

LASEREDGE PRO RIDGED LASER BARRIER

PRODUCT INFORMATION



PHILLIPS SAFETY
PRODUCTS INC.

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LASEREDGE PRO RIDGED LASER BARRIER



The LaserEdge Pro Ridged Laser Barrier is a wide-format, rigid safety system engineered for high-output industrial laser environments. Measuring an expansive 59" wide by 78.75" high, this barrier provides a massive safety footprint, making it the ideal choice for enclosing large work cells or creating multi-operator safety zones. The LSB-1520 combines industrial-grade durability with a professional aesthetic, designed to withstand the rigors of 24/7 manufacturing environments.

Elite-Level Performance & Thermal Resistance: The LaserEdge Pro Ridged Laser Barrier is defined by its exceptional thermal management and resistance to high power densities.

High-Density Protection: Rated for a PEL greater than 258.09 W/cm². This indicates a high level of resistance against sustained beam strikes without structural failure.

Tested Wavelength: Specifically validated at 1070nm (standard for high-power fiber lasers used in cutting and cleaning).

Extreme Endurance: Unlike standard barriers that may be rated for 10 seconds, the LSB-1520 is tested for 100 seconds, offering a massive safety margin for automated systems where a beam might stay "stuck" on a surface before an interlock triggers.

Precision Testing: Performance is verified using a 1mm beam diameter, simulating a highly concentrated, worst-case scenario strike.

SPECIFICATION

SIZE: 59" W x 78.75" H

SAFETY STANDARDS: EN60825, IEC60825

PROTECTION LEVELS: is tested at 1070nm and achieves a Permissible Exposure Limit (PEL) exceeding 258.09 W/cm² over a 100-second duration.

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