



Sirius Optics
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Opening Hours

10am-5:30pm Mon-Fri
9am-2pm Sat

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Celestron 8 Inch Newtonian OTA

AUD
\$799.00

Product Images



Short Description

8" (200mm) f/5 optical design provides excellent wide field views Parabolic primary mirror minimizes spherical aberration to produce a better image

Description

The Celestron 8" Newtonian telescope is an excellent entry to mid-level OTA that can grow with you. The Newtonian optical design is excellent for visual observing and offers you the largest aperture for the price.

The parabolic primary mirror minimizes spherical aberration to produce a sharper image near the edge of the field of view. The 8" Newtonian optical tube offers 78% more light gathering ability than the 6" Newtonian optical tube.

Specifications	Optical Design:	Newtonian Reflector
	Aperture:	200mm (7.87")
	Focal Length:	1000mm (39")
	Focal Ratio:	f/5
	Focal Length of Eyepiece 1:	20mm (.8")
	Magnification of Eyepiece 1:	50x
	Finderscope:	9x50
	Star Diagonal:	N/A
	Optical Tube:	Aluminum
	Highest Useful Magnification:	472x
	Lowest Useful Magnification:	29x
	Limiting Stellar Magnitude:	14
	Resolution (Rayleigh):	.7 arc seconds
	Resolution (Dawes):	.58 arc seconds
	Light Gathering Power (Compared to human eye):	816x
	Secondary Mirror Obstruction:	56mm (2.2")
	Secondary Mirror Obstruction by Diameter:	28%
	Secondary Mirror Obstruction by Area:	7.81%
	Optical Coatings:	Fully Coated
	Optical Tube Length:	914mm (36")
	Optical Tube Weight:	22 lbs (9.98 kg)
	Optical Tube Diameter:	235mm (9.25")
	Dovetail:	CG-5 Dovetail bar