

UV/Visible Fluorescence Photography – Resources Equipment and Tools: Updated 2014

UV lamps

General: For use with the Target-UV, select a UVA lamp with a main emission peak close to 368nm. Larger lamps are more useful for documentation setups. Order two lamps to provide even illumination during documentation.

Raytech Industries: purchase through the company itself; website order available.

Products: makes a series of ultraviolet lamps, including a portable model.

Address: 475 Smith Road, Middletown, CT 06457

Website: www.raytech-ind.com

Email: info@raytech-ind.com

Phone: 1-800-243-7163

Sales email: raysales@cshore.com

Spectronic Corp: purchase through dealers/vendors

Address: 956 Brush Hollow Road, P.O. Box 483, Westbury, NY 11590

Website: www.spectroline.com

Phone: 1-800-274-8888 technical & customer services; 1-516-333-4840 (outside USA and Canada)

UV Systems: purchase through the company itself; website order available.

Products: makers of SuperBright ultraviolet lamps, plus newer TripleBright handheld and display lamps. The TripleBright II with 368nm lamp is highly recommended.

Address: 16605 127th SE, Renton, WA 98058

Website: www.uvsystems.com

Email: info@uvsystems.com

UVP, Inc: purchase through dealers/vendors

Products: makes a series of ultraviolet lamps, including a portable model

Address: 2066 W. 11th St. Upland, CA 91786

Website: www.uvp.com

Email: uvp@uvp.com

Phone: 1-800-452-6788; 1-909-946-3197 (outside USA and Canada)

UltraLum Inc., now BHK Inc.: purchase through the company itself; website order available.

Products: hand held, portable lamps; also handheld analytical lamps. Handheld needs custom mount for documentation. Portable lamp is very easy to use but not as good for photo-documentation

Website: <http://www.bhkinc.com/>

Address: 760 E. Sunkist Street, Ontario, CA 91761

Phone: 909-983-2973

Email: Info@bhkinc.com

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Safety Equipment

Safety is very important. Protect your eyes and exposed skin from prolonged exposure to UV lamps.

Goggles

Goggles are inexpensive and can be purchased from most scientific/lab supply companies or companies that sell UV lamps. Make sure the goggles block both shortwave and longwave UV. <http://www.uvprocess.com/products/chapter.asp?c=SAFETY>

Filters

Recommended for use with the Target-UV

PECA 918

Description: UV-IR cut, some UV is transmitted

Cost: around \$100 or more with custom size

Contact: Gary Garnett gary@pecaproducts.com

Website: <http://www.ir-uv.com/>

Phone: 1-800-999-7322

Kodak 2e

Description: UV cut filter that blocks additional blue light from most UV lamps

Availability: Various retailers, for example: B&H photo

Cost: ~\$35 for 3x3 inch square filter. Order the Cokin P enclosure for this filter if using the filter holder.

http://www.bhphotovideo.com/c/product/503328-REG/Kodak_8301285_3_x_3_2E.html

BG38* *only for modified digital cameras!*

Description: Visible bandpass filter typically installed in camera. Also reduces red sensitivity of sensor. Use for UV/Visible photography with modified or IR sensitive cameras.

Availability: various, large sizes available from Betterlight, Inc.

Cost: ~\$175 for 3 inch square filter

<http://www.betterlight.com/accesoriesPrice.html>

Filter Holders:

Since multiple filters are required, a filter holder that attaches to your lens is recommended. Choose adapter ring to fit your cameras lens. An enclosure for the 2e filter can also be ordered from this company that works with the filter holder.

Cokin P series filter holder with adapter ring, \$35

<http://www.bhphotovideo.com/c/buy/Filter-Holders/ci/9327/N/4232858747>

Cokin P series adapter rings for different lens sizes, \$20

http://www.bhphotovideo.com/c/search?atclk=Brand_Cokin&ci=3838&N=4077634531+4291532520