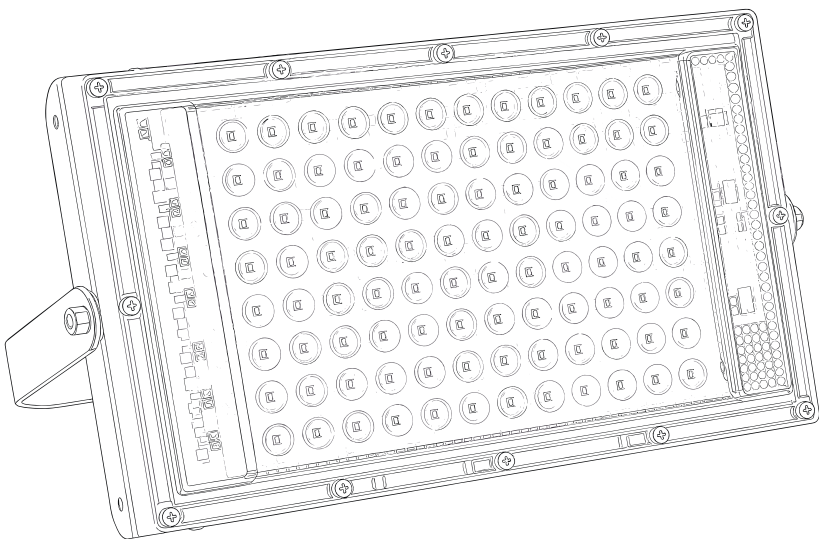


GISTAR

UV Resin Curing Light

Installation · Operation · Safety · Maintenance · Q&A

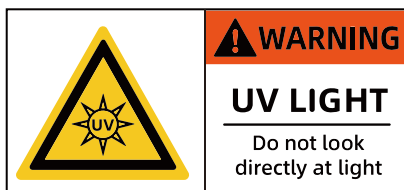
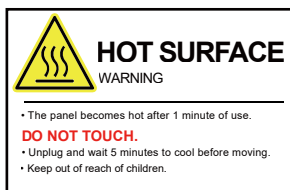


models:CLT50B



Please scan the QR code to view
the instruction video or go to:

Safety Instructions



DANGER — This product emits UV radiation and visible violet light. Do not look directly at the LEDs or the illuminated area. Wear UV-protective safety glasses with side shields and cover exposed skin.

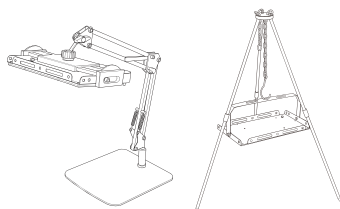
Hot surface



158°F (70°C)

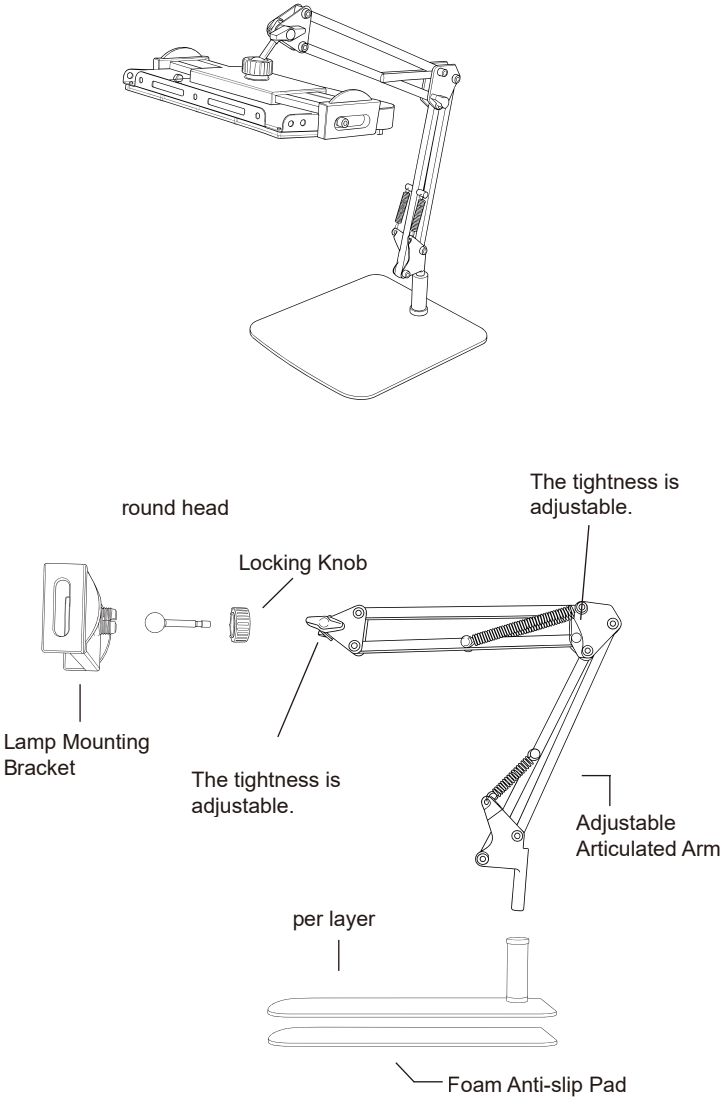
- Leave at least 8 cm of clearance above the target area to keep the light from getting too hot.
- The temperature may rapidly reach 158°F (70°C) after 5 minutes of continuous operation. Do not touch hot surfaces or obstruct the lamp head or top ventilation area. Allow the device to cool completely before moving or storing.
- Do not cover the lamp head, block the heat dissipation area, or place paper, cloth, plastic bags, etc. close to the heat dissipation casing.

Hot surface

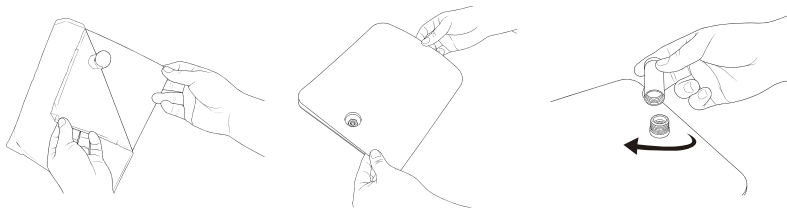


Danger: Hot surface. Do not use without the stand/rack.

Desktop articulated-arm installation

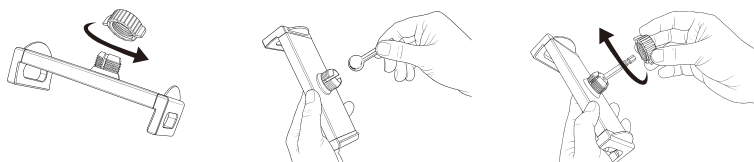


Step 1

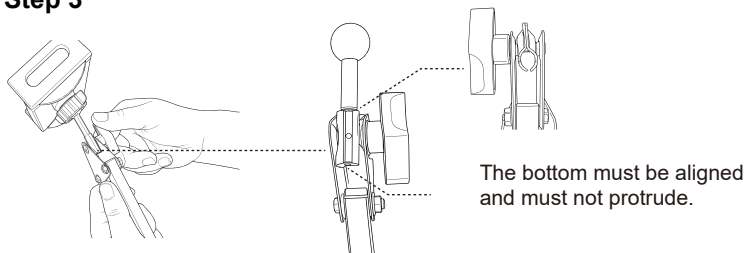


Please peel off the protective film.

Step 2

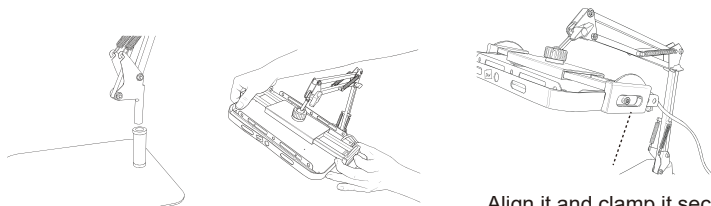


Step 3



The bottom must be aligned and must not protrude.

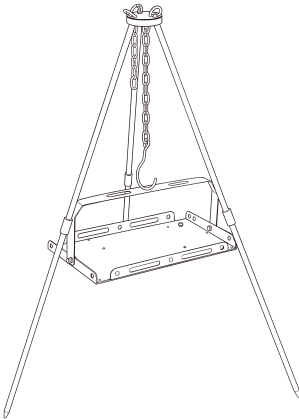
Step 4



Align it and clamp it securely.

Wait until the lamp has cooled before handling or adjusting it

Desktop articulated-arm installation

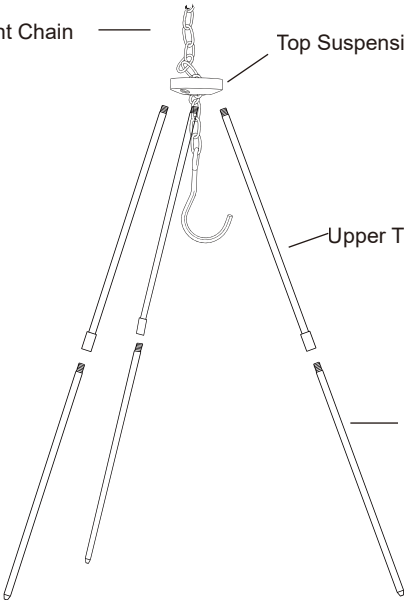


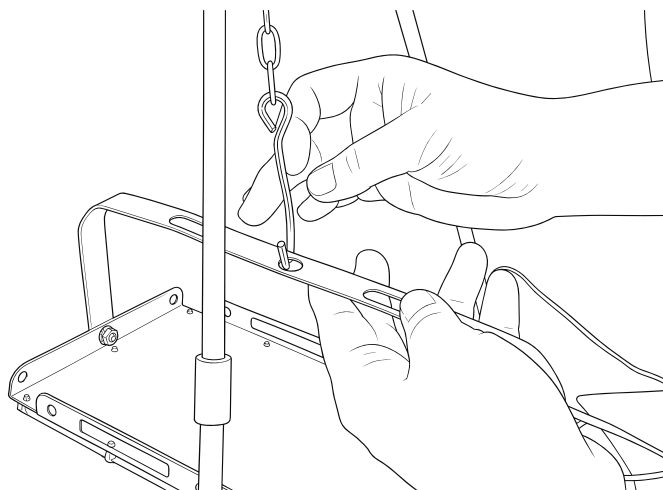
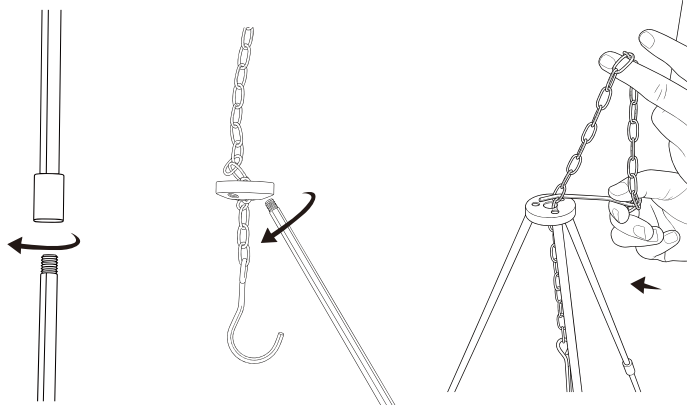
Adjustment Chain

Top Suspension Ring

Upper Tripod Legs

Lower Tripod Legs





Wait until the lamp has cooled before handling or adjusting it

Prohibited or Unsupported Uses

1. Not intended for disinfection, sterilization, or microorganism inactivation.
2. Avoid exposing eyes, skin, animals, food, or unrelated objects.
3. Do not use in flammable, explosive, humid, corrosive or dusty environments.
4. For curing, exposure, and process operations involving materials compatible with the lamp's output wavelength only.

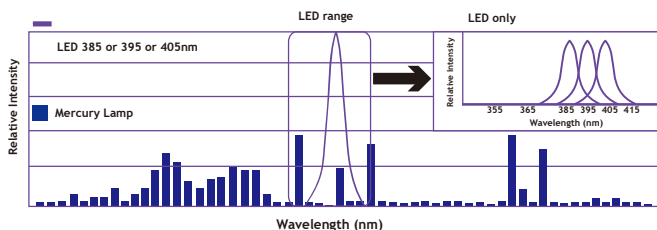
UV Radiation Protection

1. Before turning on the lamp, confirm that the illumination direction is away from people and establish a light-shielding or isolation area
2. Wear UV safety glasses that cover the actual output band; ordinary myopia glasses, sunglasses or transparent goggles cannot replace special protective equipment.
3. Do not use in flammable, explosive, humid, corrosive or dusty environments.
4. Children and persons who have not received safety instructions must not operate the equipment.



Stop immediately. If smoke, sparks, pungent burnt smell, abnormal flashing, casing deformation, plug or wire overheating immediately turn off the power, unplug the plug and stop using it.

Product Application Parameters



The chart compares the emission spectra of different UV light sources. The material's photoinitiator absorption range must be matched to the light source before use.

IMPORTANT Whether this product can cure a certain UV adhesive or resin depends on the photoinitiator absorption range of the material. The material technical data sheet (TDS) must be checked or wavelength compatibility must be confirmed with the material supplier before use.

Application Use case	Target Object and Size	Distance (cm)	Starting Time (reference)
UV resin	Resin layer ≤ 1 mm thick	10–15	2–5 min per layer
UV resin	Resin block 1 cm thick	7–9	6–8 min
UV resin	Large or heat-sensitive workpiece; within coverage	10–14	9–10 min
Screen-printing Photo emulsion	Coated screen within effective coverage	15-20	Start 3–5 min
Cyanotype Photosensitive material	Sensitized paper within effective coverage	15–20	Start 5–15 min



The above data are laboratory results. Actual curing effect and time vary with glue brand and coating thickness; extending the time as appropriate is recommended.

Scope of Application

This product is widely used for curing and processing on various materials

Materials: Glass | Plastic | Metal | Wood | Leather | PCBs | LCDs | UV

Typical Uses:

Screen Printing, UV Resin, Cyanotype, Photo Emulsion, UV crystal epoxy, UV photosensitive resin, UV solder mask, UV ink screen printing, UV exposure, cyanotype printing, UV varnish curing.

Also used for:

Counterfeit detection, fluorescent inspection, fluorescent testing, stage and bar lighting decoration.

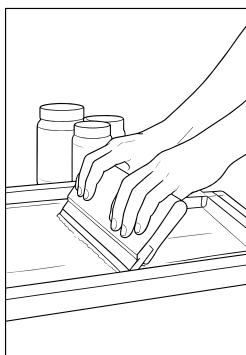
Why do resin pieces turn yellow? How to solve it?

1. Heat: Thick pieces (over 5 mm) can trap heat during curing, causing the resin to yellow.
2. Dyes: Some dyes may react with the resin or heat during curing, leading to yellowing.

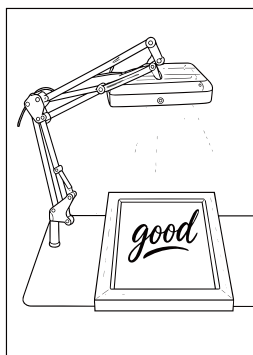
Screen-Printing Process



1. Print your artwork onto a transparent film using an inkjet printer.



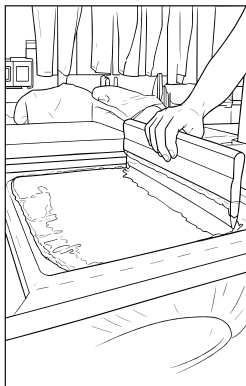
2. Use a squeegee to apply a thin, even layer of photo emulsion to the screen.



3. Place the transparency film on the screen and expose it to UV light for the recommended time.



4. Rinse the screen with water to remove the unexposed emulsion, then allow it to dry completely.



5. Place the screen over the material and use a squeegee to spread the ink across the design.



6. Lift the screen carefully to reveal the printed design on the garment or other material.

Q&A

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Some LEDs do not light up	Lamp/driver fault or camera display variation	Do not inspect the light source directly. If output is uneven or results are abnormal, stop use and contact customer support.
Cures very slowly	Wavelength mismatch, distance too far, material too thick, dirty lens, or LED attenuation	Check the material TDS; shorten distance; reduce thickness; clean the lens; perform a step-exposure test.
Uneven curing	Workpiece off-center, tilted lamp head, shadows, or insufficient coverage	Re-center and level the lamp; reduce obstruction; use zone or multi-angle illumination.
Sticky surface	Insufficient dose, oxygen inhibition, resin formulation, or surface contamination	Increase the verification dose; post-process as specified for the material; do not judge internal curing from the surface alone.

Product Advantages

1. 395 nm UV Wavelength

Suitable for compatible UV resin, UV adhesive, screen-printing photo emulsion, cyanotype materials, and other photosensitive products

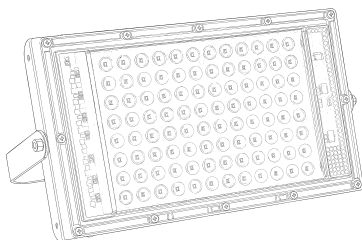
2. 96 UV LEDs

Equipped with 96 UV LEDs and integrated PC lenses for efficient light transmission.

3. Multiple Applications

Suitable for UV resin curing, UV adhesive curing, screen-printing exposure, cyanotype printing, and other compatible UV-sensitive materials.

Basic Specifications



- Light Source Type: UV LED
- Wavelength: 395 nm
- LED Quantity: 96 LEDs with Integrated PC Lenses
- Input Voltage: AC 110V, 60 Hz
- Cooling Method: Ventilated Housing
- Recommended Irradiation Distance: 10–15 cm*

Warranty excluded in these cases

1. Damage caused by misuse, circuit modifications, or improper maintenance is not covered under warranty.
2. Water damage is not eligible for returns or exchanges.
3. Damage due to external factors such as drops or intentional damage after purchase is not eligible for returns or replacements.
4. Returns or exchanges will not be processed without a valid proof of purchase or order number.

During the warranty period, if the product fails under normal conditions of use, we will replace it with the same model free of charge.

GISTAR

AFTER-SALES SERVICE

The product comes with a 1-year warranty.

Email address: support@gistarvip.com

To expedite your return request, please attach clear photos/videos of the item to our after-sales email.