



# RF800mm F5.6 L IS USM

## Specifications

Lens	
Focal Length	800mm
Maximum and Minimum Aperture	f/5.6 - f/64
Lens Mount Type	RF Mount, metal
Compatible Cameras	Canon EOS R-series
Minimum Focusing Distance	2.6 m / 8.53 ft.
Maximum Magnification	0.34x
Field of View, at Minimum Focus Distance	Approx. 206 mm × 138 mm / 8.1 x 5.4 in.
Angle of View (Diagonal)	03° 05'
RF Extender Compatibility	
Canon RF Extender 1.4x/2x	Compatible
Equivalent Focal Length / Maximum Aperture	RF1.4x — 1120mm f/8 RF2x — 1600mm f/11
Maximum close-focusing magnification	RF1.4x — 0.49x RF2x — 0.71x
Autofocus with EOS R-series cameras* * (as of 2/2022)	Possible with either extender
Image Stabilizer with EOS R-series cameras* * (as of 2/2022)	Possible with either extender
Optical Design	
Lens Construction	26 elements in 18 groups
Special Elements	(2) Fluorite, (1) Super UD Lenses, (1) UD (Ultra-low Dispersion)
Lens Coating	Super Spectra Coating, Fluorine Coating, ASC
Filter Size Diameter	ø52 mm
Aperture Blades	9, circular shape
Image Stabilization	4 stops correction with In-lens Optical Image Stabilization
Focusing	
Focusing Drive System	Canon USM low-speed drive (Ring USM)
Full-time Manual Focusing	Yes (Supports both ONE SHOT AF and SERVO AF with compatible EOS R-series cameras)
Manual Focus Speed Selection	Yes (1, 2, and 3 settings, via switch on lens) • 1= fastest MF; 3= slowest MF rotation

<b>Focus Distance Range Selection</b>	<p>Yes (3 positions, via switch on lens)</p> <ul style="list-style-type: none"> <li>• FULL — 2.6m/8.5 feet – infinity</li> <li>• 2.6m/8.5 feet – 20m/65.6 feet</li> <li>• 20m/65.6 feet – infinity</li> </ul>
<b>Dual Pixel CMOS AF Coverage (Horizontal x Vertical)</b>	<p>EOS R5/R6 — approx. 100% x 100%</p> <p>EOS R — approx. 88% x 100%</p>
<b>With Extender RF1.4x</b>	<p>EOS R5/R6 — approx. 100% x 100%</p> <p>EOS R — approx. 88% x 100%</p>
<b>With Extender RF2x</b>	<p>EOS R5/R6 — approx. 80% x 80%</p> <p>EOS R — approx. 80% x 80%</p>
<b>Power Focus</b>	<p>Yes, via rotation of Playback Ring</p> <ul style="list-style-type: none"> <li>• Lens Focus Preset switch set to OFF; Focus Mode switch set to “PF”</li> <li>• Two focus speeds, based on ring rotation angle</li> </ul>
<b>Image Stabilization</b>	
<b>IS On–Off</b>	Image Stabilizer switch, on lens barrel
<b>Optical Image Stabilization</b>	<p>Provided</p> <ul style="list-style-type: none"> <li>• 4 stops correction (CIPA standard) with both EOS R and R5</li> </ul>
<b>IS Mode Selection</b>	<p>IS Modes 1, 2 and 3 (via switch on lens barrel)</p> <ul style="list-style-type: none"> <li>• Mode 1 — general shake correction</li> <li>• Mode 2 — correction during panning</li> <li>• Mode 3 — correction only during exposure</li> </ul>
<b>Panning Mode Support (SCN Mode)</b>	Supported
<b>Exterior Design</b>	
<b>Control Ring</b>	Dual-function Manual focus ring / Control Ring (selected using camera menu)
<b>Manual Focus Ring</b>	<p>Electronic ring system</p> <ul style="list-style-type: none"> <li>• Full-time Manual focus possible</li> <li>• No physical limit to ring rotational angle</li> </ul>
<b>AF/MF Switch</b>	YES - AF/PF/MF Switch
<b>MF/Control Ring Switch</b>	None — must be selected in camera menu
<b>Distance Scale</b>	<p>None</p> <ul style="list-style-type: none"> <li>• Distance scale available in EVF or Live View LCD screen of compatible EOS R-series cameras</li> </ul>
<b>Distance Limiter Switch</b>	FULL (2.6 m to infinity) / 2.6 m to 20 m / 20 m to infinity
<b>Focus Pre-set Function</b>	<p>Yes, via Playback Ring on lens barrel</p> <ul style="list-style-type: none"> <li>• Off – On – On with beep tone, via lens switch</li> <li>• Distance memorized via Focus Preset button</li> <li>• Two distances can be memorized; immediate return to either via direction of Playback Ring</li> </ul>
<b>Lens Function Buttons (AF-Stop Buttons)</b>	Yes; four positioned on lens barrel
<b>Dust / Weather Resistant Construction</b>	Yes - rubber ring on lens mount
<b>Dimensions, Weight</b>	
<b>Maximum Outer Diameter x Length</b>	Approx. ø6.4 in. x 17.0 in. (ø163.0mm x 432mm)
<b>Weight</b>	Approx. 110.8 oz. / 6.9 lb. / 3140g
<b>Accessories</b>	
<b>Lens Hood</b>	<p>Canon Lens Hood (long) ET-155 (Bundled)</p> <p>Canon Lens Hood (short) ET-155B (Sold Separately)</p>

<b>Lens Cap</b>	Canon E-180E (Bundled)
<b>Dust Cap</b>	Canon Lens Dust Cap RF (Bundled)
<b>Lens Case</b>	Canon Lens Soft Case LS600 (Bundled)
<b>Extension Tubes</b>	None (No Canon RF mount extension tubes)
<b>Close-up Lenses 250D / 500D</b>	Not compatible
<b>Drop-in Filters</b>	Compatible - 52mm Drop-in Filter Holder 52 (WIII) Included • Accepts 52mm screw-in filters • Canon 52mm clear Protect Filter included