



# SoftBlack blackout solutions

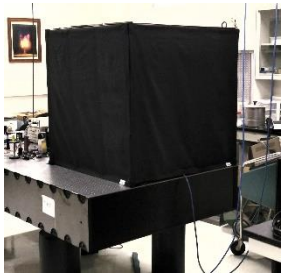
Economical and fully customizable blackout products for optics and photonics.

Website: [www.grayflare.com](http://www.grayflare.com)

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## SoftBlack blackout curtains

We are pleased to offer a versatile, easily installed, and economical optical laboratory blackout solution. Born of our own need to isolate optical experiments from other parts of our lab, we created a useful, convenient, and economical blackout solution that can be readily customized for your experiment. Softblack is also excellent for photo studios or other similar applications.



The fabric panels are lightweight and easy to install. They are opaque, easy to handle, and have a professional look and feel. These systems are best for blackout requirements and they are NFPA-701 flame retardant.

For laser barrier fabrics, please see our Tourev curtains.

### Options

**Magnets:** SoftBlack can be attached to any magnetic surface. Our standard systems have rare earth magnets sewn directly into the fabric along the edges of the curtain. 12-inch magnet spacing is standard.

**Hook-and-loop:** For non-magnetic frames, we sew Velcro along the edges of the SoftBlack panels and supply you with adhesive tape of the opposite “polarity”.

**Grommets:** for blackout curtains, grommets will be installed on a 9-inch spacing at the top of the curtain. Just tell us the dimensions of the curtain you want and we'll quickly send you a quote.

**Rails:** Curtain rails are sold separately (see our website).

**Frames:** Our frames are lightweight steel tubes, matte black with 1-in<sup>2</sup> cross section. Assembly is quick and tidy. Magnetic curtains will attach directly to the frame.

### Blackout quality

For extremely sensitive experiments where even single stray photons may influence the results, several precautions must be taken.

SoftBlack curtains have been tested using broadband and laser sources. Light leaks, if present, usually occur where the curtain mounts to the frame. Our regular blackout systems have a 9-inch spacing between the magnets. We find that this is suitable for most experiments.

We also offer high-density magnetic placement, with magnets separated by 6 inches. In our experience it is difficult to observe light leaks from these systems. Tighter magnet spacing will increase the cost of the system. Alternatively, the hook-and-loop system holds the curtain at all points, so there is little opportunity for light leaks.

### Pricing

A full price list in Canadian dollars can be found at [www.grayflare.com](http://www.grayflare.com). Since every setup is unique, we encourage you to email us with your exact dimensions, and we will quickly get back to you with a quotation for your blackout system.

