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# LightPath® Mid-Wave and Long-Wave Infrared (IR) Aspheric Lenses

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- Wavelength Range of 1.8 - 12 $\mu$ m
- Variety of Coating Options
- Mounted and Unmounted Versions

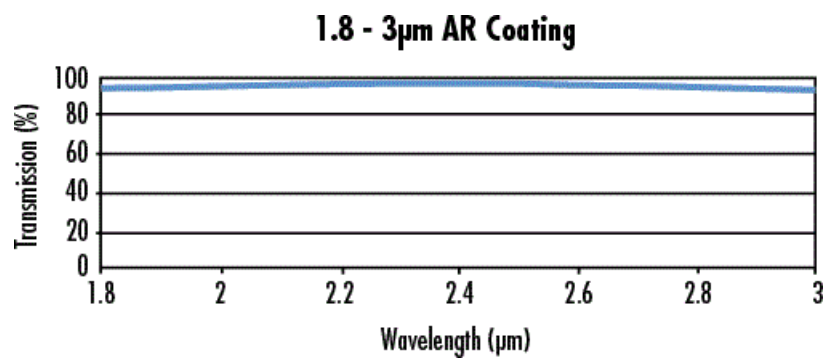
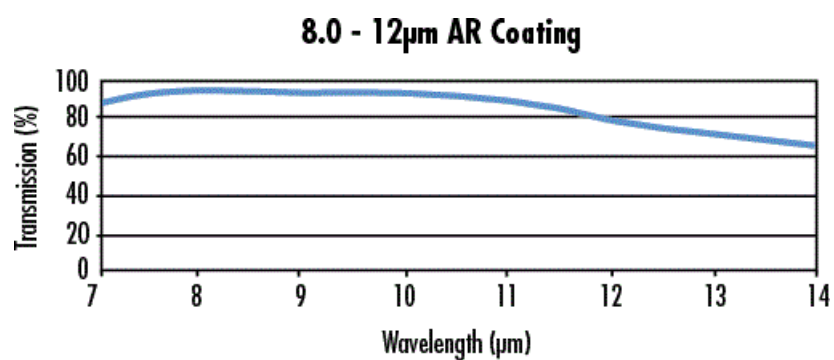
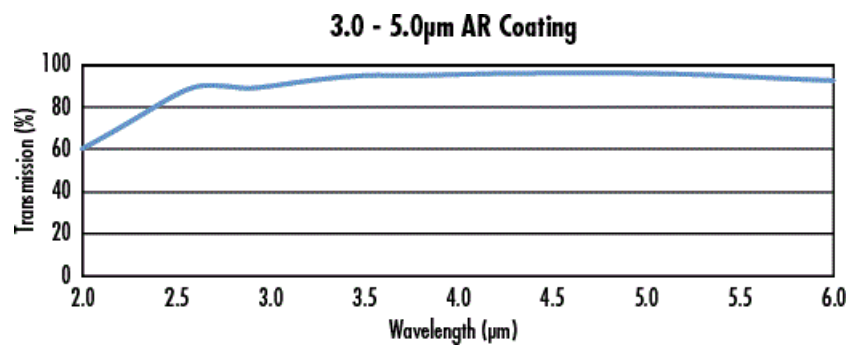
Common Specifications

Physical & Mechanical Properties


Bevel:	Protective as needed
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Optical Properties			
Substrate:	Black Diamond™ BD-2 (Ge <sub>28</sub> Sb <sub>12</sub> Se <sub>60</sub> )		
Surface Quality:	80-50	Index of Refraction (n <sub>d</sub> ) @ 10μm:	2.6023
Index of Refraction (n <sub>d</sub> ) @ 14μm:	2.5843	Index of Refraction (n <sub>d</sub> ) @ 4μm:	2.6210
Index of Refraction (n <sub>d</sub> ) @ 5μm:	2.6173	Conjugate Distance:	Infinite
Material Properties			
Density (g/cm <sup>3</sup> ):	4.68	Thermo-optic coefficient dn/dT:	70 x 10 <sup>-6</sup> /°C from -40° to +80°C (5 - 14 μm)
Transformation Temperature (°C):	285.00		

## Technical Information



## Products

Dia. (mm)	EFL (mm)	NA	Coating	Stock Number	Price	Buy
6.50	4.00	0.56	BBAR (1800-3000nm)	<a href="#">#66-560</a>	€385,22 <a href="#">Volume Pricing</a>	9 In Stock
6.50	4.00	0.56	BBAR (3000-5000nm)	<a href="#">#66-561</a>	€385,22 <a href="#">Volume Pricing</a>	17 In Stock
8.00	5.95	0.56	BBAR (3000-5000nm)	<a href="#">#87-178</a>	€438,78 <a href="#">Volume Pricing</a>	17 In Stock
3.50	1.50	0.72	BBAR (1800-3000nm)	<a href="#">#83-717</a>	€385,22 <a href="#">Volume Pricing</a>	16 In Stock
3.50	1.50	0.72	BBAR (3000-5000nm)	<a href="#">#83-718</a>	€385,22 <a href="#">Volume Pricing</a>	17 In Stock
4.50	1.47	0.83	BBAR (8000-12000nm)	<a href="#">#88-073</a>	€385,22 <a href="#">Volume Pricing</a>	3 In Stock
<a href="#">#66-564 Clearance</a>						
 <p>Clearance</p> <p>Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.</p>						
5.50	1.87	0.85	BBAR (1800-3000nm)		€217,28	1 In Stock
5.50	1.87	0.85	BBAR (8000-12000nm)	<a href="#">#66-566</a>	€385,22 <a href="#">Volume Pricing</a>	20+ In Stock
6.50	4.00	0.56	BBAR (3000-5000nm)	<a href="#">#66-569</a>	€385,22 <a href="#">Volume Pricing</a>	20+ In Stock

[#88-080 Clearance](#)



Clearance

9.25	3.00	0.71	BBAR (1800-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	€242,00	3 In Stock
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[#83-721 Clearance](#)



Clearance

6.24	1.50	0.72	BBAR (1800-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	€205,95	1 In Stock
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[#88-077 Clearance](#)



Clearance

8.24	1.47	0.83	BBAR (1800-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	€205,95	3 In Stock
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[#88-079 Clearance](#)



Clearance

8.24	1.47	0.83	BBAR (8000- 12000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	€177,11	20+ In Stock
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[#66-572 Clearance](#)



Clearance

5.50	1.87	0.85	BBAR (1800- 3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	€242,00	2 In Stock
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