

220mm Dia x 100mm FL Alum. Coated, Parabolic Reflector



Stock #68-793 **5 In Stock**

1

C\$1,337^{.00}

ADD TO CART

Volume Pricing	
Qty 1-10	C\$1,337.00 each
Qty 11-25	C\$1,176.00 each
Qty 26-49	C\$1,106.00 each
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Product Downloads

-  Curve:pdf
-  Zemax:zar
-  Zemax:zmx
-  Code V:seq
-  EO Spec Sheet
-  [Download All](#)

General

Type: Parabolic Mirror

Physical & Mechanical Properties

Diameter (mm): 220.00
+0.0/-0.5

Center Hole Diameter (mm): No Center Hole

Height (mm): 33.0

Optical Properties

Coating Type: Metal

Coating: Protected Aluminum (400-700nm)

Wavelength Range (nm): 400 - 700

Substrate:  **BOROFLOAT®**

Aperture (f/#): 0.455

Coating Specification: R_{avg} >85% @ 400 - 700nm

Focal Length FL (mm): 100.00

Regulatory Compliance

Certificate of Conformance: [View](#)

Product Details

- Precision Polished Substrate
- Protected Aluminum and Cold Mirror Coating Options
- Ideal for Highly Divergent Light Sources
- [Precision Ellipsoidal Reflectors](#) Also Available

Precision Parabolic Reflectors are ideal for collimating a light source placed at the focal point of the mirror. The parabolic profile eliminates spherical aberration, allowing the light source to maintain its wavefront characteristics. These Precision Parabolic Reflectors feature very low f/#s, making them ideal for highly divergent light sources. The protected

aluminum coating features broadband high reflection through the visible and IR spectra. The cold mirror coating reflects visible light while transmitting NIR, making it ideal for cold condensing applications. Precision Parabolic Reflectors are precision polished, yielding exact aspheric profiles. These mirrors offer improved thermal stability and superior focusing efficiency versus commercially available press-molded reflectors. Typical applications include use as steppers for PCB, LCD, or PDP production, solar simulators, fiber optic illuminators, and projectors.

Technical Information

Diameter	Focal Length f	Center Hole Diameter d	Height H	Stock No.
100mm	12.5mm	—	45mm	#90-964
				#90-967
	19mm	30mm	32mm	#68-791
				#68-795
152mm	17mm	30mm	79mm	#68-792
	30mm	35mm	47mm	#90-965
220mm	100mm	—	33mm	#68-793
300mm	42mm	—	130mm	#90-966

Frequently Purchased Together



#32-365 - 50 x 125mm, 4-6 λ Mirror
C\$57.40



#36-483 - 6.0" Angle Mirror Mount
C\$681.80



#46-392 - 18.5" Diameter, 18" Focal Length, Fresnel Lens
C\$648.20



#35-628 - 101.6 x 119mm EFL 45° Protected Aluminum 100Å Off-Axis Parabolic Mirror
C\$1,258.60

Resources

Media Type

- Application Note
- Video
- FAQ
- Glossary

CASE STUDIES

Laser Optics for Eye Surgery

TRENDING IN OPTICS

Increasing Challenges for Sourcing Laser Optics...

CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

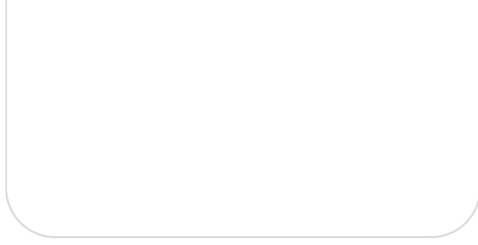
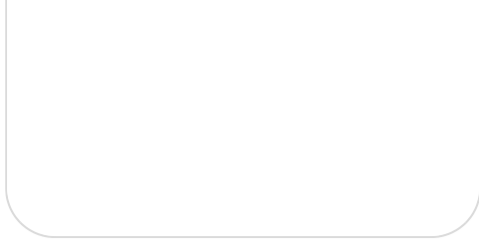
APPLICATION NOTE

Metallic Mirror Coatings

VIDEO

Optical Mirrors Review

? FAQ



What is the difference between a first-surface...

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