

**ASA800** Ritchey-Chrétien f6.85 telescope**THE EVOLUTION MILESTONE OF TELESCOPES.**

The ASA800 0.8m is the largest aperture OTA offered from ASA without mount. Perfect fit for the ASA direct drive mounts with absolute encoders. As all ASA telescopes the ASA800 is equipped with quartz glass optics from ASA. Our optics guarantee diffraction limited performance and best micro roughness numbers even under the most perfect earthbound astronomical seeing conditions while maintaining a fast f-ratio primary mirror design leading to less obstruction, higher contrast and a more compact system.

f6.85/f2.5 full carbon Richey-Chrétien design with absolute encoder secondary mirror focusing unit.

**Main Facts****Optical design**

Ritchey-Chrétien RC

**Linear central obstruction**

41%

**Focal length**

5480mm

**Focal ratio system**

f6.85

**Clear Aperture / Focal Ratio Primary Mirror**

800mm (31.5 inch) / f2.5

**Image field**

120mm (1.25 degrees)

**Mirror material**

Fused silica

**Surface quality**

>94 strehl

**Microroughness**

1nm RMS / <0.7nm Ra

**Coating**

Al+SiO<sub>2</sub> >96 %

**Back Focus from flange**

345.73mm

**Weight tube**

246kg (542lbs)

