

[All Products](#) / [Optics](#) / [Optical Lenses](#) / [Infrared \(IR\) Lenses](#)

Lightpath® Thermal Imaging Assemblies See More by [Lightpath®](#)



- Precision Molded Chalcogenide Lenses
- Compact Designs for Thermal Imaging Cameras
- Focal Lengths from 2.7 to 24mm

Common Specifications

Physical & Mechanical Properties

Construction:

Matte Black Anodized Aluminum Housing

Optical Properties

Substrate:

Black Diamond™ BD-6

Coating:

BBAR (8000-12000nm)

Wavelength Range (nm):

8000 - 12000

Coating Specification:
 $R_{avg} < 0.75\%$ @ 8000 - 12,000nm

Index of Refraction (n_d) @ 10μm:

2.7816

Index of Refraction (n_d) @ 14μm:

2.7683

Index of Refraction (n_d) @ 4μm:

2.7978

Material Properties

Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):

22.5

Thermo-optic coefficient dn/dT :
 30.5×10^{-6} @ 10μm

Technical Information

Products

Front Diameter (mm)	EFL (mm)	Coating	Lightpath Lens Code	Stock Number	Price	Buy
10.00	2.70	BBAR (8000-12000nm)	7100380	#15-684	₹11,250	14 In Stock
#15-685 Clearance						
<div><div></div><div>Clearance</div><div>Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.</div></div>						
9.93	4.00	BBAR (8000-12000nm)	7100410		₹5,216	20+ In Stock
12.00	5.30	BBAR (8000-12000nm)	7100331	#15-686	₹12,600	1 In Stock

[#15-687 Clearance](#)



Clearance

Availability
is limited,
so buy
before
these
products
disappear.
Sorry, we
cannot
accept
returns.
Receive up
to 80% off
select
products.

16.00	6.30	BBAR (8000- 12000nm)	7100306	₹6,956	9 In Stock
-------	------	----------------------------	---------	--------	------------

18.00	7.70	BBAR (8000- 12000nm)	7100305	#15-688	₹19,170	20+ In Stock
-------	------	----------------------------	---------	-------------------------	---------	--------------

[#15-689 Clearance](#)



Clearance

Availability
is limited,
so buy
before
these
products
disappear.
Sorry, we
cannot
accept
returns.
Receive up
to 80% off
select
products.

24.00	15.00	BBAR (8000- 12000nm)	7100350	₹18,005	20+ In Stock
-------	-------	----------------------------	---------	---------	--------------

24.00	19.00	BBAR (8000- 12000nm)	7100338	#15-691	₹37,440	7 In Stock
-------	-------	----------------------------	---------	-------------------------	---------	------------



Copyright 2023, Edmund Optics India Private Limited, #267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038
Phone: 1-800-363-1992 :
www.edmundoptics.com