Laser Pointer Protection

Laser pointer protective products have been designed to protect anyone using a laser pointer as well as anyone being lased by one wielding a laser pointer. Laser pointers are typically safe as manufactured, but, do cause anyone exposed to jump or startle when exposed to a beam. This is commonly referred to as the dazzle effect and, it is of particular concern among pilots being lased upon landing. More recently, laser pointers, in some cases, have been weaponized by removing power-limiting and/or beam-limiting filters thus turning simple pointers into very dangerous automatic weapons, blinding in less time than the human eye can blink (the human eye aversion response, aka, blink response time is 0.25 seconds). Permanent or partial blindness are typical results of such senseless attacks. Fortunately, we can reduce the hazardous energy effectively by blocking known laser pointer threats in specifically designed protective products. Our laser pointer strike-protection series are designed to block hazardous lasers pointer emission by at least 90% and up to 98% or more. Such protection significantly reduces the chance for serious eye damage. We strive to block the most common laser hazards in each design but, practically speaking, we cannot block every wavelength and still be able to see through the sheet. We offer nighttime (NITE) filter designs that block six (6) known common laser-hazards for UV, Blue, and Green pointers. LPP-NITE has the least tint allowing for use in low lighting and vehicle operation. LPP-NITE-HD protects the same six hazards intensely (blocking 99.999% of emissions), but it is not advisable to be used while operating a vehicle. For those who want to add protection from six (6) Red, Orange, and Yellow pointers to the six (6) common hazards (blocking twelve (12) total known laser-pointers wavelengths), then select LPP-DAY. This filter is a green or greenish brown color with a color density similar to a sunglass lens. It is designed for use in brighter, day time lighting conditions.

Sheet Products

1019-LPP-NITE

Transmission Reduction of 90-98% results in OD 1-2 for these hazards

405 nm	445 nm	473 nm	515 nm	520 nm	532 nm

$1000 Per Sheet
24"x36"

Sheet Color: Light Orange

Transmission

Photopic (Daytime)	Scotopic (Nighttime)
53%	12%

Available in .060" Flexible Thickness or .125" Rigid Thickness

1019-LPP-NITE-HD

Transmission Reduction of 99.999% results in OD 5+ for these hazards

405 nm	445 nm	473 nm	515 nm	520 nm	532 nm

$1000 Per Sheet
24"x36"

Sheet Color: Deep Orange

Transmission

Photopic (Daytime)	Scotopic (Nighttime)
34%	4%

Available in .060" Flexible Thickness or .125" Rigid Thickness

1019-LPP-DAY

Transmission Reduction of 90-98% results in OD 1-2 for these hazards

405 nm	445 nm	473 nm	515 nm	520 nm	532 nm	589 nm	594 nm	633 nm	635 nm	638 nm	650 nm

$1000 Per Sheet
24"x36"

Sheet Color: Green

Transmission

Photopic (Daytime)	Scotopic (Nighttime)
18%	8%

Available in .060" Flexible Thickness or .125" Rigid Thickness

Lens Blanks

1219-LPP-NITE Transmission Reduction of 90-98% results in OD 1-2 for these hazards

405 nm	445 nm	473 nm	515 nm	520 nm	532 nm

Transmission

Lens Color:	Photopic (Daytime)	Scotopic (Nighttime)
Light Orange	47%	11%

Available as:

Finished Size 6 base plano power, 73mm diameter by 3mm thickness for $50/pair

Semi-Finished 2, 4, 6, or 8 Base lens for ophthamic Rx for $100/pair

1219-LPP-NITE-HD Transmission Reduction of 99.999% results in OD 5+ for these hazards

405 nm	445 nm	473 nm	515 nm	520 nm	532 nm

Transmission

Lens Color:	Photopic (Daytime)	Scotopic (Nighttime)
Deep Orange	41%	5%

Available as:

Finished Size 6 base plano power, 73mm diameter by 3mm thickness for $50/pair

Semi-Finished 2, 4, 6, or 8 Base lens for ophthamic Rx for $100/pair

1219-LPP-DAY Transmission Reduction of 90-98% results in OD 1-2 for these hazards

405 nm	445 nm	473 nm	515 nm	520 nm	532 nm	589 nm	594 nm	633 nm	635 nm	638 nm	650 nm

Transmission

Lens Color:	Photopic (Daytime)	Scotopic (Nighttime)
Greenish Brown	15%	8%

Finished Size 6 base plano power, 73mm diameter by 3mm thickness for $50/pair

Semi-Finished 2, 4, 6, or 8 Base lens for ophthamic Rx for $100/pair

PSI Polymer Solutions Inc.