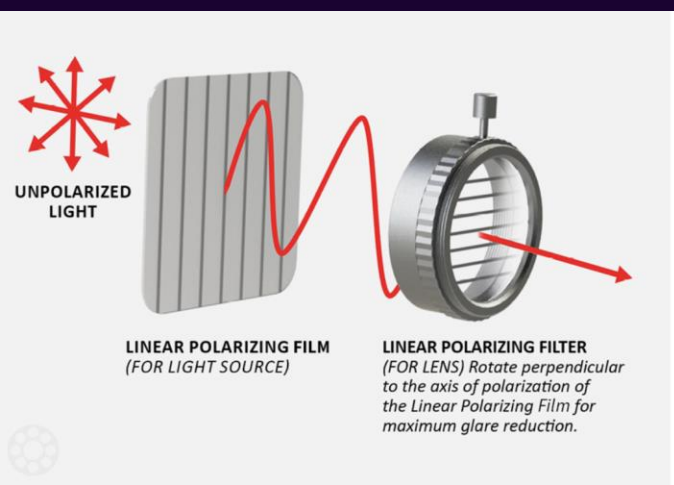
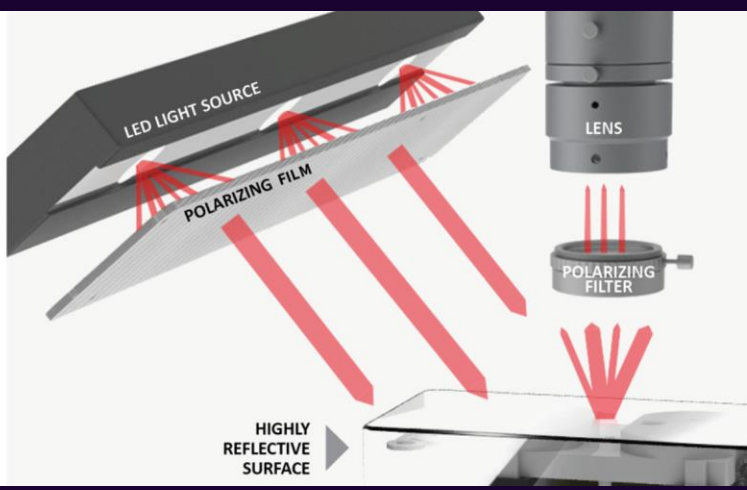
Vision Light Tech
creating optical solutions

GLARE REDUCTION

Light reflected from a non-metallic surface becomes polarized, resulting in specular glare. Common applications that produce glare include smooth surfaces or surfaces covered with grease, oil or liquid. Reduce glare and achieve the best image results by using a polarizing filter over the lens and polarizing film over the light source. MidOpt offers three types of polarizers: “PR/PL” Series Linear Polarizers, “PC” Series Circular Polarizers and “Pi” Series Infrared Polarizers. PR/PL are the most common polarizers used to decrease glare over the 400 to 700 nm wavelength range. PC Polarizers are effective in the 400 to 700 nm wavelength range, popular in photography and recommended when a camera has a light metering or auto-focus function. Pi Polarizers are sophisticated wire grid linear polarizers that decrease glare over the 700 to 1,100 wavelength range.





Optimal glare reduction is achieved when a linear polarizer is orientated to pass only light polarized in the direction perpendicular to the reflected light (the glare). Aside from reducing reflections, polarizers help improve contrast, increase color saturation, allow for evaluation of stress in transparent plastic and glass and can be used in pairs to form a variable neutral density filter. Click here to get to our polarizers.

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