

100mm Dia x 12.5mm FL Cold Mirror Coated, Parabolic Reflector



Stock **#90-967** [CONTACT US](#)

-1+

£440.00

ADD TO CART

Volume Pricing	
Qty 1-10	£440.00 each
Qty 11-25	£388.00 each
Qty 26-49	£365.60 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Parabolic Mirror

Physical & Mechanical Properties

Diameter (mm):

100.00 +0.0/-0.5

Center Hole Diameter (mm):

No Center Hole

45.0	Height (mm):
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Optical Properties

BOROFLOAT®	Substrate: ☐
12.50	Focal Length FL (mm):

0.125	Aperture (f/#):
Cold Mirror, 0°	Coating:

Metal	Coating Type:
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Regulatory Compliance

View	Certificate of Conformance:
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Product Details

• Precision Polished Substrate

• Protected Aluminum and Cold Mirror Coating Options

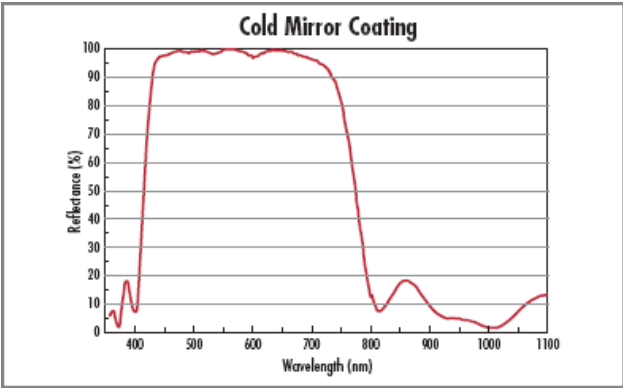
• Ideal for Highly Divergent Light Sources

• [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