



ULTRAVIOLET LIGHT SOURCE

Thank you for purchasing the Arista® UV Light Source. We at Freestyle Photographic Supplies are confident that it will live up to the highest level of quality, economy and innovation you are used to from all of our Arista® brand products, providing you with many years of reliable service.

This exposure unit includes the following features and specifications:

- Eight F-15 T-8 bulbs that run a peak wavelength of 370nm and are rated at 15 watts each, tested to provide very even illumination across the entire exposure area.
- The bulbs are specially designed for a fast warm-up time of 1 minute for maximum light output and peak wavelength. (For best results we recommend leaving unit on for consistent exposure over the course of your printing session)
- 60 inch power cord with standard three prong grounded plug for 120V standard outlet and uses 1.9A of power. Less power than other UV light sources.
- The unit's outside dimension is 25 9/16" x 20 11/16" x 7 3/4"
- Interior will accommodate a frame with the outside maximum dimension of 20" x 25"
- Front Lift-Up Easy Access Door opening height is 3 1/4"
- Spring loaded hinges on front (easy-access) door
- The exterior chassis is made of light-weight extruded aluminum
- Durable chrome handle for easy transportation
- Stays cool during long exposures while it effectively dissipates heat with no noise
- No noisy fans, no need for venting space around unit
- On/Off toggle switch
- Velcro attached removable bottom panel with rubber feet for protection of sensitive surfaces and protects bulbs during storage

INTENSE ULTRAVIOLET LIGHT SOURCE!

Use protective eyewear and clothing when using this or any UV Exposure Light Source! This unit emits ultraviolet light during operation. It is like looking into the sun. DO NOT LOOK DIRECTLY AT THE BULBS!

DO NOT USE or place your UV light source near pets, infants or small children. Do not allow children to look directly at the lights. Protect your eyes (use sun glasses/lenses with UV blockers, both A & B) and skin from exposure.

This UV Exposure Light Source should not be used for medicinal, therapeutic or cosmetic purposes.

Exclusively Distributed by

Freestyle™
Photographic Supplies

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Manufactured in the U.S.A.

Frequently Asked Questions:

Q. Why use an aluminum chassis as opposed to wood?

A. In addition to the cost savings of utilizing a mass produced aluminum extrusion, it allows us to use fewer parts. Aluminum is about 1,000 times more effective at conducting heat than wood. (.04 per Watts per kelvin-meter for plywood vs. 237 W/mK for aluminum.) Utilizing aluminum for the chassis more effectively dissipates heat eliminating the need for a venting fan, which would add unnecessary noise, as well as the need for additional venting space around the unit. Aluminum is also very lightweight and durable, an important consideration when used in school and lab environments.

Q. Should I leave the exposure unit on during the course of my printing session or turn it on and off for each exposure?

A. It is better to leave the unit on for extended periods of time (a few hours) and not to turn it on and off for each exposure. The UV bulbs in the unit will last longer and maintain their full peak wavelength and output for a longer period of time versus turning the unit on and off for every exposure. We recommend the use of a stop watch or darkroom timer such as a Gra-Lab timer to time your exposures.

Q. How long will the included UV bulbs last?

A. The bulbs are technically rated with a life of up to 7000 hours (at least 20% more than competing bulbs.) As with all bulbs, the longevity is determined by how they are used, and especially with fluorescent bulbs, how often they are switched on and off. While the bulbs will last for many years of use, it is recommended to replace them every two years.

Q. For which Alternative (Traditional/Historical) Processes can I use the UV Exposure Unit?

A. We have tested this exposure unit with most commonly used Alternative Processes including Platinum/Palladium, Cyanotype, Gum Bichromate and Van Dyke processes. The UV wavelength of the bulbs is suitable for all processes that would normally use sunlight as the exposure source.

Q. The Arista[®] UV Light Source uses fewer bulbs with greater spacing than other exposure units. How does this affect overall light output and evenness of exposure?

A. As tested, this exposure unit provides very even illumination and have found that there is no banding across the entire exposure surface of the unit as opposed to other light sources which have more tubes and other included hardware such as fans, timers, etc. Exposure, as tested was about 20% less than what you would experience using bright sunlight. I.E. if you were used to a 5 minute exposure in bright sunlight, you would need to increase your exposure to 6 minutes using this unit. As with all photographic printing, use an exposure grey scale or test strip to determine proper exposure.

Q. I have never seen an exposure unit with a removable bottom configuration such as is used on the Arista[®] UV Light Source. What is its purpose and what are the advantages?

A. We found that many other UV Light Sources do not provide any way off protecting the bulbs if the unit is stored on its edge so we created a removable bottom as you see it incorporated in to the design of the unit. Manufacturing it of a sturdy white-coated aluminum alloy provides a reflective surface which adds to the overall even exposure with the added benefit of space to adhere rubber feet to protect the surface of your table or counter top.

Q. The hinges on the front of the easy access door are a nice idea but how durable are they?

A. The cabinet hinges used on the Arista[®] UV Light Source are spring-loaded and self-adjusting over time. They will last for the life of the unit.

Q. Are other sizes, configurations and 220/240 volt units available?

A. Yes, upon request

RELATED PRODUCTS

As you use your Arista® UV Light Source you will most certainly find the need for other products related to its use for Alternative and Historical/Traditional Processes as follows:

Contact Frames -

The Ultimate Contact Frame II is custom made in the USA exclusively for Freestyle Photographic Supplies. This contact frame incorporates the very best features of all that have come before it. Made to exacting specifications this new version's frame is now made of dimensionally stable Mahogany hardwood. This product is everything that you have been looking for in a contact printing frame and is built to last. Use for all alternative process printing as well as photo proofing. Two sizes available accommodating 10x12 or 14x17 inch image area and features hinged split back with steel spring clips and rubber feet.



Item #10121 10" x 12" size frame

Item #14171 14" x 17" size frame

Arista-II OHP Film

A clear 7 mil polyester substrate for use in the most popular inkjet printers with dye or pigment inks. Its special coating allows a short drying time and the temperature-stable base makes it suitable for a wide range of applications including indoor and outdoor signage, transparency film emulation or window display. Alternative process photographers use this material to create "digital negatives" for contact printing on hand-coated papers such as those used in cyanotype and platinum/palladium processes. This product has been fully tested by Freestyle Advisory Board Member Dan Burkholder for this purpose.



Item #39382 8.5" x 11" / 20 Sheets

Item #39311 11" x 17" / 20 Sheets

Item #39313 13" x 19" / 20 Sheets

Item #39317 17" x 22" / 20 Sheets

Item #393-132 13" x 32.8 ft. Roll

Fotospeed and Formulary Alternative Process Kits

Visit our website for a full selection of Alternative Process kits and accessories.



Arista® UV Light Source F-15 T-8 370nm Replacement Bulbs – Item #262-0249

Please visit our website at www.freestylephoto.biz for these and other products.