



Ring Lights:

Standard and MetaBright™ Series

Our *Metaphase* Ring Lights offer shadowless illumination, intensity, power and 5x lifetime over fluorescents. Ring lights are essential for lighting specular or diffused surfaces. Our MetaBright Ring Lights are built with high density LEDs that create bright illumination of surfaces for a wide spectrum of inspection purposes.

Metaphase ring lights are specially designed to project an even 360 degree overlapping ring of light from camera to lens. In most front lighting applications our ring lights are a simple, low cost solution to camera lighting.

Machined from a solid block of 6061-T6 aluminum all of the ring lights we make are just as robust and employ Metaphase's proprietary thermal management technology to dissipate internal die temperature externally. Three 1/4-20 tapped holes provide the ability to mount the ring light directly on the camera and lights are compatible with most camera brackets for direct mounting.



Fastener inspection imaging with Metaphase Near Axial Ring Light.

Features:

- Exclusive prealignment process aims and then thermally pots each LED
- Configurable for various wave lengths including IR, UV and RGB
- Continuous, Dimming, and Strobing Controllability Modes
- Homogenous light output
- Provides ON-axis illumination
- Solid one-piece machined aluminum housings and thermal potting assures long life performance even in rugged environments

Applications:

- Label Identification
- Direct part marking identification
- Surface inspection and finishes
- Microscopic stage illumination
- Solder joint inspection
- Components identification
- Molded part features
- Close-up, near-shadowless single light illumination applications

