



RF45mm F1.2 STM

Detailed Specifications

Lens	
Focal length	45mm
Maximum and minimum aperture	f/1.2 ~ f/16
Lens mount	Canon RF mount (metal)
Compatible cameras	Canon EOS R-series, including APS-C sensor models
Minimum focusing distance (approx.)	1.5 feet / 17.7 in. / 0.45m
Maximum magnification	0.13x
Field of view, at max. magnification	10.4 x 6.9 in. (263 x 175mm)
Angle of view (diagonal)	51° 20'
Optical design	
Lens construction	9 elements, in 7 groups
Special elements	(one) Aspheric element
Lens coating	SSC (Super Spectra Coating)
Filter size (diameter)	67mm Ø
Aperture blades	9
Image Stabilization	None
AF	
Focus drive system	STM (Stepping motor; gear type)
Full-time Manual focusing	Available
Floating focus system	None
Dual Pixel CMOS AF coverage (Horizontal x Vertical)	Approx. 100% x 100% (Whole Area subject detection); Approx. 90% x 100% (manual AF Area positioning)
Exterior design	
Control Ring	Available, with click-stops
Manual focus ring	Available
AF / MF switch	Available
Iris ring	None
Lens Function button	None
Distance scale	None (electronic distance scale in viewfinder / LCD screen available, in red Shooting menu, on compatible EOS R-series cameras)
Distance limiter switch	None
Dust- / weather-resistant construction	None
Tripod collar on lens	None

Dimensions, weight	
Maximum outer diameter x Length (approx.)	3.1 in. x 3.0 in. (78mm Ø x 75mm)
Weight (approx.)	12.2 oz. / 0.76 lb. / 346g
Accessories	
Lens hood (optional accessory)	Canon ES-73B hood (bayonet mount, attachable in reverse)
Lens cap	Canon Lens Cap E-67 II
Dust (rear) cap	Canon Lens Dust Cap RF
Lens case (optional accessory)	Canon Lens Case LP1116
Extension tubes	None for RF lenses
Close-up Lenses 250D / 500D	Not compatible
Canon RF Extender 1.4x / 2x	Not compatible
Canon Gelatin Filter Holder III / IV	Not compatible
Rear gelatin filter holder	None

