

# COLOR BALANCING FILTERS



*Color balancing filters correct apparent color and contrast introduced by artificial white lighting, restoring natural colors.*

Used to modify the color balance in LED, fluorescent, halogen, metal halide, tungsten, and other white lighting, making colors appear more natural. The LA series (Minus Blue) reduce blue shading that often strongly predominates in white LED and xenon strobe lighting. The LB series (Minus Red) reduces the red hue found with some tungsten and halogen lighting.

## FEATURES

- Corrects artificial white lighting to improve color rendition
- Warm or cool a subject or scene to modify apparent color
- VIS wavelengths

**Useful for:** correcting the “blue spike” in white LED output – most effective and economical alternative to using “warm white” LEDs

## MOUNT & SIZE OPTIONS

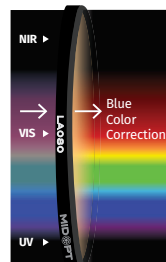
- **LA and LB:** Threaded Mount, C/CS Mount, Slip Mount, Unmounted
- **FL550:** Threaded Mount, Slip Mount, Unmounted
- Threaded Mount Sizes: M13.25-M105
- Custom shapes and sizes available

## DEFINITION

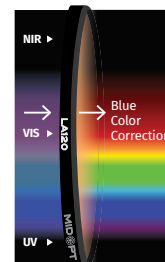
Color Balancing Filters typically are used in color camera applications to achieve accurate color rendition. Depending on the light source being used to illuminate a subject, apparent tint or color can be altered. By selecting the appropriate filter for insertion over the camera lens, color can be brought back into balance and objective evaluation of hue and shading can then be carried out.

| Part # | Description                   | Useful Range | Mired Shift Value | Tolerance   | Surface Quality |
|--------|-------------------------------|--------------|-------------------|-------------|-----------------|
| LA080  | Color Balancing (Minus Blue)  | 400-700nm    | -80               | +/- 5 Mired | 40/20           |
| LA120  | Color Balancing (Minus Blue)  | 400-700nm    | -120              | +/- 5 Mired | 40/20           |
| LB080  | Color Balancing (Minus Red)   | 400-700nm    | +80               | +/- 5 Mired | 40/20           |
| LB120  | Color Balancing (Minus Red)   | 400-700nm    | +120              | +/- 5 Mired | 40/20           |
| FL550  | Color Balancing (Minus Green) | 400-700nm    | N/A               | +/- 5 Mired | 40/20           |

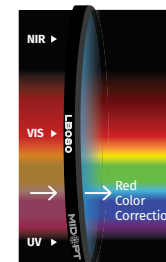
*\*Due to continuous product improvement, specifications are subject to change without notice.*



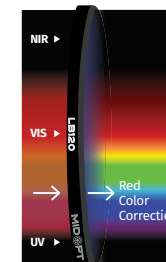
● LA080



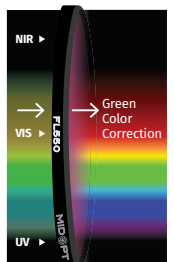
● LA120



● LB080



● LB120



● FL550