
LightPath Technologies New Product Announcement

BD-2 Chalcogenide Glass

LightPath Technologies Introduces a new Chalcogenide Glass, BD-2, for molding Infrared Aspheric Optics

(January 21, 2008) Orlando, FL. LightPath Technologies, Inc. (Nasdaq: [LPTH - News](#)),

LightPath Technologies is pleased to introduce Black Diamond 2 chalcogenide glass for the molding of infrared aspheric optics. This new glass provides an additional material for the design and production of molded infrared lenses.

BD-2 is a chalcogenide glass manufactured from a combination of Germanium and other materials and transmits over the wavelength range from 1 micron to 14 microns. This material has several advantages over traditional infrared materials, such as germanium or zinc selenide. BD-2's thermal properties minimize the requirement for complex athermalization techniques. BD-2's properties also enable more complex shapes and additional design options for infrared lenses, including diffractive elements.

LightPath Technologies has started to incorporate BD-2 into its Infrared aspheric lens catalog with the introduction of the 390037 LWIR collimating lens.

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