

Where to find a beam splitter



AI Overview

Beam splitters can be purchased from specialized optics suppliers such as Edmund Optics, Thorlabs, GoPhotonics, RP Photonics, and DigiKey, offering a wide range of types and specifications. Major Suppliers and Options

Edmund Optics: Offers plate, cube, pellicle, polka dot, and specialty prism beam splitters with various anti-reflection coatings and substrates. They provide standard, dichroic, polarizing, and non-polarizing options suitable for laser systems, fluorescence applications, and interferometry.

Thorlabs: Provides plate and cube beam splitters, including polarizing, non-polarizing, and dichroic types. They also offer pellicle, crystal, Brewster windows, and wedged plates, with detailed specifications for splitting ratio, polarization, and wavelength.

GoPhotonics: Lists beam splitters from multiple manufacturers such as MKS | Newport, Ross Optical, and Edmund Optics. Users can filter by type, wavelength, and polarization, download datasheets, and request quotes.

RP Photonics: Offers a buying guide and supplier list for cube and plate beam splitters, including dielectric and metallic types, with guidance on applications like interferometry, laser systems, and microscopy.

DigiKey: Provides in-stock beam splitters for immediate purchase, filterable by type (cube or plate) and wavelength, suitable for fiber optics and other optical systems.

Tips for Selecting a Beam Splitter

Type: Choose between cube (rigid, no beam displacement) or plate (lightweight, small footprint) depending on your setup.

Splitting Ratio: Decide on the desired intensity split (e.g., 50:50, 70:30).

Polarization: Select polarizing or non-polarizing based on whether you need to separate light by polarization.

Wavelength: Ensure the coating or material is compatible with your light source (UV, visible, or IR).

Application: Consider your use case—interferometry, laser monitoring, microscopy, or fluorescence detection—to choose the appropriate type and coating.

By visiting these suppliers' websites, you can compare specifications, request quote...

Article Content

All You Need to Know About Beam Splitters

Explore the types, workings, and uses of beam splitters in high-tech devices.

What Are Optical Beam Splitters?

What Are Optical Beam Splitters? Key Takeaways Beam splitters, essential for applications such as teleprompters and holograms, have different types that play

Beam Splitters - Buyer's Guide & Supplier List | RP

This buyer's guide for beam splitters provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Beamsplitters

Precision Optical offers a wide selection of both standard and custom beam splitters of the following varieties: Cube, periscope, and penta prism

The Buyer's Guide to Beam Splitters | Blue Ridge Optics

Find the right beam splitters for your next project. Explore various beam splitter types, properties, and applications

The Buyer's Guide to Beam Splitters | Blue Ridge Optics

Matching the beam splitter's specifications to the characteristics of the light source ensures optimal performance. This minimizes light losses and aberrations while maintaining the

Photonics 101

As the name suggests, a beam splitter refers to an optical device which is used to split or divide a beam of light into two. A beam splitter is usually the cornerstone of most interferometers.

What are Beam Splitters?

From holograms, to teleprompters, to robotics, you'll find beam splitters at the root. Dive into our comprehensive guide to help you DIY!

Optical Beamsplitters | Beamsplitter Selection | Edmund Optics

Find top-quality Beamsplitters for laser systems & more. Shop a variety of beamsplitters at Edmund Optics for precision light splitting needs. [Click Here!](#)

How does a beam splitter work? Common types and use cases

Understanding Beam Splitters Beam splitters are essential optical components used to divide a beam of light into two or more separate beams. They play a crucial role in various scientific,

Molecular Expressions Microscopy Primer: Physics of

Specialized non-polarizing beamsplitter coatings have been designed for use with polarized laser light where the incident radiation must maintain its

Beam Splitters

Beam Splitters from the leading manufacturers are listed below. Use the filters to narrow down on products based on your requirement. Download datasheets and request quotes for products that you

Beam Splitter

4.1 Beam splitters Metasurfaces are a solution to the existing problems of conventional beam splitters composed of natural materials [14, 206–212] which impose a relatively high cost, large loss and

Beam Splitter

A beam splitter is defined as an optical device that effects a linear transformation of fields presented at two input ports, producing output beams that are related to the input fields in a characteristic manner

Beam Splitters

Beam splitter cubes can be used for simple light beams, and also for beams carrying images, e.g. in various types of cameras and projectors. Cube beam splitters cannot tolerate high optical powers as

What are Beamsplitters?

Options range from laser beam combiners designed for specific laser wavelengths to broadband hot and cold mirrors for splitting visible and infrared light. This type of beamsplitter is commonly used in

Where can I find the Gatling plasma beam splitter mod? : r/fo76

Where can I find the Gatling plasma beam splitter mod? This thread is archived New comments cannot be posted and votes cannot be cast

Beam Splitters: Types and Applications

Beam splitters find their application in a diverse array of fields, from teleprompters to robotics, impacting various technologies we rely on daily. These unassuming

Beamsplitter Mirror

Beamsplitter mirrors, also known as transparent mirrors or “beam splitter” mirrors, have an optical grade dielectric coating on the face of the mirror which reflects

Prisms | Custom Prisms

Precision Optical offers a wide selection of both standard and custom beam splitters of the following varieties: Cube, periscope, and penta prism beamsplitters, as well as custom shaped

Beam Splitter

Beam Splitters Reduction of the laser power before reaching the camera is oftentimes required to obtain a usable signal, one that is not saturating or damaging the camera. These beam splitters are

Beam Splitters and Combiners — FindLight

Browse Beam Splitters and Combiners for fiber-optic light transport. Compare specs, vendors, and request quotes directly on FindLight.

Beam Splitters – optical power splitter, beamsplitter, thin

Beam splitters are devices for splitting a laser beam into two or more beams. There are different types, including polarizing and non-polarizing versions.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.sky-connect.co.za>

Email: info@sky-connect.co.za

Phone: +44 20 7946 0958

Address: 1 Cornhill, London EC3V 3ND, United Kingdom

This document is for informational purposes only. Specifications subject to change without notice.

