INSTRUCTIONS FOR THE
ZONE VI
DUO-SAFE
B&W SAFELIGHT

I. Introduction

Thank you for purchasing The Zone VI Duo-Safe black & white safelight. With its dual output settings, we feel it is the best blend of darkroom brightness and fog-free safety for both graded and variable contrast papers.
Thanks to advanced L.E.D. technology, the spectral output will remain constant throughout its incredibly long life of approximately 100,000 hours and you will never have to replace burned-out bulbs or expensive, fade-prone filters. Additionally, to insure consistent output, the circuit is actually voltage stabilized to overcome line fluctuations. And while no paper/safelight/dwell-time combination is totally "safe", you can be assured that you will be getting the maximum workable brightness at reasonable dwell-times (about eight minutes) for all modern enlarging papers, particularly the increasingly popular but very "foggable" variable contrast types.

II. Safety Precautions

1. Read and understand all instructions before mounting, connecting and using this safelight.
2. To reduce the risk of electric shock and since darkrooms are also "wet rooms", be very mindful of safelight's position relative to wet areas.
3. Be sure safelight is securely positioned, whether on the wall or the counter.
4. Do not operate safelight or other electrical devices with loose or damaged power connections.
5. Do not operate if safelight or its power supply has been dropped or otherwise damaged.
6. Position all cords so that they will not pose a tripping hazard.
7. Do not disassemble the safelight or its power supply as there are no user serviceable components in these units. They must be maintained by a qualified factory technician.
8. Be sure the safelight is unplugged when mounting or cleaning.
9. Do not use a power supply other than an identical replacement unit.

III. Installation and Operation

1. The Duo-Safe safelight may be placed in different locations in your darkroom by various methods. Anything from the counter top to the ceiling would be appropriate and the design of the unit lends itself well to most applications. However, we recommend that you mount on the wall, close to the ceiling in either a "bounce" position with the illuminated surface aiming up or a direct attitude with the diffusion surface angling into the room.

2. Which ever mounting method is used, be sure to place the safelight so that the illumination "surface" (which can be either the reflected area when bounce lighting or the actual lighted panel of the safelight itself in the case of direct illumination) is not closer than 48" from areas where the photographic paper will be handled. i.e., papersafes, easels, developing trays, etc.

3. When multiple safelight set-ups are required, be sure to place safelights so that their cones of illumination do not excessively over-lap, particularly at paper handling locations.

4. Actual mounting is accomplished by positioning two flat-shouldered screws with a head diameter smaller than 3/8" (9.6mm) but larger than 3/16" (4.8mm) into your wall or ceiling 3.75 inches (95mm) apart and level. Leave just enough clearance between the screw head and the mounting surface so that you are able to slide the safelight snugly yet fully into the screw-slot. Please take all necessary precautions to use the appropriate mounting hardware dictated by the composition and construction style of your walls and/or ceiling.

5. Connect the mini-plug end of the power supply into the socket in the side of the Duo-Safe. Make sure it is fully inserted and seated.

6. Unlike other "super" safelights that do not have instant-on capability, you may plug the Duo-Safe's power supply directly into the safelight outlet on your enlarging timer if so equipped. Indeed, this is the recommended method of utilization as safelight exposure is kept to a minimum because it is automatically switched off when the enlarger lightsource is turned on. This also makes focusing, composing, dodging and burning much easier since the rest of the room is totally dark and the projected image on the easel will not exhibit "safelight glare" reflections. However, if desired, you may plug the power supply directly into a wall socket and the safelight will remain on as long the AC power is flowing.

7. Position the paper type selector switch to the desired setting determined by the kind of paper you are using: "V.C." or "Graded". The "Graded" setting is approximately three stops brighter than the "V.C." so if variable contrast paper is inadvertently handled under the higher illumination level, print highlight fogging is very probable. However, graded papers will be totally safe under the "V.C." brightness level.

IV. Specifications (U.S. version)

Dimensions: Width: 6-1/16" (152mm)
Length: 8-7/16" (211mm)
Height - front: 2-3/8" (60mm)
Height - rear: 5-7/16" (138mm)

Power requirements: 9 Volts DC @ 300 milliamps (with furnished power supply) fed from 117 Volts AC 60Hz household current

Power Supply cord length: 72" (1.8m)

Weight: Safelight only - 1 lb. 14 oz. (.85 kg.)
Power Supply - 6 oz. (.17 kg.)

Please note: This safelight is designed to be used with normal black and white enlarging papers and is not safe and cannot be made safe for use with color papers, including panchromatic black and white papers such as Panalure and Ektamax.

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