




Product Details

Model Number	TLSR-F7L
Material	Polycarbonate
Color	Reflective Amber
Product Weight	25 g.
Specification	ANSI Z136 ANSI Z87.1 L4
Description	Reflective laser & high intensity light protection shield. Designed to be field mounted without tools to the front of the Paulson DK7 face shields w/ liquid seal.
Visible Light Transmittance	>5%
OD Ratings	>OD3 at 405 nm Violet; >OD4 at 445 nm Blue; >OD2.7 at 510 – 525 nm Green; >OD1.3 at 632 – 660 nm Red.
Hazard Analysis & Training	A Laser Safety Officer (LSO) should review the laser hazard and determine the protection level required. The LSO should review the requirements of ANSI Z136.1.
Competitive Advantage	<ul style="list-style-type: none"> • Dual use shield that protects against laser pointers & handheld lasers, as well as high intensity lights. • Designed to reduce the dazzle effect of red, green, blue, violet and other colors of laser pointers up to a rating of 3R for an exposure time of 1/4th of a second. • Reflects 70% of the laser energy back toward the source. • Reduces 95% of high intensity light beams. • Designed to allow a small percentage of laser to pass through the shield, enabling the user to identify the source of the laser while not being harmed. • Protects against both steady and strobe beam high intensity lights. • Attachment system allows for easy removal and cleaning. • Shield provides laser protection directly in user's field of view, while looking below the product allows for clear vision. • Allows the user to maintain situational awareness while facing a high intensity light beam. • Does not cause internal reflection.
Applications	Police, Sheriff, National Guard, University Police, Riot Squad, Military, SWAT
Country of Origin	USA
CA Prop. 65 Warning 	Reproductive - For more information, go to www.P65Warnings.ca.gov
Comments	Helmet not included. Face shield sold separately.



Optical Density Chart (typical values)			
Pointer Category	Pointer Type	Actual Test Wavelength	Optical Density
405nm Violet	Diode	403nm	OD 3.2
445nm Blue	Diode	445nm	OD 4.4
510-525 Light Green	Diode	511nm	OD 2.9
532 Lime Green	FD DPSS	532nm	OD 1.9
593 Amber	OPO	593nm	OD 1
632 Red	HeNe	632.8nm	OD 1.4
635 Red	Diode	637nm	OD 1.4
650 Ruby Red	Diode	655nm	OD 1.6
660 Ruby Red	Diode	660nm	OD 1.7

Assembly & Care

1. Remove product from package and peel protective film from both sides. The front is the reflective surface and is marked with the labeling. Retain the box for future storage.
2. Clean the original shield front surface with mild soap and water, rinse and pat dry. Wipe area for hook and loop attachment with 91% isopropyl alcohol and let dry.
3. Place the laser shield onto the front surface of the face shield. Peel adhesive strips from loop pads and press into place at ends.
4. The laser shield does not pivot independent of the face shield.
5. Inspect the laser shield for damage, replace if scratched, damaged, or faded from exposure to the sun.
6. Disassemble the laser shield for cleaning, separating hook and loop attachment at ends of shield. Clean the laser shield with mild soap and water, pat dry.
7. Do not overexpose this product to sunlight.
8. If product is removed and stored, use original box and packing.

Warning

- This product does not provide unlimited protection to laser exposure. Do not stare into the beam.
- Never use this product to look at any laser beam.
- Regardless of the rating on the laser device it may produce a beam at a higher power. This can produce a dangerous level of laser light.
- This product may affect color perception.

