

LASEREDGE PRO RIDGED LASER BARRIER

PRODUCT INFORMATION

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PHILLIPS SAFETY
PRODUCTS INC.

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LASEREDGE PRO RIDGED LASER BARRIER
LSB-1520



The LaserEdge Pro Ridged Laser Barrier is a rigid safety system engineered for high-output industrial laser environments. It measures 31.5" wide by 78.75" high, 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 Rigid Laser Barrier is defined by its exceptional thermal management and resistance to high power densities.

High-Density Protection: Rated for a PEL greater than $PEL > 15805.10W/cm^2$, Wavelength=1070nm spot diam=1mm, T=100s

Tested Wavelength:

Wavelength 1064nm, laser output 400W CW, spot diam 6mm after 100s exposure, first layer of safety panel damaged

Wavelength 1064nm, laser output 3000W CW, distance 600mm after 5s exposure, first layer of safety panel damaged, 60mm damage diameter, middle layer and back remain intact

Thickness: 4mm, three tier structure

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.

Primary Applications: Large-Scale Robotic Integration; Research & Development Labs; Material Testing & Ballistics Labs; “Clean Room” Safety Partitions.

SPECIFICATIONS

SHIPPING WEIGHT: 2512 oz
SHIPPING DIMENSIONS: 89 x 29 x 40 in

SIZE: 31.5" W x 78.75" H
SAFETY STANDARDS: EN60825, IEC60825

PROTECTION LEVELS: Rated for 3000W Continuous Wave (CW) | Successfully prevents penetration for 5 seconds of direct radiation at a distance of 60cm

CONTACT

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