

Why Aristo Cold Light for Enlarging?

7 Advantages of Enlarging with Cold Light

More and more photographers turn to cold light to solve a wide variety of printing problems. If you are serious about photography, cold light will enable you to achieve superior black and white or color prints. With its many advantages, you can see why cold light is the most widely used and preferred choice by leading photographers.

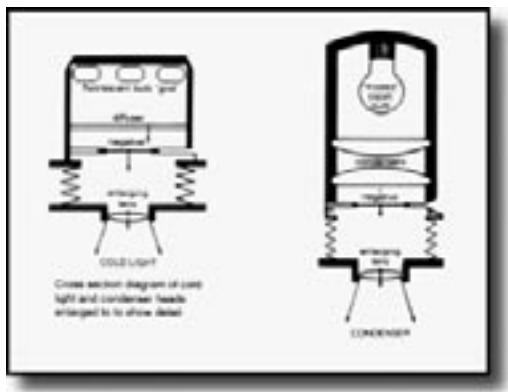
- 1. No Heat**
Negatives will never warp or buckle with a cold light head. The temperature in our lamp housing is maintained at a constant 105°F. This eliminates the frustrating “pop” in the middle of an exposure, especially with larger format negatives.
- 2. No Hot Spots**
Hot spots are eliminated when you use cold light. The full light coverage produced by a unique tube pattern insures edge to edge, even illumination.
- 3. Greater Printing Speed**
Reduced exposures (up to 3 times) are often achieved by matching highly efficient lamp spectral curves to photographic paper specifications. This means lower power consumption and sharper pictures.
- 4. Contact Print Quality**
If your enlargements are not of contact print quality it is probably caused by the callier effect. This produces unnecessary contrast, washing out highlights and causes an undesirable “soot and chalk” look. Compare a cold light print to one made by Tungsten condenser and you will immediately see the superior tonal quality difference.
- 5. Less Print Spotting**
Highly diffused rays suppress dust rather than magnify it. Without sacrificing sharpness the unique quality of cold light helps eliminate dust, scratches and other surface blemishes.
- 6. More Headroom**
Cold light heads provide up to 75% lower profile than conventional ones. This can mean dramatic increase in headroom, permitting larger prints where ceilings are low.
- 7. Long Lamp Life**
By maintaining optimum temperature, longer lamp life, instant peak intensity and consistency are assured with the Aristo patented thermostat system. Depending on model, cold light lamps can have a life expectancy up to 10,000 hours. That is equivalent to 416 days and nights of constant burning! There is virtually no change in color temperature during the lamp life.



How Cold Light Works

Cold Light vs. Condenser

Condenser type enlargers (focused light) scatter light disproportionately through the negative, especially the highlights, with the resulting loss of original tone values. Condensers accentuate dust, grain, surface scratches and other imperfections. With the Aristo cold light, dodging, burning and retouching in many cases is unnecessary, yielding a rich luminous print without loss of detail or tonal quality.



Diffusion Faults Eliminated

A standard diffusion enlarger uses light from a concentrated source leaving a visible hot spot in the center and uneven illumination toward the outer edges. Aristo has eliminated this fault by developing specially wound grid lamps which cover the entire negative and beyond. The opal diffuser then blends the light to produce full coverage and even illumination across the entire surface.

The Aristo cold grid light unlike either the condenser or diffuser types, permits proper, efficient transmission of light through the negative and optical system. The result a savings of time, labor and material.

