




BASELAYR Y3942 LED Exposure Unit User Manual

[Home](#) » [BASELAYR](#) » BASELAYR Y3942 LED Exposure Unit User Manual 

Contents

- [1 BASELAYR Y3942 LED Exposure Unit](#)
- [2 Y-SERIES EXPOSURE UNIT](#)
- [3 Troubleshooting guide](#)
- [4 Tips & recommendations](#)
- [5 BASELAYR](#)
 - [5.1 Limited Warranty](#)
- [6 WHAT IS COVERED](#)
- [7 What does this Warranty not Cover](#)
- [8 Documents / Resources](#)
- [9 Related Posts](#)



BASELAYR Y3942 LED Exposure Unit



Y-SERIES EXPOSURE UNIT

The Y-Series Exposure Unit is a device that emits an intense UV light to expose screens for screen printing. It is important to note that the unit must be used in an area where others will not be exposed to the open UV source. Looking directly into the UV light during operation can be harmful to the eyes even for brief periods of time. If viewing the UV light is necessary, use UV filtered eye protection to avoid damage to your eyes. The bottom of the unit should not be removed unless instructed by the manufacturer, as doing so will put you at risk of electric shock.

Troubleshooting Guide

If you encounter a problem with the unit not powering on, follow these steps:

1. Check the power outlet and confirm it's working properly.
2. Make sure the main power switch on the back is activated. Then make sure the power cord is securely connected.
3. Check the main fuse in the back, between the power cord and power switch. Replace the fuse if necessary.

Tips & Recommendations

Exposure times may vary depending on variables such as emulsion, stencil EOM (emulsion over mesh or thickness), mesh count, screen mesh color, film opacity, environment, and art. Use the following exposure advice as guidelines to establish a starting point for your own testing:

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Warranty Information

The Y-Series Exposure Unit comes with Baselayr's 3-year Electrical Limited Warranty. The warranty covers the frame, power cord, and push button. Light bulbs and ballasts, LED power supplies, amber LED power supply, tablet charger power supply, tablet, relays, power cord, frame & lid frame, glass, fuses, neoprene, LED light, amber LEDs, and shocks are not covered by the warranty. The warranty is non-transferable and can only be used by the original purchaser. If standard consumables are faulty or damaged upon receipt, Baselayr must be notified within the first 48 hours.

WARNING: Unit must be used in an area where others will not be exposed to the Open UV source. This Devices contain an intense UV light. DO NOT look directly into the UV light during operation. This can be harmful to the eyes even for brief periods of time. If viewing the UV light is necessary, Use UV filtered eye protection to avoid damage to your eyes. DO NOT remove bottom unless instructed by the manufacturer, doing so will put you at risk of electric shock.

Troubleshooting guide

No power to 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 main fuse in the back, between the power cord and power switch (replace the fuse if necessary).

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. 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 ai), 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 FX:
 - $\text{Mesh Count} / 4.5 = \text{LPI maximum}$.
 - $\text{LPI} * 4.5 = \text{mesh minimum}$.

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BASELAYR

3-year Electrical

Limited Warranty

WHAT IS COVERED

BASELAYER 3-year Electrical Limited Warranty 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 or 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
Light Table	Frame, Power chord & push button.	Light bulbs & ballasts
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 covered.	
Fan Banks	All items covered (fans, buttons, frame and power supplies).	

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Documents / Resources



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