

# ***Astro-Physics***

## ***175mm f/8 StarFire EDF***

### ***with 4" Focuser and CCD Field Flattener***



The 175 f/8 StarFire EDF shown atop the 1600GTO Mount.

**Astro-Physics introduces the new 175 StarFire EDF Astrograph. In keeping with the Astro-Physics tradition of offering the very finest of optics for the imaging enthusiast, Roland refines the standard in optical perfection in this new air-spaced apochromatic triplet.**

- **Includes matched CCD Field Flattener.**
  - **Optional Telecompressor / Corrector available.**
  - **Color Correction within 0.005% focus variation from 405 nm to 706 nm.**
  - **Rotating focuser collar will enable you to frame your photos for optimal artistic composition.**
  - **Silky smooth 4" Astro-Physics focuser with a greaseless drawtube and the dual-speed mechanism of Feather Touch 9:1 Micro. The drawtube millimeter scale provides position repeatability.**
  - **Fully-retractable felt-lined dewshield uniquely designed to aid in dew prevention.**
  - **Latest multi-coating technology developed over years of producing the finest in light transmission optics.**
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## Specifications

Color Correction	Less than $\pm 0.005\%$ focus variation from 405 nm to 706 nm (r to h wavelengths)
Clear aperture	175 mm (6.9")
Focal length	1400 mm (55.1")
Theoretical resolution	0.65 arc seconds
Coatings	Multi-layer, broadband, overall transmission greater than 97% in peak visual wavelengths
Magnification range	25x to 700x
Tube assembly	White, 8.0" CNC machined aluminum tube, baffled, flat black interior, push-pull lens cell, engraved retaining ring
Focuser type	4.0" I.D. Astro-Physics rack & pinion focuser, 4.15" travel; 2.7", 2" and 1.25" adapters; 2.5" extension. Rotating collar
Telescope length	51.25" (1302 mm)
Diameter of dewshield	8.875" (225.5 mm)
Weight	43 lb. (19.5 kg)
Carry-case type	Wood case with gray vinyl covering and foam-lined interior

## Field Flattener Specifications

Focal length	1452.5 mm @ f/8.3
Max. field size	3.0 degrees, 76 mm image circle
35 mm field size	1.4 x 1 degrees
Back distance	102 mm (4") from rear of FF to focal plane (plenty of room for rotaters, filter wheels, etc.)

## Optional 160/175 TCC (0.76x) Specifications

Focal length	1064 mm @ f/6.1
35 mm field size	1.4 x 1.9 degrees
Back distance	80.8 mm (3.18") from rear of TCC to focal plane

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815-282-1513