

BAS=LAYR

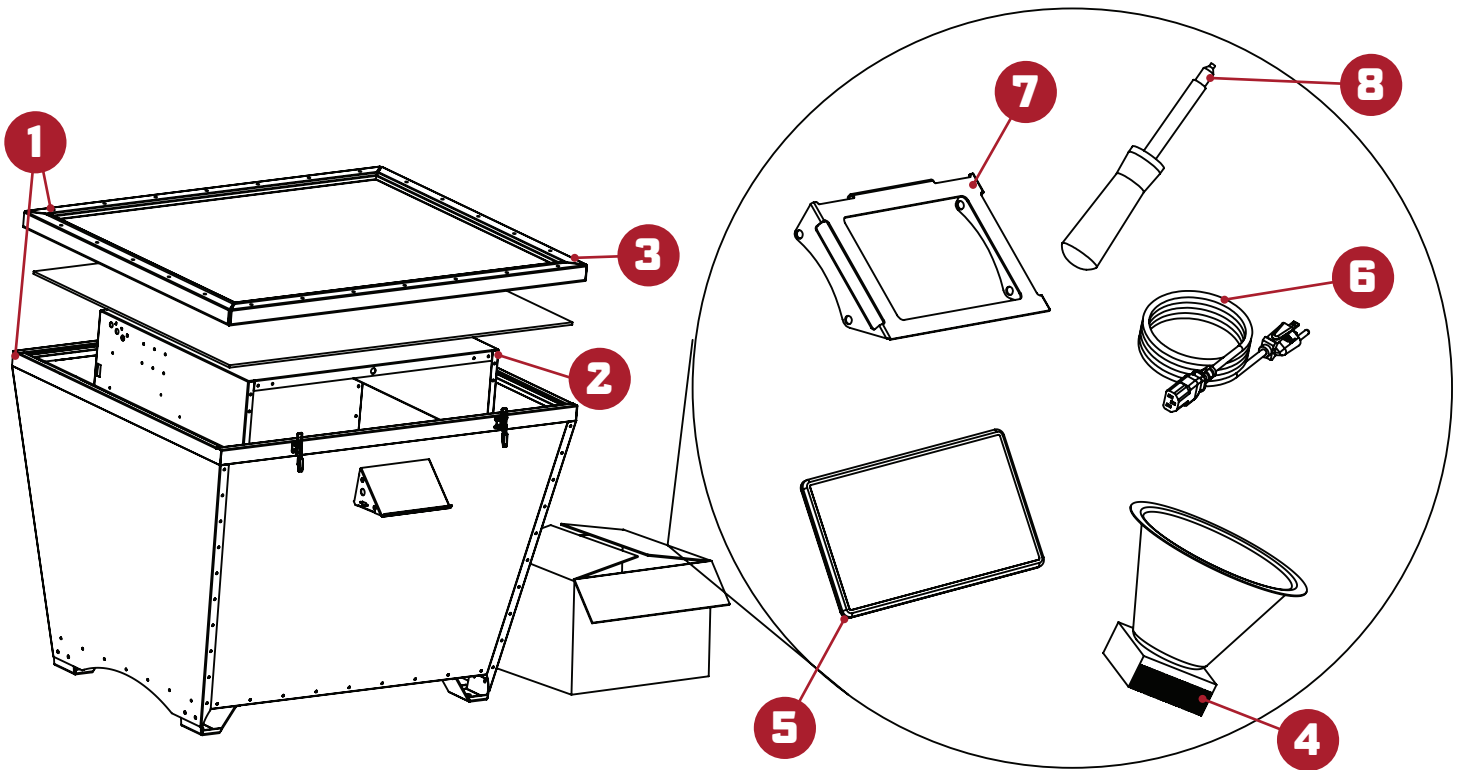
DARKROOM EQUIPMENT



OPERATING INSTRUCTIONS

BASELAYR Y-SERIES LED & CTS EXPOSURE SYSTEM





STEP 1.

Inspect the package to ensure your equipment is complete and devoid of shipping damage.

MAIN PACKAGE:

1. Main frame with vacuum lid.
2. Internal electrical tray.
3. Glass top (not applicable to the CTS).

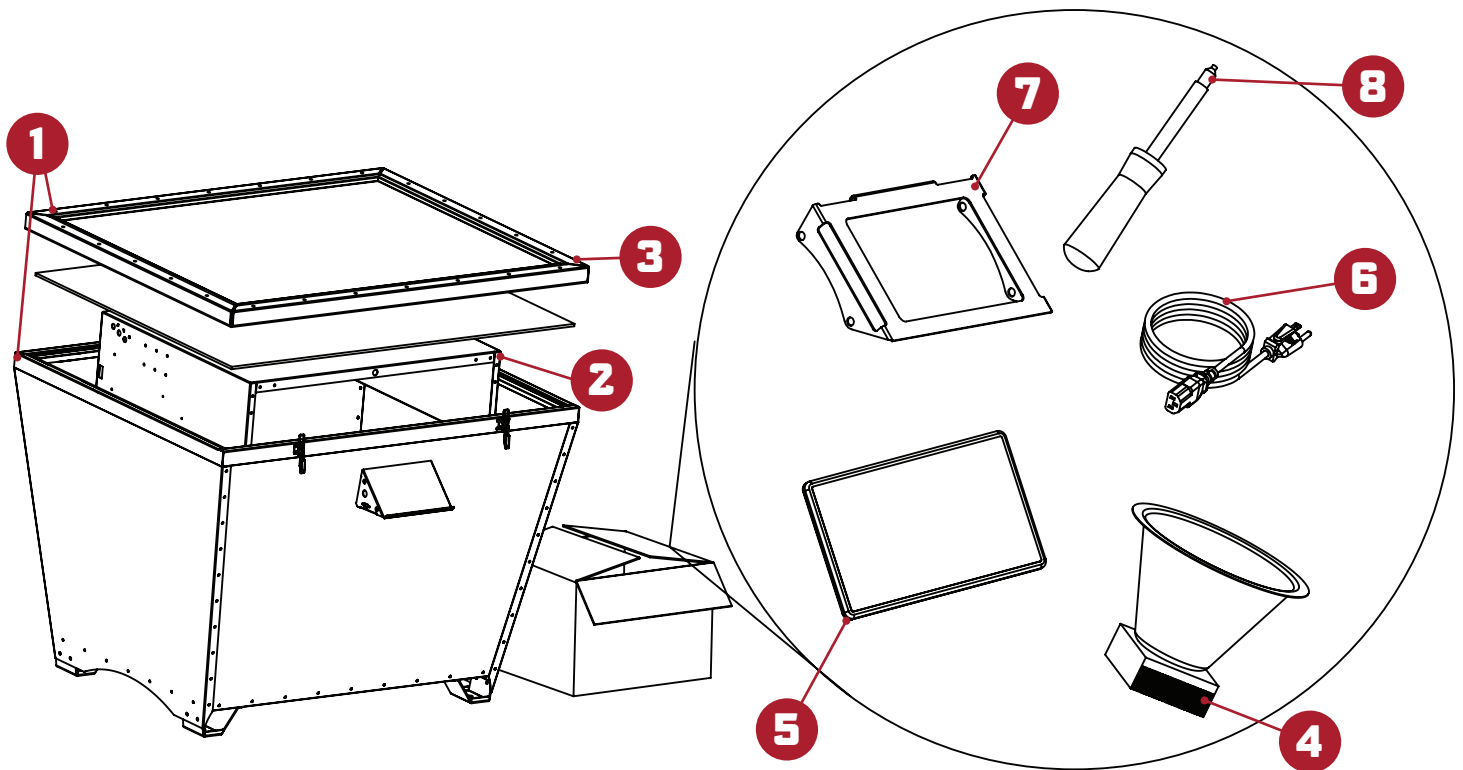
SECONDARY PACKAGE:

4. LED light assembly.
5. (Seven-inch) Android tablet and components.
6. Power cable.
7. Tablet cover and hardware.
8. Security tool.

STEP 2.

Establish a home for the unit on a level surface.

Note: If your doorway is not large enough to wheel the unit directly through, the casters and brackets can be removed, allowing the unit to fit through on its side.



\\ CAUTION! /// BEFORE TRANSPORTING THE UNIT ON ITS SIDE, YOU MUST REMOVE THE LED LIGHT ASSEMBLY AND GLASS TOP (NOT APPLICABLE TO THE CTS UNIT).

STEP 3.

Attach the LED Light assembly to the electrical tray:

1. Remove the glass top (not applicable to the CTS).
2. Attach each of the two connectors on the LED light assembly to their corresponding connectors in the electrical tray.
3. Nest the top lip of the LED light assembly in the cutout of the electrical tray.
4. Replace the glass top before use (not applicable to the CTS).

STEP 4.

Attach the supplied power cable to the back of the unit and plug into an A/C wall outlet. Turn the power switch to the "on" position. Press and depress the backup buttons on the side of the tablet holder. If the LED lights and vacuum turn on and off move to the next step; if not, check the connections and try again.

STEP 5.

To launch the exposure application, locate the app icon on the tablet. This will likely be pre-configured to show on the tablet's home screen. Tap the icon to start the application. **Note:** If Bluetooth is not active, when the app is launched, it will ask if you'd like Bluetooth to be turned on. You **MUST** accept this for the device to make a connection.

STEP 6.

Establish a connection between the tablet and the unit. You will make the data connection via Bluetooth and can use the USB connection to charge the device.

DATA CONNECTION (BLUETOOTH):

1. Verify that Bluetooth is currently active on the tablet
2. Touch the "Connect" button on the app's home screen.
3. The app will now configure itself to connect to the exposure unit. During this time a series of prompts will appear on the screen. Wait while this configuration takes place.
4. After all prompts have stopped, verify the connection by pressing the "amber on" button.

CHARGING CONNECTION (USB):

1. Connect the micro end of the supplied USB cable to the tablet.
2. Connect the standard end of the USB cable to the USB port on the exposure unit.
3. The tablet should now indicate that it is charging.

STEP 7.

Next, you will want to familiarize yourself with the app. There are three interfaces used;

INTERFACE ONE - TIMER: This is the first interface that appears when the app is launched.

MAIN FEATURES INCLUDE:

- Safe light controls: Pressing this button turns on and off the unit's amber lights.
- Minute, Second, and Millisecond spinners: This allows the user to set the countdown.
- Start: Pressing this will activate the LEDs and vacuum, pump, and begins the countdown.
- Reset: Pressing this stops and resets the timer, UV lights, and vacuum pump.
- Presets: Pressing this takes you to the settings interface where you have access to presets.

STEP 8. INTERFACE TWO RESOURCES:

Is a non-control interface that provides the following features;

ORDER MORE: The left-hand column provides links to allow ordering more supplies.

GET HELP: The right-hand column provides links to educational and help ticket submissions.

STEP 9.

INTERFACE THREE - SETTINGS: This interface allows for basic customization and control and has the following features:

EXPOSURE TALLY: This keeps track of the number of exposures that have been done. This tally is continuous until cleared.

TIME TALLY: This keeps track of the total amount of time for all exposures. This tally continuous until cleared.

VACUUM TIME: This field allows you to input a custom vacuum time. **NOTE:** 20 seconds is the minimum.

(The vacuum is disabled on the arrival of the CTS.)

PRESETS: These fields allow you to input and exposure save times for later use. Input a label and time and press save to store your preset. Select a checkbox and press load, in order to load a preset.

STEP 10.

Remember these final steps when using it for the first time:

- 1. POWERED ON:** Make sure the exposure unit and tablet are powered on.
- 2. CONNECTED:** Connect the tablet to the exposure unit and launch the application. If prompted, agree to activate Bluetooth.
- 3. TEST SAFE LIGHTS:** Press the safe light button to power on and again to power off.
- 4. TEST THE UV LIGHTS:** Using the second spinner set the timer for a few seconds. Press the start button to activate the vacuum and LEDs for the allotted time.
- 5. RESTART:** If having problems making the connection, exit the app, restart the tablet, and retry.

NOTE: Be sure to select "disconnect" on the app before cutting power to the exposure unit. Failure to do this may cause an error to occur with the app.

TIPS & RECOMMENDATIONS

EXPOSURE TIMES: In order to best direct you to properly expose the screen we have compiled the following exposure advice. Screen exposure changes with variables of emulsion, stencil EOM (emulsion over mesh or thickness), mesh count, screen mesh color, film opacity, environment, and art. These recommendations are guidelines, use them to establish a starting point for your own testing.

STARTING POINT: Recommended starting points based on the type of emulsion you are using.

DUAL CURE/DIAZO EMULSION: 1:30-1:45 minutes

PHOTO-POLYMER/DIAZO EMULSIONS: 25-30 seconds

PURE PHOTO-POLYMER EMULSIONS: 16-19 seconds

EXPOSURE TEST: We have included two forms of exposure calculators in order to dial in your correct exposure time.

HALFTONE RETENTION: While the advanced exposure calculator does provide a halftone scale to help you accurately calculate the percent of halftone dot retention in your design, we recommend the following:

- From the output options menu in your artwork program (Photoshop, Corel, or Illustrator), select the option to print a density scale on your artwork.
- Utilize the eye loupe included in your kit to view these with the most accuracy.

HALFTONE BEST PRACTICES FOR THE Y-SERIES UNITS:

- $\text{Mesh Count}/4.5 = \text{LPI maximum.}$
- $\text{LPI} * 4.5 = \text{mesh minimum.}$

TROUBLESHOOTING GUIDE:

NO POWER TO THE UNIT:

- 1. OUTLET:** Check the power outlet and confirm it's working properly.
- 2. POWER INPUT:** To check the power input, make sure the main power switch on the back is activated. Then make sure the power cord is securely connected.
- 3. MAIN FUSE:** Check the main fuse in the back, between the power cord and power switch (replace the fuse if necessary).

TABLET NOT FUNCTIONING CORRECTLY:

- 1. TABLET:** If the tablet isn't turning "on," make sure the tablet is charged to 30 percent (minimum).
- 2. APP:** If the app is having issues with the connection or is crashing, close and restart. To do this use the button on the back of the device and close out of the app so you can restart the device. Using the back button, close out of the app. When it comes back on, go under settings and make sure the Bluetooth is "on". Once you have confirmed the Bluetooth is on, relaunch the app and try to connect.
- 3. POWER CYCLE UNIT:** Close the app and restart the tablet. Then turn the exposure unit off and wait 10 seconds to turn it back on. Once it has restarted, open the app and try to connect.
- 4. COMPATIBILITY CHECK:** (If the above does not rectify the issue, check compatibility.) Turn off the tablet. Install the app from the Google Play store on another device and test the connection.
NOTE: If the issue is not resolved, contact the customer service representative for further help.
- 5. VACUUM:** If the vacuum does not turn on, check the vacuum fuse, located inside the unit on the side of the light panel (replace the fuse if necessary). If the vacuum only turns on via the tablet backup button, contact a local representative for assistance.
- 6. AIR LEAK:** If air is leaking from the hose barb or Valve stem, loosen up the hose clamp and push the hose further onto the valve stem or hose barb. Replace the hose clamp on the end of the hose and secure it tightly. If the air is leaking from the hose or vacuum blanket, contact a local representative for assistance.

UV LEDS NOT TURNING ON:

UV LED: Check the fuse, located inside the unit on the side of the light panel (replace fuse if necessary). If those do not resolve the issue, contact a local representative for assistance.

AMBER LEDS NOT TURNING ON:

AMBER LED: Check the fuse, located inside the unit on the side of the light panel (replace fuse if necessary). If this does not resolve the issue, contact a local representative for assistance.

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WHAT IS COVERED?

BASELAYR warrants any BASELAYR-branded electronic equipment to be free from defects in materials and workmanship for a period of 3 years from the original date of purchase. This warranty covers all BASELAYR-branded manufactured electrical equipment, excluding standard consumables, to be protected against defects, damages, or malfunctions under normal use during the warranty period. If you discover a defect in a product covered by this warranty, we will replace the part to repair the product, using new or refurbished components, or if repair is not possible, replace the item, free of charge.

WHAT DOES THIS WARRANTY NOT COVER?

Shipping or travel associated with a replacement or repair. Any problem that is caused by abuse, misuse, or any "Act of God" circumstance (such as a flood) is not covered. Also, the replacement of any standard consumables that have a natural wear and tear rate that will eventually result in that item needing to be replaced is not covered.

This warranty is non-transferable and can only be used by the original purchaser.

If standard consumables are faulty or damaged upon receipt BASELAYR will need to be notified within the first 48 hours.

ITEMS	COVERED	NOT COVERED
LED UNITS	LED POWER SUPPLIES, AMBER LED POWER SUPPLY, TABLET CHARGER POWER SUPPLY, TABLET, RELAYS, POWER CHORD, FRAME & LID FRAME	GLASS, FUSES, NEOPRENE, LED LIGHT, AMBER LEDS & SHOCKS
DRYING CAB	ALL COMPONENTS	

