

**COLLIMATING LENSES****INFRARED OPTICS**

Aspheric lenses precision molded in IR glass for use in the short-wave, mid-wave, and long-wave infrared (SWIR, MWIR, LWIR) bands, for applications such as collimation, focusing, and coupling of quantum cascade lasers (QCL).

SWIR/MWIR/LWIR collimating lenses have high numerical apertures. This allows for maximum light collection for SWIR, MWIR and LWIR lasers, including quantum cascade lasers (QCL). The aspheric design enables a single lens to replace complex, multiple component optical systems and provide high quality infrared beams for sensing and analytical measurements.

Infrared collimating lenses can also be molded directly into metal housings, eliminating the need to use epoxy to assemble the lenses. Housing materials such as SS304L, SS316, AL6061, and Inconel 718 are available. Molding into metal housings simplifies the mounting process while providing a hermetic seal between the lens and the rest of the package.

LightPath's products and technologies are designed for applications such as Aerospace, Automotive Lidar, Automotive Sensor, Commercial, Datacom, Firefighting, Government, Industrial Instrumentation, Life Sciences, Medical Instrumentation, Military, Research & Development, Sensor (visible), and Sensor (Infrared).

- + High numerical aperture for maximum collection efficiency
- + Compact, single lens design
- + Diffraction limited performance
- + RoHS Compliant

## FIND YOUR LENS NOW

**Numerical Aperture**

**Focal Length (mm)**

**Outer Diameter (mm)**

**Working Distance (mm)**

**SUBMIT**

[SEE ALL LENSES](#)

## OTHER PRODUCTS

(<http://www.lightpath.com/product/asphere/>)

ASPHERES

GELTECH™

(<http://www.lightpath.com/product/collimator/>)

COLLIMATORS

C O N N E C T O R I Z E D

(<http://www.lightpath.com/product/thermal-imaging-assemblies/>)

INFRARED OPTICS

T H E R M A L I M A G I N G A S S E M B L I E S

(<http://www.lightpath.com/product/ispoptics/>)

ISP OPTICS

# INFRARED CATALOG

**A LEADER IN OPTICAL SOLUTIONS****REQUEST A CUSTOM QUOTE**

LightPath Technologies is an optical solution company that is a fully integrated manufacturer and supplier of visible and infrared optical components and sub-systems, based on world class optical manufacturing technology.

From concept through prototyping, volume production, and global distribution, LightPath has the optical knowledge and manufacturing expertise to be your optics partner every step of the way.

**[GET A QUOTE \(/CUSTOM-QUOTE/?REF=168\)](/CUSTOM-QUOTE/?REF=168)**

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LASER World of PHOTONICS CHINA 2019 #LPTH



18h

**LightPath Tech**

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Chalcogenide Aspherical Lenses in IR Imaging #LPTH #MakeItHappen

Mar 19, 2019

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## EVENTS

### SPIE DEFENSE + COMMERCIAL SENSING EXPO 2019

LightPath will exhibit at SPIE Defense + Commercial Sensing Expo April 14 - 18 2019... **READ (<http://www.lightpath.com/2018/06/26/spie-defense-commercial-sensing-expo-2019/>)**

## EVENTS



## LIGHTPATH PRESENTS BD6™ THERMAL IMAGING LENS ASSEMBLIES OPERATING WITH INDUSTRY STANDARD DETECTORS.

LightPath's live product demo will show BD6™ thermal imaging lenses on market detectors. Presenter: Jeremy... **READ**

(<http://www.lightpath.com/2019/03/19/lightpath-presents-bd6-thermal-imaging-lens-assemblies-operating-with-industry-standard-detectors/>)

**SEE ALL » ([HTTP://WWW.LIGHTPATH.COM/NEWS/](http://www.lightpath.com/news/))**

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