

## CHAPTERS

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Safety and Blackout

Beam Blocks

Alignment Tools

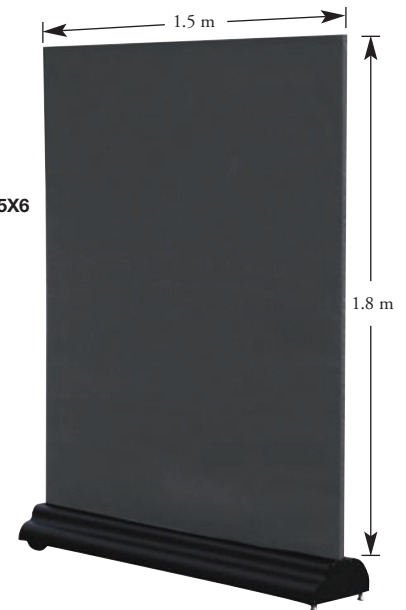
ESD Protection

## Laser Safety Barrier

## Features

- 5' x 6' (1.5 m x 1.8 m) Laser Safety Barrier
- High Damage Threshold
  - 230 W/cm<sup>2</sup> @ 10.6 μm (CW)
  - 175 W/cm<sup>2</sup> @ 1064 nm (CW)
  - 47 J/cm<sup>2</sup> @ 1064 nm (200 μs Pulses, 20 Hz)
- Includes Strip of Material for Coupling Two Side-by-Side Barriers
- Wheels Provide Mobility
- Leveling Feet for Stationary Stability
- No-Trip Design Base Eliminates Cross-Feet
- All Components are Stored Within Base
- Simple to Assemble

SB5X6



Laser safety barriers are an essential laser safety component for use in many high-power laser labs where scattered light must be blocked to avoid the potential for irreparable eye damage. Please check our website for detailed damage threshold information and ANSI certification.

## Compact Design

The 5' x 6' (1.5 m x 1.8 m) barrier is supported by a base with a footprint of only 60.13" x 12.3" (1.5 m x 30.8 cm). By not using cross-feet, the base eliminates the tripping hazard that many other laser barriers create. Mobility is provided via two fixed wheels on one end and two leveling feet on the other end. When one side of the barrier is lifted, it can be easily transported around your lab. When lowered, the leveling feet ensure that the barrier will remain stationary.

All construction components are stored in the base upon shipment. The barrier is bolted together using locking collars and 1/4"-20 cap screws. The barrier material simply wraps around the construction rods and is secured onto the rods using hook and loop fasteners.

## Coupling Multiple Barriers Together

When a longer barrier is needed, place multiple SB5X6 barriers side-by-side and use the included strip of safety material to couple them together. These strips attach to the barrier using hook and loop fasteners so that larger safety barriers are simple to construct. If a different laser barrier configuration is needed for your lab, please contact our Technical Support team to discuss our custom capabilities.

ITEM #	\$	£	€	RMB	DESCRIPTION
SB5X6	\$ 1,250.00	£ 900.00	€ 1,087.50	¥ 9,962.50	Laser Safety Barrier, 5' x 6' (1.5 m x 1.8 m)

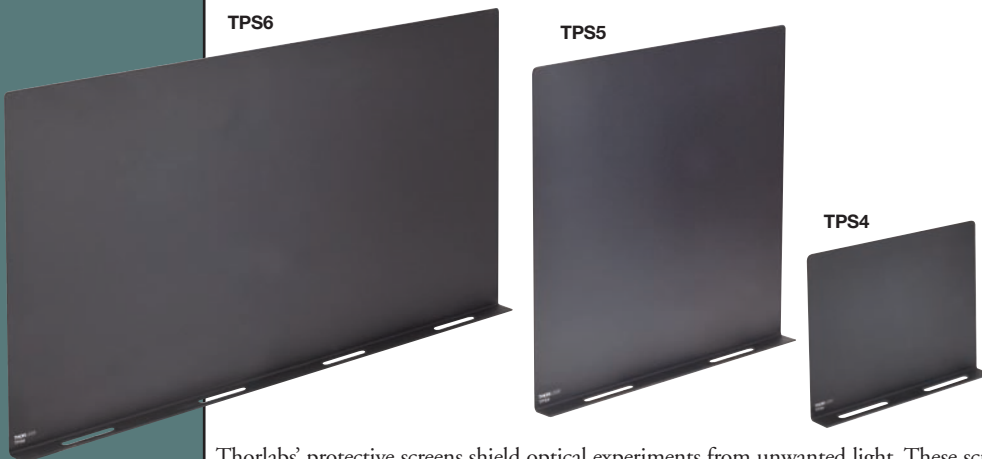
## Table-Mounted Protective Screens

NEW  
versions

TPS6

TPS5

TPS4



## Features

- Three Sizes Available
  - TPS4: 8" x 6" (203 mm x 152 mm)
  - TPS5: 12" x 12" (305 mm x 305 mm)
  - TPS6: 12" x 24" (305 mm x 610 mm)
- Screens Bolt Directly to Breadboard or Optical Table
- Slotted Mounting Holes Provide Mounting Flexibility
- Black Anodized Aluminum Construction

Thorlabs' protective screens shield optical experiments from unwanted light. These screens are constructed with black anodized aluminum, making them lightweight, while minimizing reflected light. Mounting is simple using the slotted through holes for 1/4"-20 or M6 cap screws. The TPS4 has the added benefit that it is post mountable via a through hole for #8 or M4 cap screws.

ITEM #	\$	£	€	RMB	DESCRIPTION
TPS4	\$ 41.00	£ 29.52	€ 35.67	¥ 326.77	8" x 6" (203 mm x 152 mm) Protective Screen
TPS5	\$ 58.00	£ 41.76	€ 50.46	¥ 462.26	12" x 12" (300 mm x 305 mm) Protective Screen
TPS6	\$ 89.00	£ 64.08	€ 77.43	¥ 709.33	12" x 24" (300 mm x 610 mm) Protective Screen