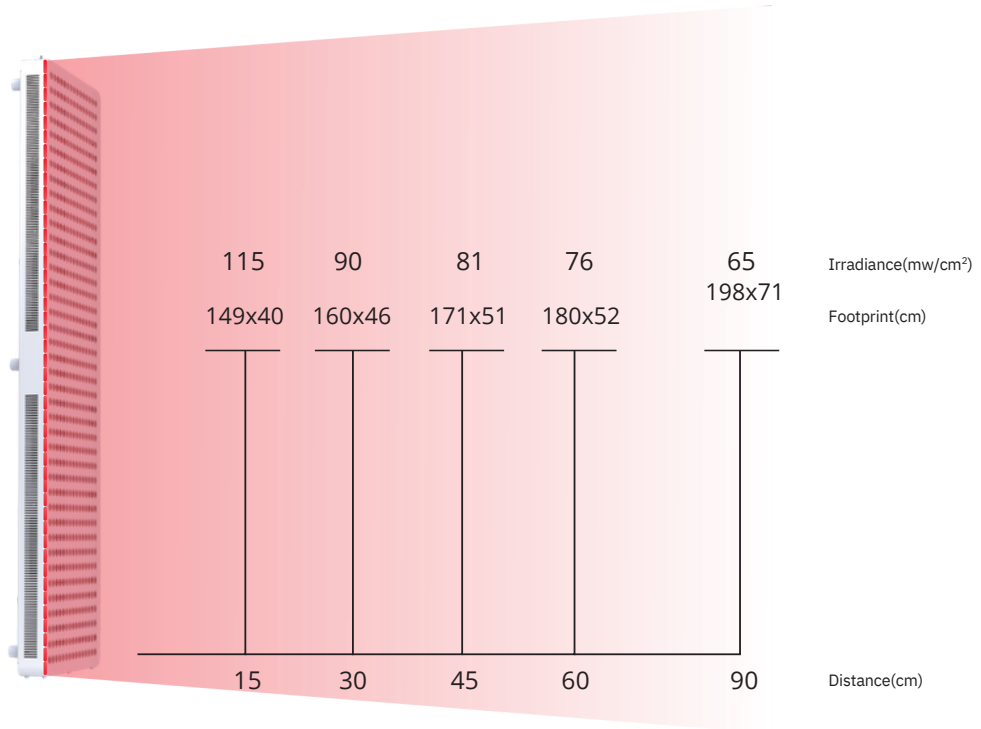


CGR-3000



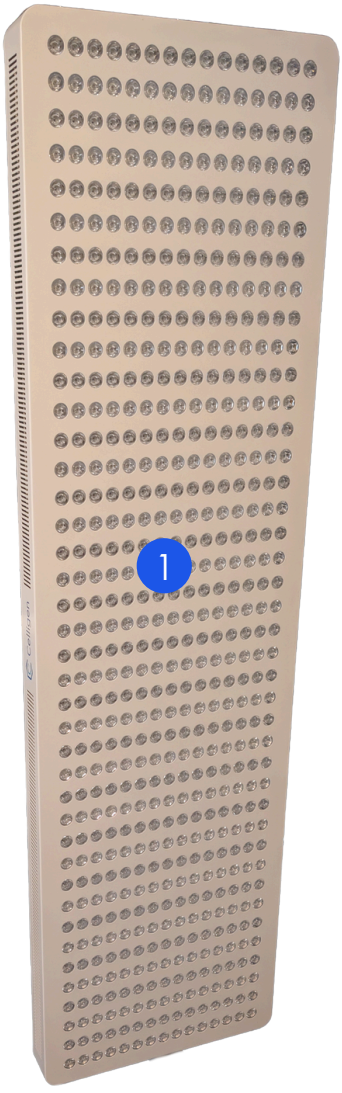
Brightness	7 wavelengths individually controlled (0-100%)	**Dimmable**	0%-100%
Wavelengths	480nm:630nm:660nm: 810nm:830nm:850nm:1060nm	**Cooling Fans**	8pcs
Amps @120v	8.75A	**Weight**	23.2KG/51.1LBS
Amps @220v	4.61A	**LED Lifespan**	50,000hrs
Dimensions	150 x 42 x 6.6cm	**EMF Emission**	-Negligible
Power Consumption	1050W	**Warranty**	3 Years
LEDs	600 × 5W	**Best For**	Full Boby
Beam Angle	30 Degree	**Max Area**	198 x 71cm
Timer	1-30 minutes adjustable		
Pulsing	Individually controlled for each NIR wavelengths (0-9999hz)		

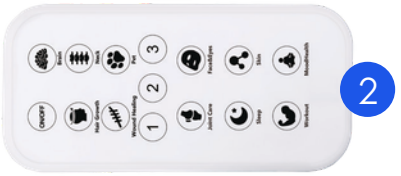
CGR-3000 Irradiance

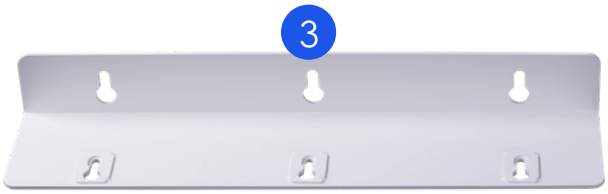


CGR-3000 Accessories

1. LED TherapyLight
2. Remotecontrol
3. Wall Stand
4. Power Cable
5. Eye Protection







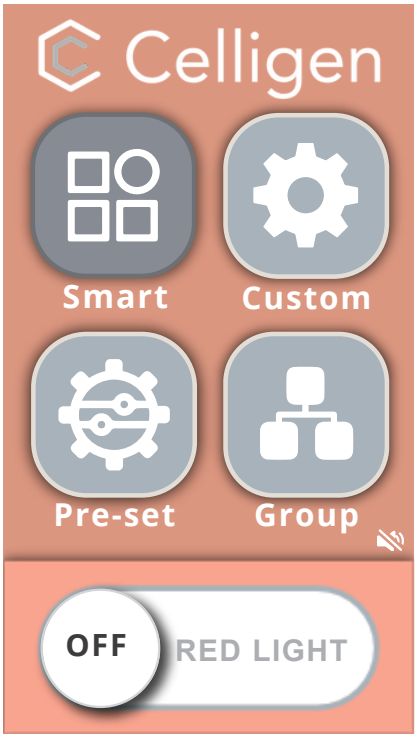




How to Use Your CGR TOUCH Screen Light



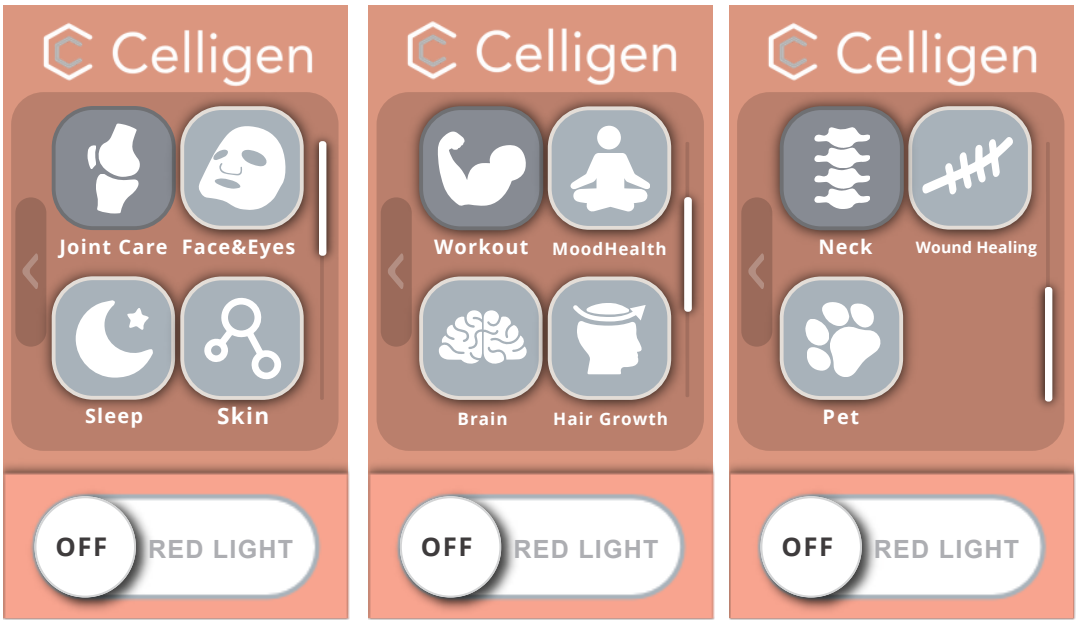
After powering on, it displays for 1.5 seconds, then enters the main menu.



(Main Menu)

1. Press the **Smart** button to select Joint Care, Face & Eyes, Sleep, Skin, Workout, Mood Health, Brain, Hair Growth, Neck, Wound Healing, or Pet.
2. Press the **Custom** button to choose Dimming, Timer, or Pulse;
3. Press the **Pre-set** button, and Pre-set 1, 2, and 3 will be available for saving settings in memory for a regular, preferred treatment or for a specific person in your household.
4. Press the **Group** button to select Group 1, Group 2, or Group 3;
5. Toggle the switch **OFF/ON** to turn the light off/on(The light will enter the program you latest time used).

Note: Long press the Group icon to mute or unmute the buzzer. In mute mode, the buzzer will not make any sound.

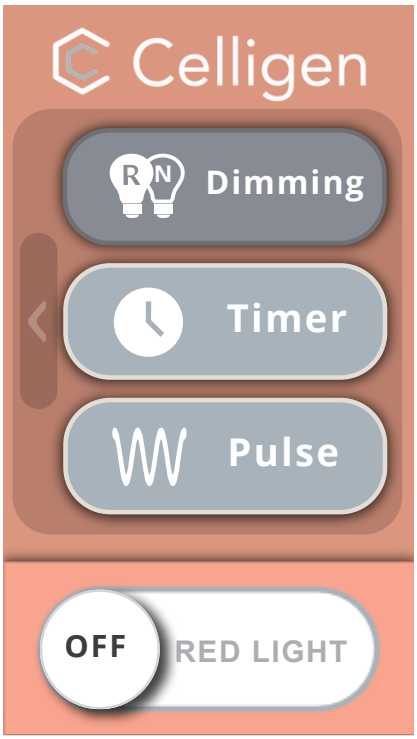


(Smart Mode Interface)

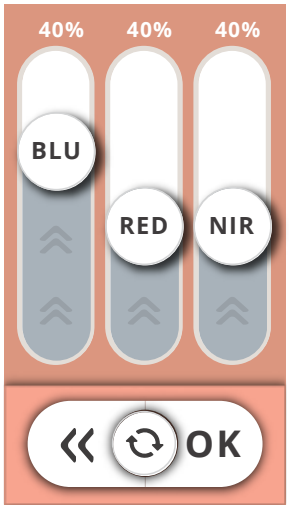
Tap the **Smart** button, scroll up or down to view all smart modes.

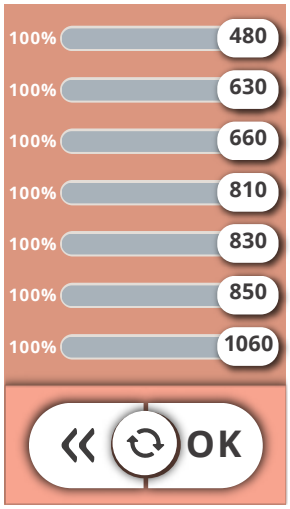
Touch your preferred smart mode to highlight the icon, then slide the **OFF** button to turn on the light fixture and enter the countdown page.

Note: The Smart Mode comes with default settings for time, brightness, and pulse, so there's no need to set any program.

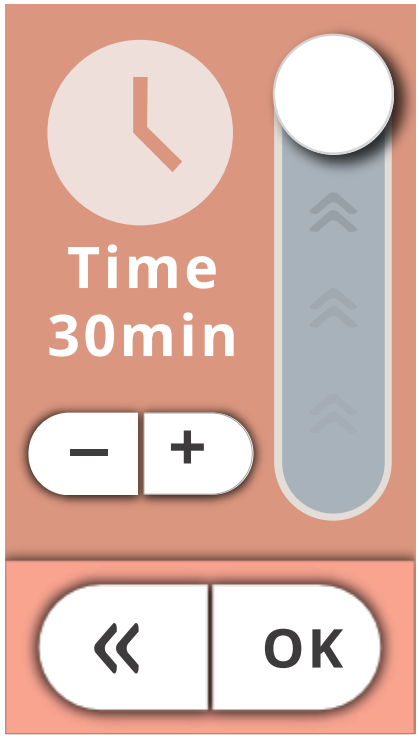


1. Press "**Custom**" and you can enter the custom interface to set your desired Brightness, Time, and Pulse;
2. After setting, click "**OK**" to save; 3. If you do not wish to save, click " ❮ "





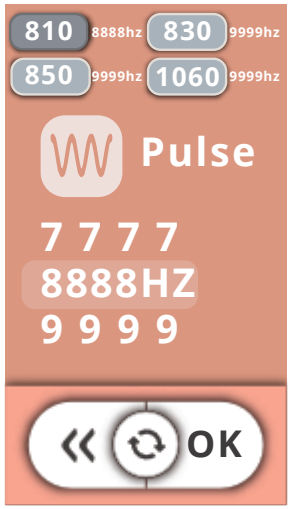
1. Select "**Dimming**" to enter the brightness settings screen;
2. You can adjust the brightness for the BLUE group, RED group, and NIR group by sliding up or down between 0% and 100%.;
3. You can also tap ⟲ to adjust the brightness of each wavelength from 0% to 100% by sliding left or right.



From the Timer interface, set your desired time using the "**+**" and "**-**" buttons or by sliding the screen.

Press **OK** to save this time, this time will stay in memory and the light will default to this when started.

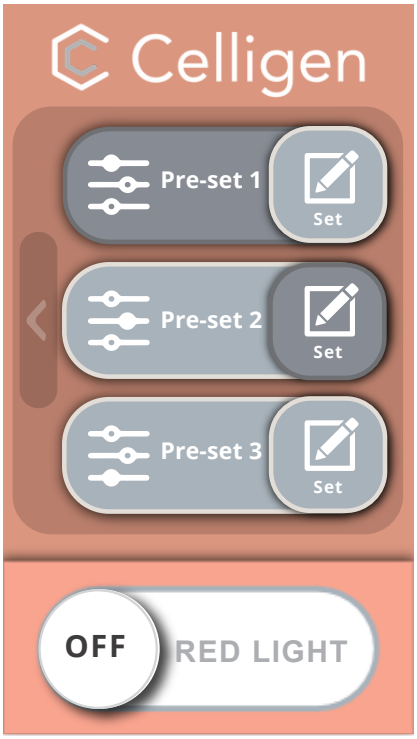
If you do not wish to save setting, click" ⟪ ".





1. You can adjust the pulse for NIR light from 0Hz to 9999Hz by swiping the number.
2. You can also tap ⟲ to adjust the pulse for each NIR wavelength from 0Hz to 9999Hz by swiping the number.

   Press **OK** to save, if you do not wish to save setting, click " ⟪ ".

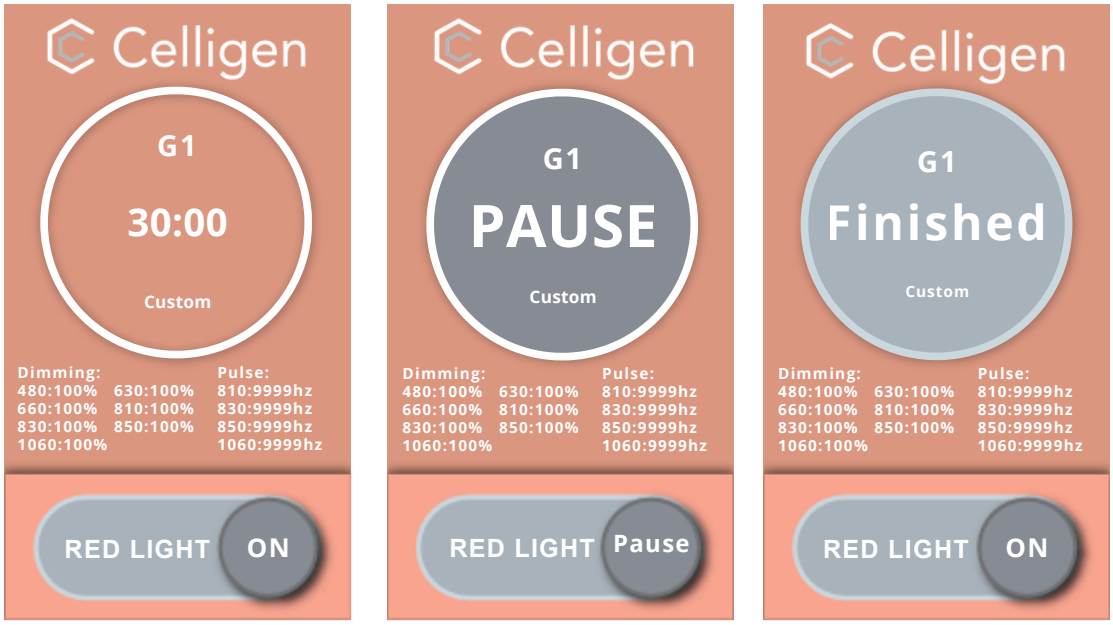


1. Press **Pre-set 1**, **2**, or **3**, then configure your desired Brightness, Time, and Pulse settings.
2. Any adjustments made in Custom, Pre-set 1, Pre-set 2, or Pre-set 3 will be saved for future use. To activate them next time, simply slide the OFF button.



You can assign the light to a specific group for remote control.

By default, Group 1 is selected. Change this only if you have multiple arrays in the same room that need individual control.



1. In the light's custom operation interface, the screen will display the pulse, time, and brightness settings for each wavelength that you have configured;
2. You can tap to PAUSE or resume operation.

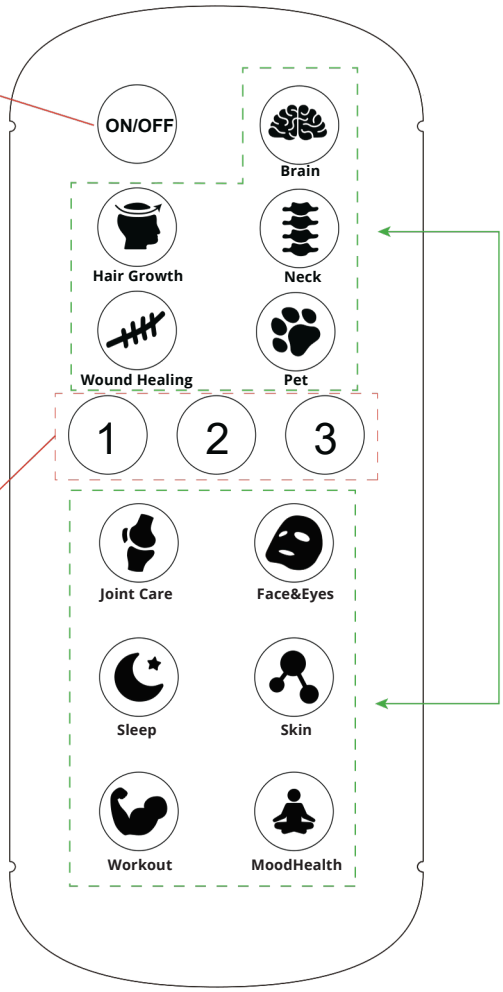
Notes:

1. The control panel has an automatic screen-off function, and all interfaces will turn off the screen automatically
2. A sound will alert you when half of the run time has passed.

Remote Control User's Guide

Press once to activate all wavelengths — Red and NIR will run at 100% for 20 minutes. Press again to turn it off.

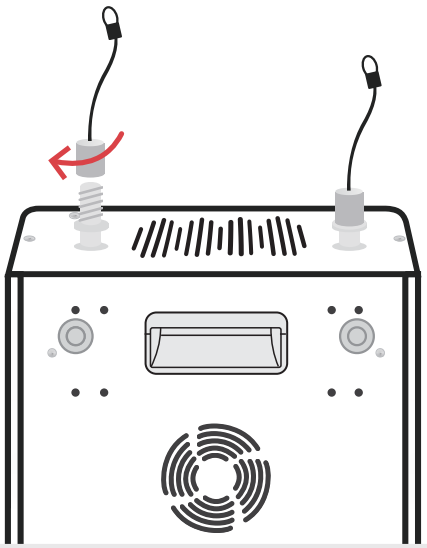
Remote Pairing:
To control one or more panels with the remote, first set all panels to the same group (if using multiple units). Then, press the same group number on the remote. A beep will sound to confirm successful pairing. The remote is now ready to control the panel.



Smart Mode Button:
Press to choose a Smart Mode.
Press again to start.
Press one more time to pause.

Note: Make sure the remote is paired with the light before you use it.

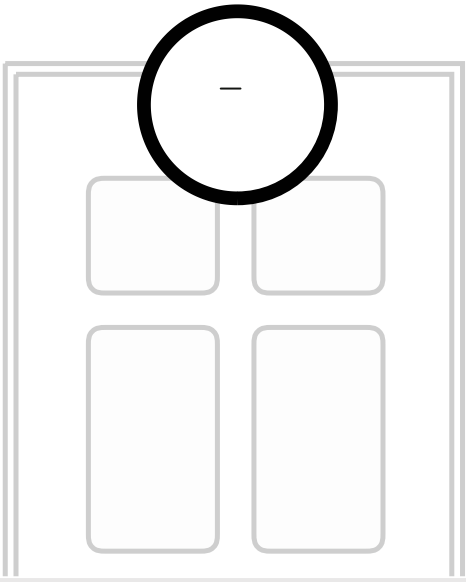
Install Your Therapy Light



PIC.1

STEP 1

Lay all of the included hardware, including your Panel, on a padded surface. Next, screw in the threaded posts to the top of the device and hand tighten with the included alan wrench. Then, screw the cable supports to the threaded posts, as shown in PIC.1.

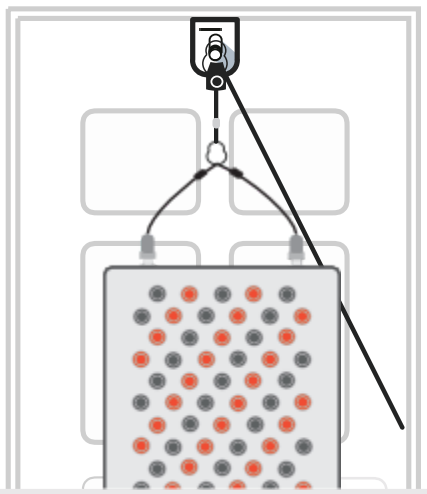


PIC.2

STEP 2

Hang the included custom hook on any standard-sized door, as shown in PIC.2.

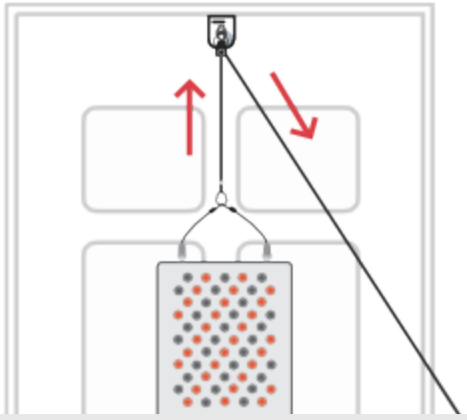
Install Your Therapy Light



PIC.3

STEP 3

Connect the cable supports to the snap link attached to the height-adjusting system. Then, connect the snap link on the opposite end directly to the door hook, as shown in PIC.3.



PIC.4

STEP 4

To raise your Panel to your desired height, pull down on the loose cable while supporting the device with your opposite hand, as shown in PIC.4.

Be sure to adequately support the device while raising and lowering it with the height-adjusting system .

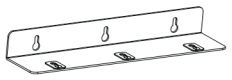
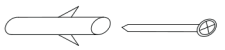
Wall Mounting Bracket Instruction

WARNING

Please readthe following warning carefully before assembly

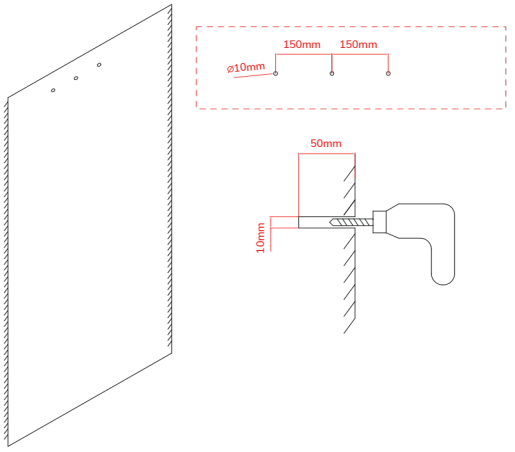
- Do not install or assemble if the product or hardware is damaged or missing, if you require replacement parts, please contact us for assistance.
- Maximum load capacity: 32KG/70.5LBS.
- Do not use this product for any other things than the original design.
- We do not cover the following damages: product been modified, improper installation or use over the specifiedweight range, nature caused damage.

Parts List

x1	Cx2
	

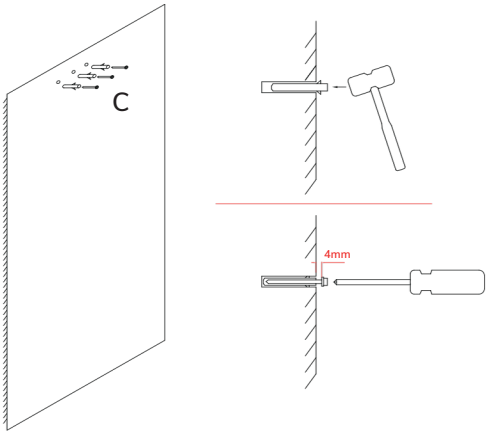
Step 1

Drill holes in the wall at the size required



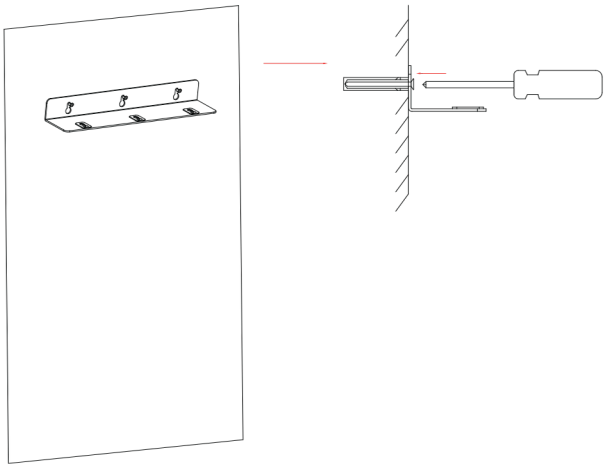
Step 2

Drive the rawlplug into the hole, twist the screw in and leave 4mm away from the wall



Step 3

Hang up the wall bracket and tighten the screws.



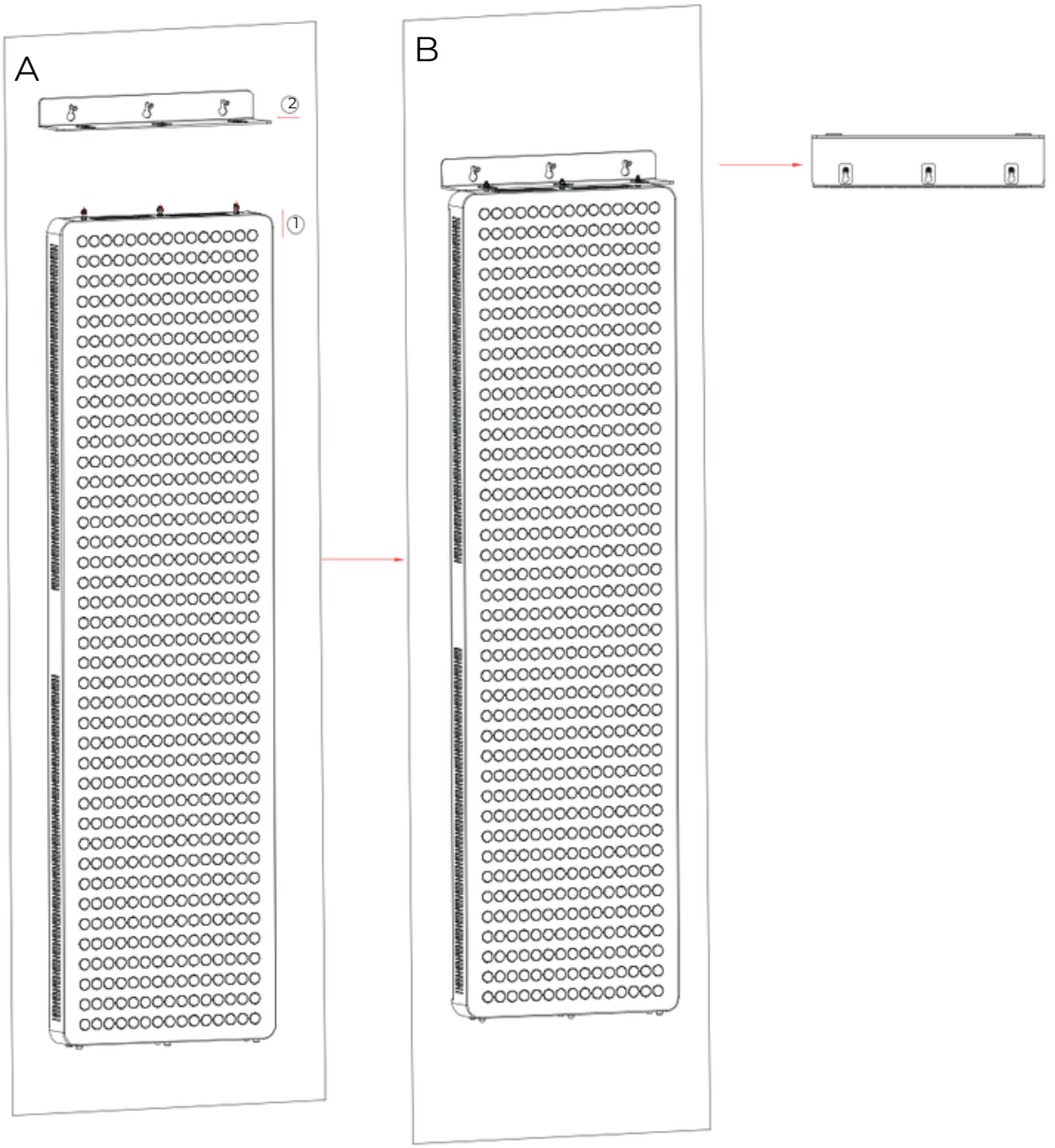
Step 4 (CGR-3000)

Hang the light on thebracket:

① Line up the top connectors of the light with the holes in bracket.

② Slide the top connectors of the light up into the holes and then push back to lock into place.

③ Screw in the plastic screws in the holes.



Caution:
Don't push the lights after installed

Precautions

Please pay attention to the following NOTES when using your device:

- Please read all NOTES in the user manual before using the device.
- Use with caution in patients with allergic skin diseases
- Children and people with disabilities should use this device under the supervision of guardians or medical staff
- If the patient has a tendency to bleed or has acute inflammation, high fever, active tuberculosis, etc. the LED therapy light should be prohibited.
- When using LED therapy light should pay attention to the safe irradiation distance and suitable treatment time.
- When irradiating the head please pay attention to protect the eyes to avoid eye burns.
- The device is not waterproof, do not clean it with a wet towel or immerse the device in water, do not wash electrical components with water or liquid.
- Do not pull the power cord forcefully during the device operation.
- Stop using the device if it gets wet.
- Do not use with other heating equipment at the same time. Do not modify or repair this device by yourself.
- Do not use or store the device in environments where the temperature exceeds 45°C.
- Avoid direct sunlight when storing lamps and store in a cool, dry place.
- Please keep a distance of at least 11 cm between the skin and the light-emitting surface of the lamp to avoid high-temperature burns.
- If there is any abnormality or discomfort during use, please stop using it immediately

Operating Environment

Operating your CGR Panel outside of the following ranges may affect performance:

- Temperature: 14°F to 113°F (-10°C to +45°C)
- Atmospheric Pressure: 101.325 kPa
- Storage Temperature: 8.6°F to 104°F (-13°C to +40°C)
- Relative humidity: 30% - 65%

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