Wide-angle beam splitter

Embodiments of an apparatus, system and method for a wide-angle wide band beamsplitter made with low index glass are described.

For optimal product performance and quality, system designers demand consistent performance from optical components such as Polarizing Beam Splitter (PBS) coatings. The performance of ...

Manufactured for wavelength ranges between 420 and 2600 nm, this polarizer is ideal for broadband and wide field-of-view applications. Wire grid polarizing beam splitters are manufactured out of our ...

Our beam splitters are made from high grade glass material with laser grade surface flatness & surface quality for tighter tolerance on the splitting ratio.

In this paper, an ultra-wide-angle 1×11 beam splitter is designed by using one-dimensional rigorous coupled-wave theory and genetic algorithm. The maximum diffraction angle of ...

These are plate beamsplitters nominally designed for use at 10.6 µm at 45° angle of incidence. They can be supplied in various diameters and thicknesses, and with a wide range of different reflectance and ...

In optical systems where wide-angle beam manipulation is essential, traditional scalar-based models often fall short. This study introduces a 2D beam splitter design grounded in vector ...

DOE with wide diffraction angle requires the feature size down to subwavelength. However, the emerging vectorial effect of light beam makes the scalar diffraction theory invalid. To ...

Here, we present the adjoint method for modeling wide-angle diffractive optical elements like 7x7 beam splitters with a maximum 53° diffraction angle and a non-square 5x7 array generating ...

Large beam size optical set up. Used in large beam size optical layouts. Used for monitoring optical systems, split beams into different wavelengths, polarizations or intensities.

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