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# 220mm Dia x 44mm

# Reflector



Precision Ellipsoidal Reflectors

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€950<sup>00</sup>

ADD TO CART

Volume Pricing	
Qty 1-10	€950,00 each
Qty 11-25	€836,00 each
Qty 26-49	€787,00 each
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Prices shown are exclusive of VAT/local taxes

### Product Downloads

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

## General

Type: Specialty Mirror

## Physical & Mechanical Properties

Center Hole Diameter (mm): 60.0

Height (mm): 91.0

Inner Diameter (mm): 210

Outer Diameter (mm): 220.00 +0.0/-0.5

## Optical Properties

Coating Type: Metal

Coating: Protected Aluminum (400-700nm)

Wavelength Range (nm): 400 - 700

Substrate: [BOROFLOAT®](#)

Coating Specification: R<sub>avg</sub> >85% @ 400 - 700nm

Distance to Focal Point f<sub>1</sub> (mm): 40

Distance to Focal Point f<sub>2</sub> (mm): 440

## Regulatory Compliance

Certificate of Conformance: [View](#)

## Product Details

- Precision Polished Substrate
- Protected Aluminum and Cold Mirror Coating Options
- Ideal for Solar and Condensing Applications
- **Precision Parabolic Reflectors** Also Available

Precision Ellipsoidal Reflectors are ideal for simplifying system design and integration. By having two focal points, ellipsoidal mirrors eliminate the need for multiple focusing components within an assembly. When a light source is placed at the first focal point, the reflector focuses the light at the second focal point. Ellipsoidal Reflectors are available with two mirror coating options. The protected aluminum coating reflects visible light while transmitting NIR, making it ideal for cold condensing applications.

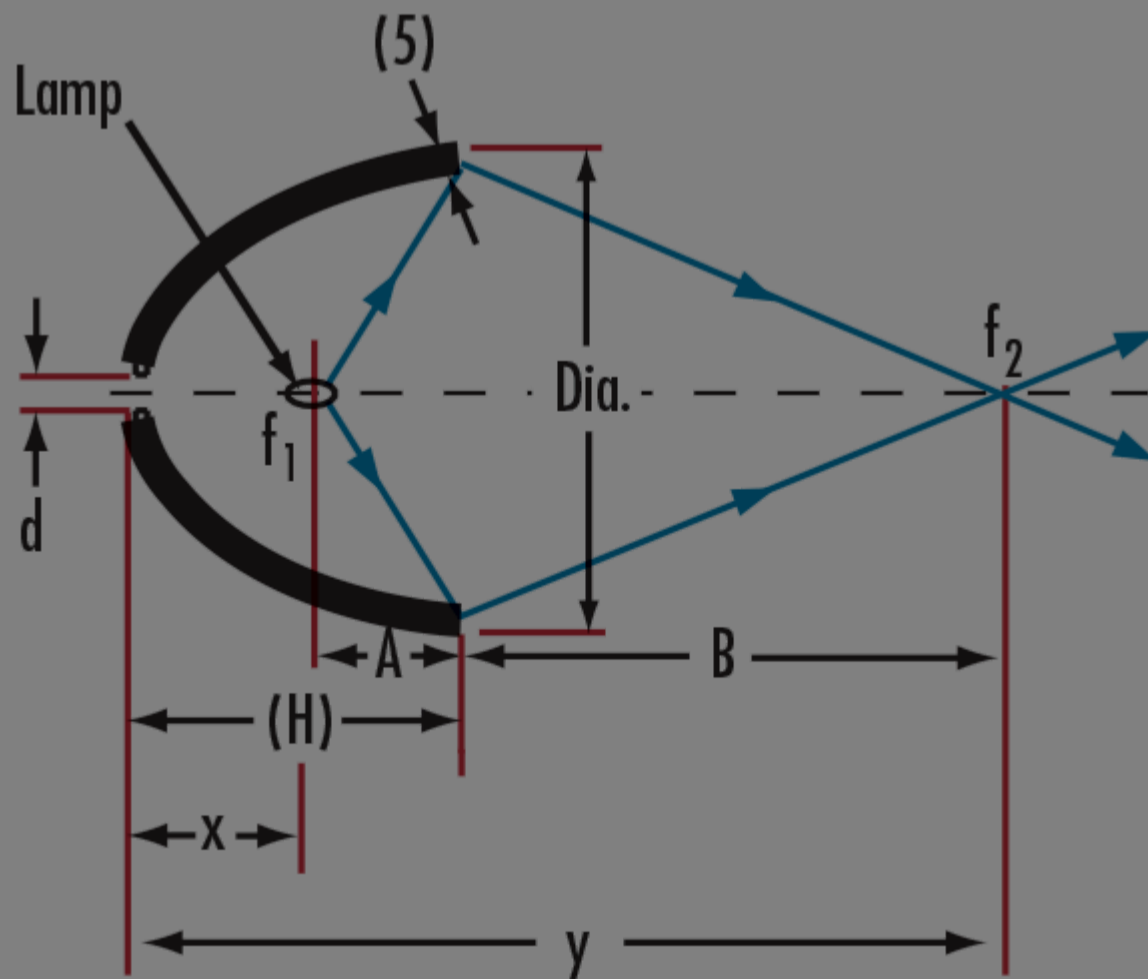
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Precision Ellipsoidal Reflectors are precision polished and coated for superior focusing efficiency versus commercially available press-molded reflectors. Typical applications include solar collectors, illuminators, and projectors.

## Technical Information

Diameter	x	y	Hole Size d	Height H	A	B	Stock No.
64mm	11mm	78mm	18mm	44mm	31mm	36mm	#90-968
							#90-973
86mm	14mm	134mm	20mm	48mm	32mm	88mm	#68-797
							#68-800
105mm	22mm	145mm	27mm	42mm	20mm	103mm	#90-969
							#90-974
115mm	17mm	272mm	26mm	54mm	36mm	219mm	#68-798
							#68-801
128mm	18mm	288mm	31mm	67mm	50mm	220mm	#90-970
150mm	22.5mm	360mm	40mm	70mm	48mm	290mm	#90-971
							#68-802
220mm	40mm	440mm	60mm	90mm	53mm	347mm	#68-799
							#68-803
300mm	45mm	800mm	80mm	147mm	108mm	647mm	#90-972



## Frequently Purchased Together

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Right Angle Prism Mirrors  
(Hypotenuse Coated)  
€374,00

Qty 

Basic Camera  
€469,00

Qty 

## Resources

### Media Type

- Application Note
- Video
- FAQ
- Glossary

#### CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

#### APPLICATION NOTE

Roughness of Diamond Turned Off-Axis Parabolic

#### APPLICATION NOTE

Off-Axis Parabolic Mirror Selection...

#### VIDEO

Compound Parabolic Concentrators Review

#### FAQ

I would like to use your Off-Axis Mirror in a laser...

#### FAQ

How are your Off-Axis Parabolic Metal Mirrors...

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