

## C8-A XLT (CGE) OTA



Item no:91024 XLT

Celestron Schmidt-Cassegrain Optical Tube Assemblies (OTA) are available individually for use with your favorite mount. Each OTA is made to the same exacting standards as those used on all our high quality telescopes. All optical surfaces are coated with Celestron's high efficiency StarBright® multi-layered coating group. These tube assemblies are equipped with the same dovetail mounting bar used on the CGE and Advanced Series for easy attachment to a variety of popular mounts.

### GENERAL FEATURES:

- 8" Schmidt-Cassegrain Optical Tube Assembly
- Aluminum Optical Tube
- Celestron's premium StarBright XLT coatings
- 2032 mm focal length (f/10)
- 25 mm eyepiece included (81x)
- Visual back allows for use with 1.25" accessories
- 6x30 finderscope to help accurately find objects
- Star diagonal provides more comfortable viewing position when observing objects that are high in the sky
- Includes dovetail rail compatible with CGE mount

### SPECIFICATIONS:

**Optical Design:** Schmidt-Cassegrain

**Aperture (mm):** 203.2 mm (8 in)

**Focal Length:** 2032 mm (80 in)

**Focal Ratio:** 10

**Focal Length of Eyepiece 1 (mm):** 25 mm (0.98 in)

**Magnification of Eyepiece 1:** 81 x

**Finderscope:** 6x30

**Star Diagonal:** 1.25

**Optical Tube:** Aluminum

**Highest Useful Magnification:**

480 x

**Lowest Useful Magnification:** 29 x

**Limiting Stellar Magnitude:** 14

**Resolution (Rayleigh):** 0.69 arc seconds

**Resolution (Dawes):** 0.57 arc seconds

**Light Gathering Power (Compared to human eye):** 843 x

**Secondary Mirror Obstruction:** 2.5 in (64 mm)

**Secondary Mirror Obstruction by Diameter:** 31%

**Secondary Mirror Obstruction by Area:** 9.77%

**Optical Coatings:** StarBright XLT

**Optical Tube Length:** 17 in (432 mm)

**Optical Tube Weight:** 12.5 lbs (5.67 kg)

**Dovetail Compatibility:** CGE Mount

To discover more and to find your local Celestron dealer please visit our [Dealer Page](#)



#### Recommended Accessories



**Eyepiece & Filter Kit 1.25 in**

£0.00



**Stereo Binocular Viewer**

£0.00



**Lens Shade For C6 & C8 Tubes**

£0.00



X-Cel LX 2x Barlow Lens

£0.00



2 Inch Mirror Diagonal with  
XLT Coatings

£0.00



Ultima LX 8mm Eyepiece

£0.00



X-Cel LX 12mm Eyepiece

£0.00



CGEM Computerised Mount

£0.00



Advanced VX Mount

£0.00