

Canon EF LENS

TS-E50mm f/2.8L MACRO

TS-E90mm f/2.8L MACRO

TS-E135mm f/4L MACRO



ENG

Instructions

Thank you for purchasing a Canon product.

The Canon TS-E50mm f/2.8L MACRO, Canon TS-E90mm f/2.8L MACRO, and Canon TS-E135mm f/4L MACRO are tilt-shift lenses* designed for EOS cameras that allow macro shooting up to 0.5 times magnification.

Camera Firmware

Please use the latest version of firmware with the camera in use. For details on whether the firmware is the latest version or not, and for details on updating the firmware, please check the Canon website.

Conventions used in this instruction



Warning to prevent lens or camera malfunction or damage.



Supplementary notes on using the lens and taking pictures.

* Depending on the camera model, the orientation or movement required for operation differs somewhat. For nomenclature and tilt operation, see the corresponding page for each model.

- TS-E50mm f/2.8L MACRO
Nomenclature: p.5, p.6
Using tilt: p.15, p.16
- TS-E90mm f/2.8L MACRO, TS-E135mm f/4L MACRO
Nomenclature: p.7, p.8
Using tilt: p.17, p.18

Safety Precautions

Precautions to ensure that the camera is used safely. Read these precautions thoroughly. Make sure all details are observed in order to prevent risks and injury to the user and other people.



Warning Details pertaining to risks that may result in death or serious injury.

- **Do not look at the sun or a bright light source through the lens or single-lens reflex camera.** Doing so could result in loss of vision. Looking at the sun directly through the lens is especially hazardous.
- **Whether it is attached to the camera or not, do not leave the lens under the sun without the lens cap attached.** This is to prevent the lens from concentrating the sun's rays, which could cause a fire.



Caution Details pertaining to risks that may result in injury.

- **Do not leave the camera in locations subject to high or low temperatures.** This may result in the camera becoming excessively hot or cold, which may cause burns or other injuries when touched.
- **Do not insert your fingers inside the camera.** Failure to observe this may result in injury.
- **Before mounting or detaching the lens, or turning the lens for rotation or TS rotation, always lock the lens in a non-tilted and non-shifted position.** Not doing so may cause injury.
- **When tilting or shifting the lens, avoid touching protrusions on the tilt mechanism and shift mechanism.** Not doing so may cause injury.

Caution Details pertaining to risks that may result in damage to property.

- Do not leave the lens in excessive heat such as in a car in direct sunlight. High temperatures can cause the lens to malfunction.
- Do not turn knobs forcefully. This may cause malfunction.
- When mounting or detaching the lens or turning the lens for rotation, always lock the lens in a non-tilted and non-shifted position. Not doing so may cause malfunction.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Do not make any changes or modifications to the equipment unless otherwise specified in the instructions. If such changes or modifications should be made, you could be required to stop operation of the equipment.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

General Precautions

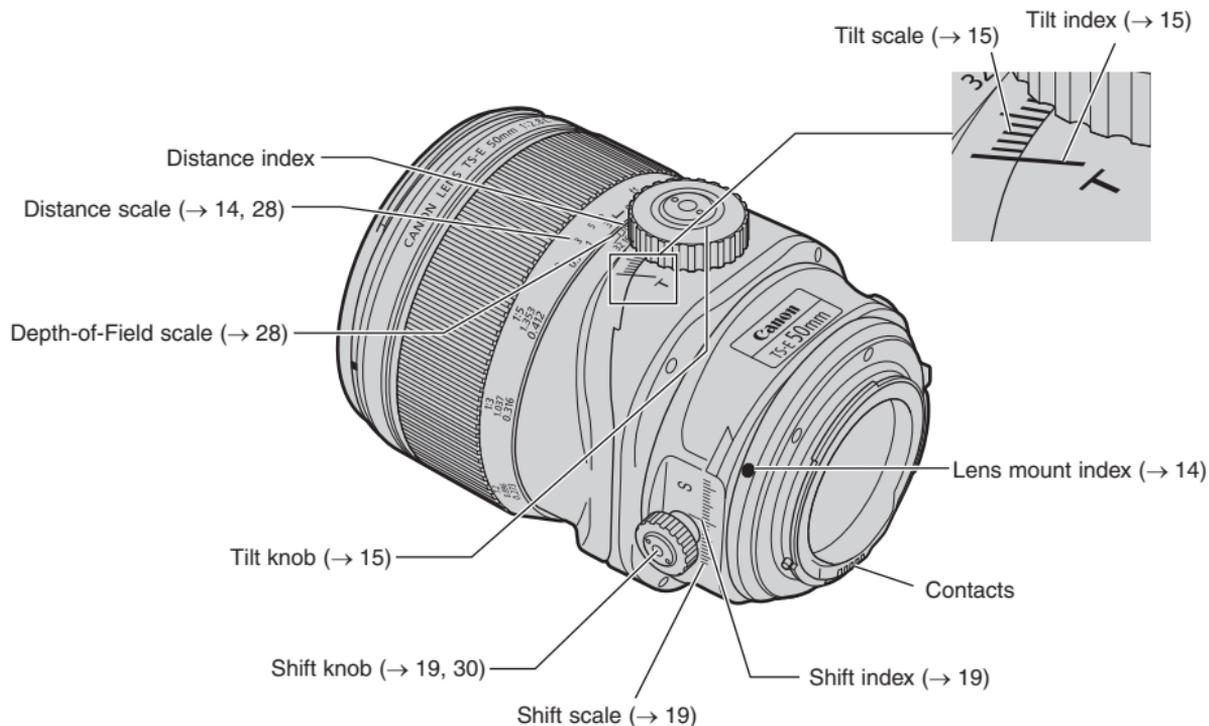
Handling Precautions

- If the lens is taken from a cold environment into a warm one, condensation may develop on the lens surface and internal parts. To prevent condensation in this case, first put the lens into an airtight plastic bag before taking it from a cold to warm environment. Then take out the lens after it has warmed gradually. Do the same when taking the lens from a warm environment into a cold one.
- Please also read any lens related handling precautions listed in your camera's instruction manual.

Shooting Precautions

- To ensure that you use the lens' functions effectively, it is recommended that you shoot in the following conditions.
 - Use an EOS camera with about 100% viewfinder visibility
 - Use Live View (with onscreen grid)
 - Use an external monitor
 - Use a tripod
 - Use a matte with grid focusing screen
 - Use a stand-alone exposure meter
- Since only a hood is not very effective in cutting off the harmful rays entering the lens, also using a piece of cardboard is recommended.
- If using Digital Photo Professional to perform lens correction (lens aberration correction, Digital Lens Optimizer, etc.)*, shooting with rotation or TS rotation locked or at a click position is recommended.
* Supported cameras: EOS 6D Mark II (As of August 2017)

Nomenclature (TS-E50mm f/2.8L MACRO)



● For detailed information, reference page numbers are provided in parentheses (→ **).

Nomenclature (TS-E50mm f/2.8L MACRO)

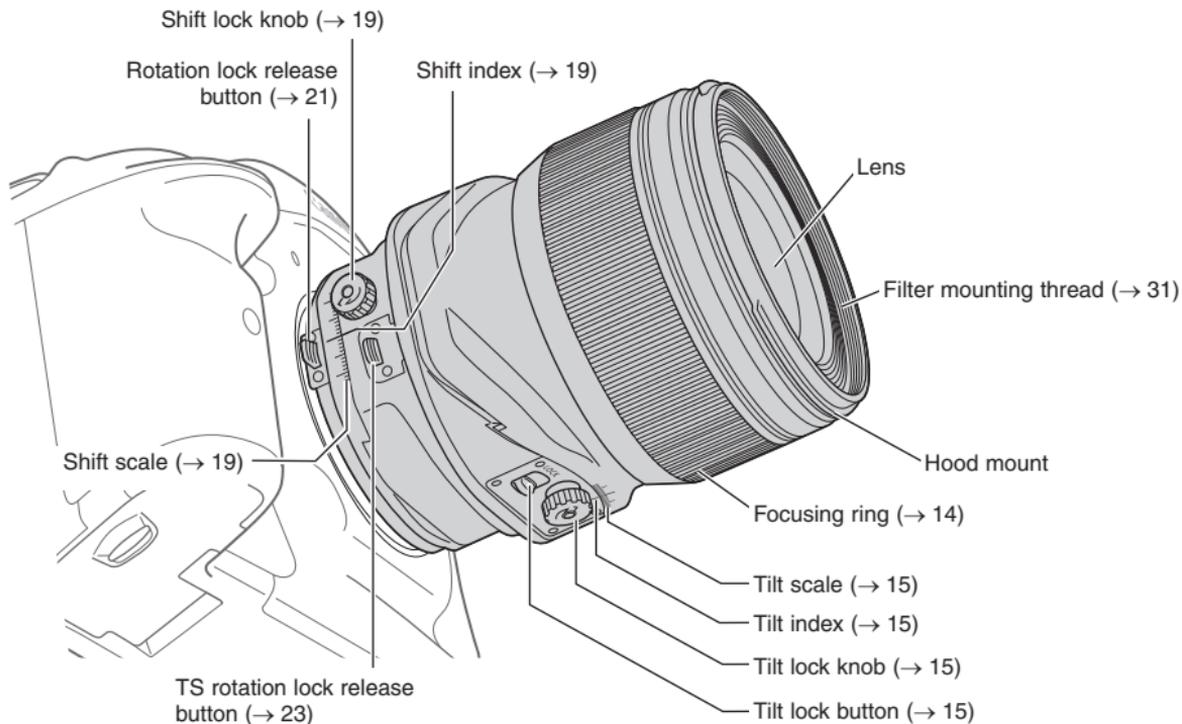
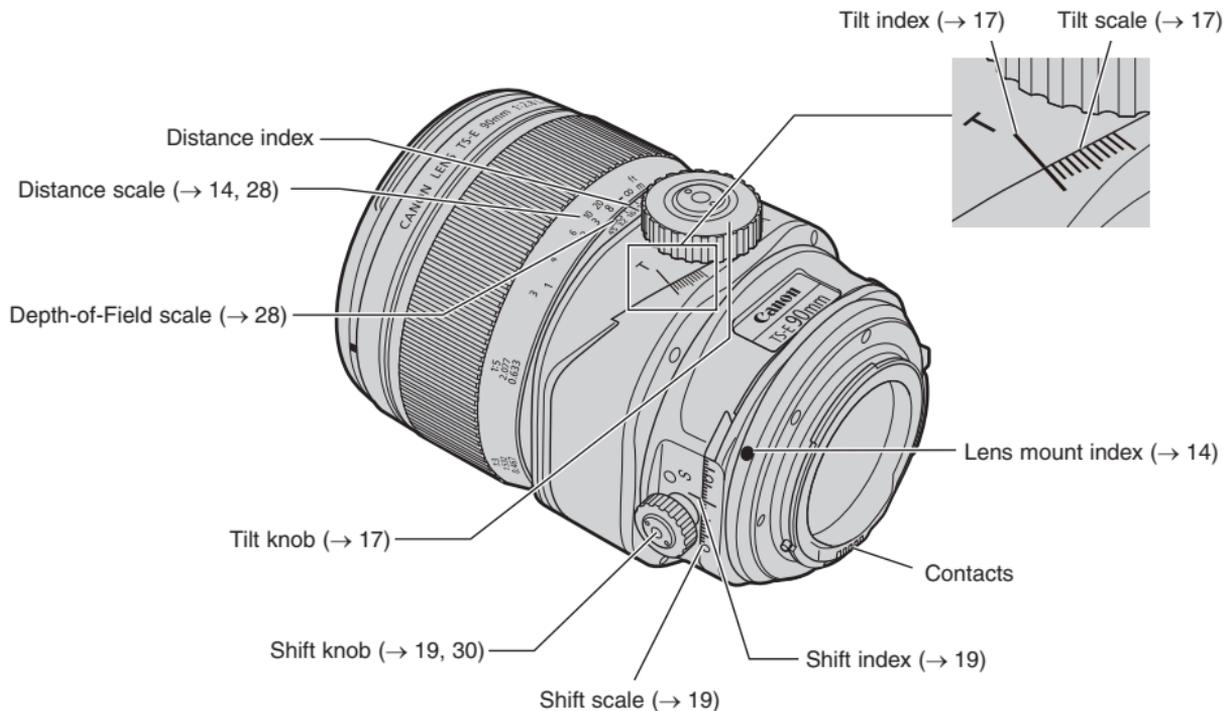


Illustration shows lens viewed from below.

● For detailed information, reference page numbers are provided in parentheses (→ **).

Nomenclature (TS-E90mm f/2.8L MACRO, TS-E135mm f/4L MACRO)



The illustration shows TS-E90mm f/2.8L MACRO, with nomenclature being the same for TS-E135mm f/4L MACRO.

- For detailed information, reference page numbers are provided in parentheses (→ **).

Nomenclature (TS-E90mm f/2.8L MACRO, TS-E135mm f/4L MACRO)

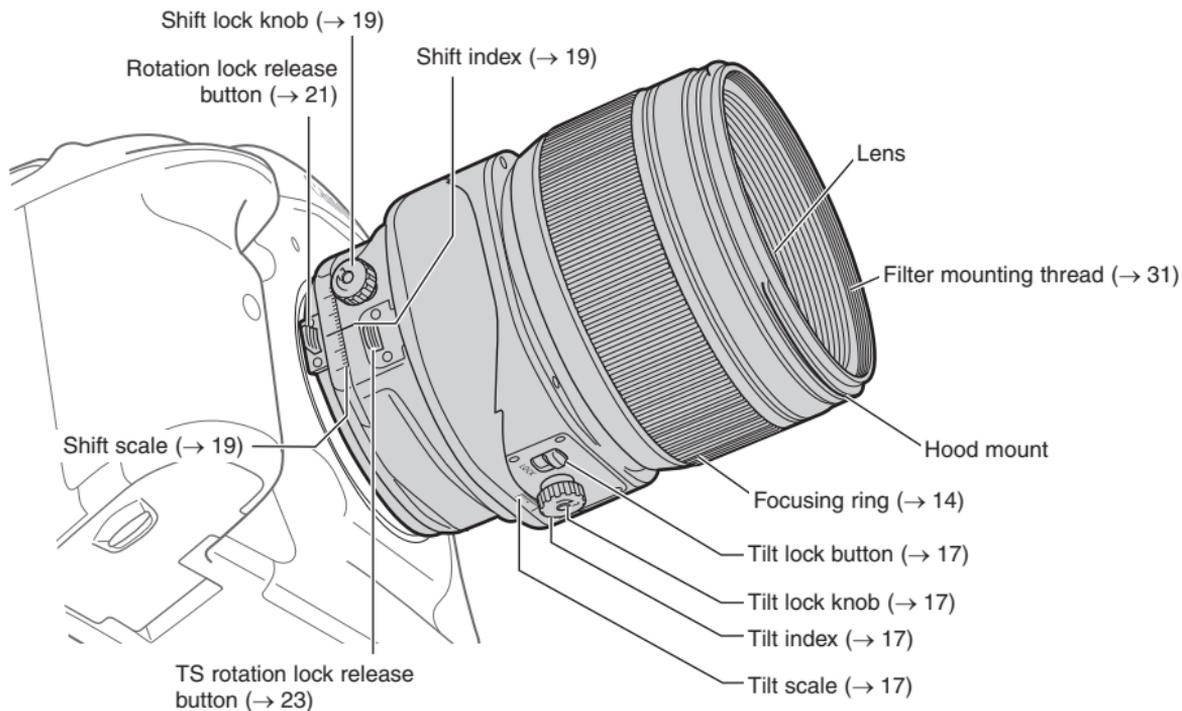


Illustration shows lens viewed from below.
The illustration shows TS-E90mm f/2.8L MACRO, with nomenclature being the same for TS-E135mm f/4L MACRO.

- For detailed information, reference page numbers are provided in parentheses (→ **).

TS-E MACRO Lens Features

Canon TS-E50mm f/2.8L MACRO, Canon TS-E90mm f/2.8L MACRO, and Canon TS-E135mm f/4L MACRO have the following features.

- Range of tilt is $\pm 8.5^\circ$ for TS-E50mm f/2.8L MACRO, and $\pm 10^\circ$ for TS-E90mm f/2.8L MACRO and TS-E135mm f/4L MACRO.
- Range of shift is ± 12 mm.
- Macro shooting at up to 0.5 times magnification when tilted or shifted is possible.
- Rotation allows the direction of the entire lens to be changed.
- TS rotation allows the tilt operation angle to be changed in regard to shift.

These features can be combined to allow a diverse range of expressive possibilities.

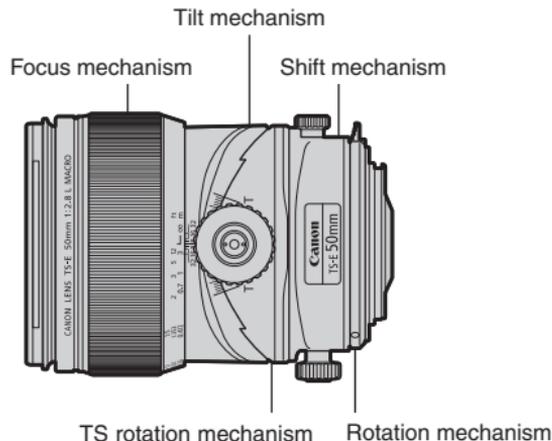
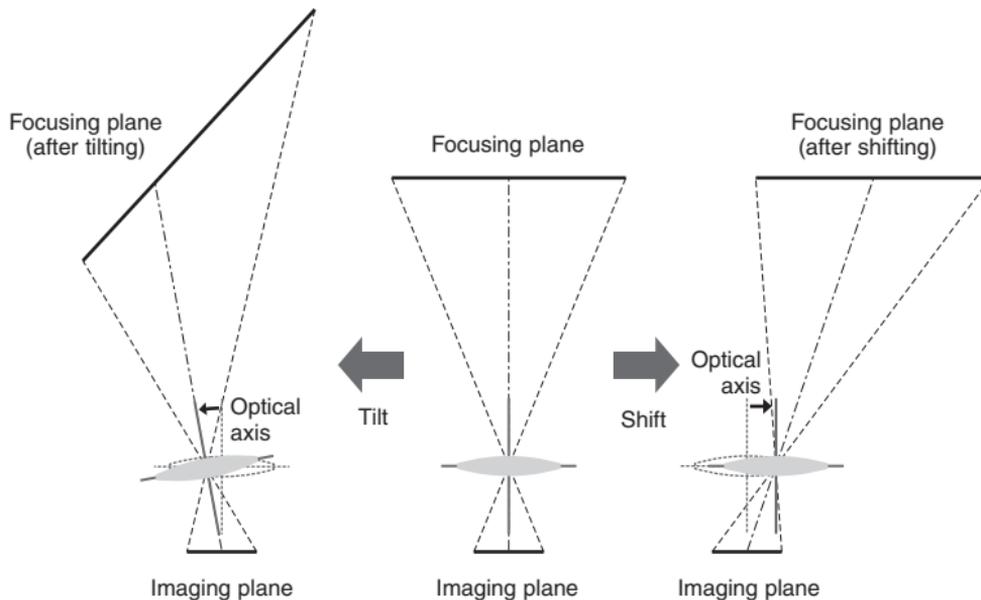


Illustration shows TS-E50mm f/2.8L MACRO.

TS-E MACRO Lens Features

- Before mounting or detaching the lens, or turning the lens for rotation or TS rotation, always lock the lens in a non-tilted and non-shifted position.
For how to lock the lens in a non-tilted and non-shifted position, see p.16, p.18, and p.20.
 - If using Digital Photo Professional to perform lens correction (lens aberration correction, Digital Lens Optimizer, etc.)*, correction may not be performed adequately depending on the amount of tilt or shift, and on the rotation or TS rotation setting.
- *Supported cameras: EOS 6D Mark II (As of August 2017)

The Principle of Tilt and Shift



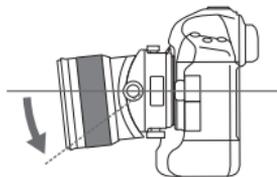
- By tilting the lens, the lens' optical axis is tilted with regard to the imaging plane, allowing the focusing plane to be tilted.

- By shifting the lens, the lens' optical axis is moved in parallel with regard to the image plane, allowing the focusing plane to be moved in parallel.

Tilt Effect

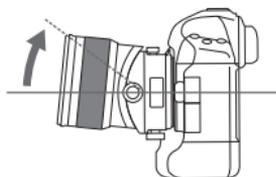
■ Shooting a field of flowers

● Example 1



- Tilting as shown has the effect of broadening the depth of field. This allows the entire field, from immediately in front to far in the background, to be in focus.

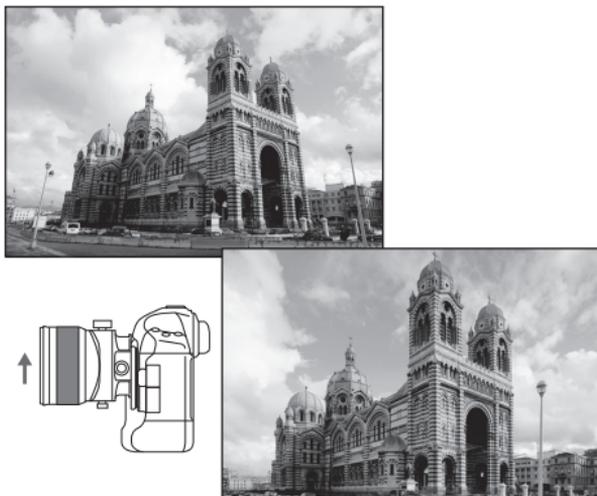
● Example 2



- Tilting as shown has the effect of narrowing the depth of field. Only flowers immediately in front are in focus, with the rest of the subject being blurred.

Shift Effect

■ Shooting architecture



- If you photograph a subject such as a building with a normal lens, the top of the building tapers away. But by placing the camera parallel to the building and shifting the lens, you can correct this tapering effect.

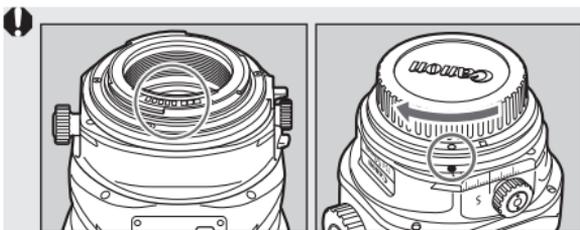
■ Shooting a mirror



- When you are shooting a reflective subject, you can move the camera to a position where the camera does not appear in the shot and then use shift to take the picture. This lets you keep the camera out of the shot without having to change the shot composition.

1. Mounting and Detaching the Lens

See your camera's instructions for details on mounting and detaching the lens.



- Before mounting or detaching the lens, always lock the lens in a non-tilted and non-shifted position.
- After detaching the lens, place the lens with the rear end up to prevent the lens surface and contacts from getting scratched.
- Contacts that are scratched, soiled, or have fingerprints on them may result in faulty connections or corrosion, which may lead to malfunctions. If the contacts get soiled, clean them with a soft cloth.
- Attach the lens cap and dust cap when disconnecting the lens. When attaching the dust cap, align the lens mount index with the \bigcirc index of the dust cap and turn in a clockwise direction as shown in the illustration. Follow the reverse procedure to detach it.

2. Focusing



Illustration shows TS-E50mm f/2.8L MACRO.

Focus the lens by manually turning the focusing ring. (Shots cannot be taken using autofocus.)

- After tilting or shifting the lens, or turning the lens for rotation or TS rotation, readjust the focus.
 - The distance scale is only valid when the lens is not tilted or shifted.
- For cameras which allow Live View shooting, focusing using the LCD monitor's magnified image is recommended.

3. Using Tilt (TS-E50mm f/2.8L MACRO)

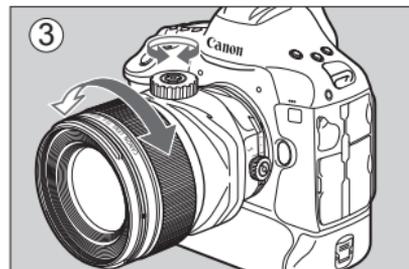
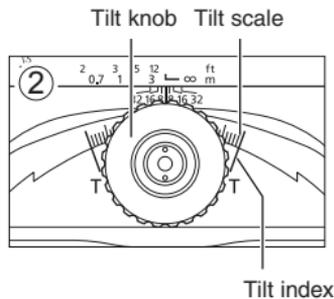
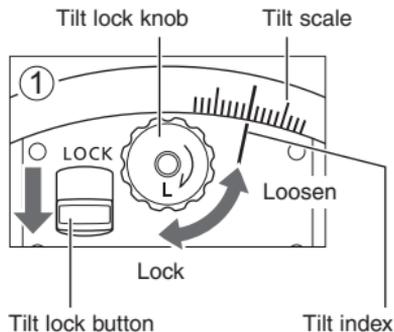


Illustration shows TS-E50mm f/2.8L MACRO.

To tilt the lens, slide the tilt lock button away from LOCK, and then turn the tilt lock knob counterclockwise to loosen. (Fig. 1)

Tilting the lens for shooting

- 1 Turn the tilt knob to adjust the amount of tilt. The amount of tilt can be adjusted in a range of $\pm 8.5^\circ$ with the thick line on the tilt scale as a reference. (Fig. 2) (A tilt scale is also located near the tilt lock knob.)
- 2 Focus the shot by turning the focusing ring. (Fig. 3)
- 3 Turn the tilt lock knob clockwise and lock it before taking the shot. (Fig. 1)

 Do not turn the tilt knob forcefully. This may cause malfunction.

Using Tilt (TS-E50mm f/2.8L MACRO)

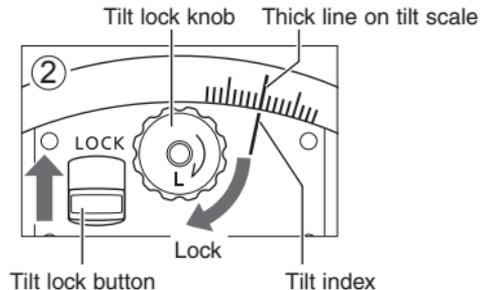
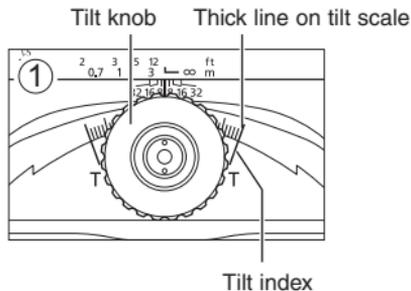


Illustration shows TS-E50mm f/2.8L MACRO.

Locking the Lens in a Non-Tilted Position

- 1 Turn the tilt knob so that the thick line on the tilt scale is aligned with the tilt index (at a click position). (Fig. 1)
- 2 Turn the tilt lock knob clockwise to lock. Slide the tilt lock button toward LOCK to lock tilt. (Fig. 2)

 When tilt is locked with the tilt lock button, do not turn the tilt knob. This may cause malfunction.

Using Tilt (TS-E90mm f/2.8L MACRO, TS-E135mm f/4L MACRO)

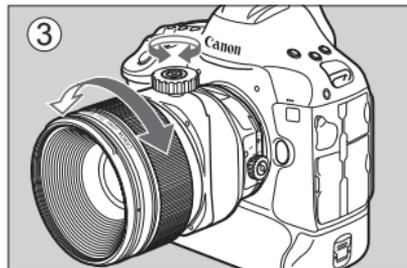
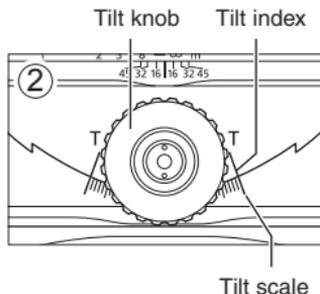
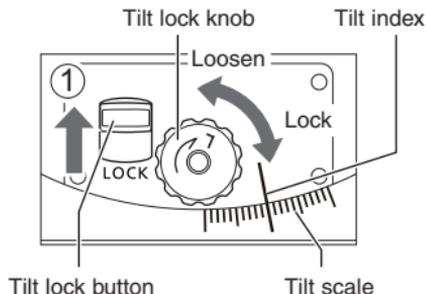


Illustration shows TS-E90mm f/2.8L MACRO. Location of features on TS-E90mm f/2.8L MACRO and TS-E135mm f/4L MACRO differ somewhat from TS-E50mm f/2.8L MACRO, but their function and operation is the same.

To tilt the lens, slide the tilt lock button away from LOCK, and then turn the tilt lock knob counterclockwise to loosen. (Fig. 1)

Tilting the lens for shooting

- 1 Turn the tilt knob to adjust the amount of tilt. The amount of tilt can be adjusted in a range of $\pm 10^\circ$ with the thick line on the tilt scale as a reference. (Fig. 2) (A tilt scale is also located near the tilt lock knob.)
- 2 Focus the shot by turning the focusing ring. (Fig. 3)
- 3 Turn the tilt lock knob clockwise and lock it before taking the shot. (Fig. 1)
- 4 ● Do not turn the tilt knob forcefully. This may cause malfunction.

Using Tilt (TS-E90mm f/2.8L MACRO, TS-E135mm f/4L MACRO)

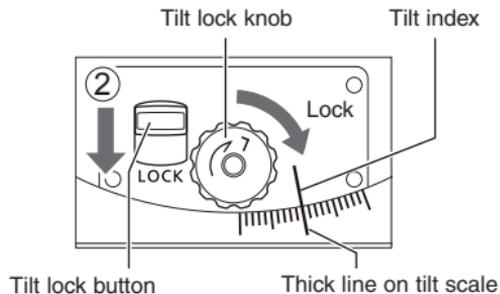
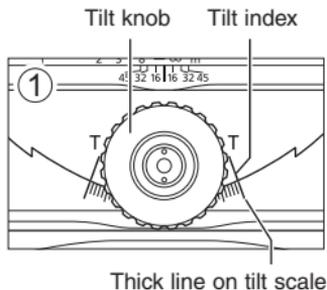


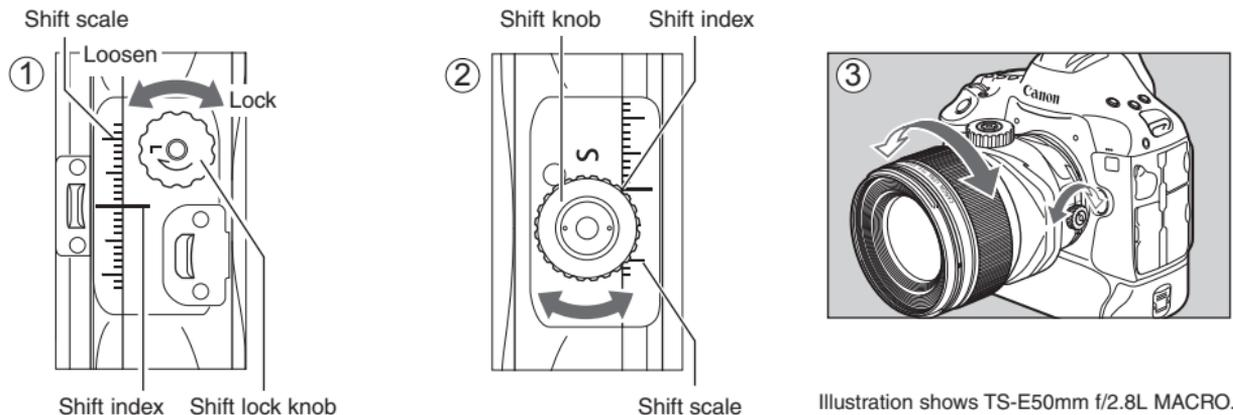
Illustration shows TS-E90mm f/2.8L MACRO.

Locking the Lens in a Non-Tilted Position

- 1 Turn the tilt knob so that the thick line on the tilt scale is aligned with the tilt index (at a click position). (Fig. 1)
- 2 Turn the tilt lock knob clockwise to lock. Slide the tilt lock button toward LOCK to lock tilt. (Fig. 2)

 ● When tilt is locked with the tilt lock button, do not turn the tilt knob. This may cause malfunction.

4. Using Shift



To shift the lens, turn the shift lock knob counterclockwise to loosen. (Fig. 1)

Shifting the lens for shooting

- 1 Turn the shift knob to adjust the amount of shift. The amount of shift can be adjusted in a range of ± 12 mm with the thick line on the shift scale as a reference. (Fig. 2) (A shift scale is also located near the shift lock knob.)
- 2 Focus the shot by turning the focusing ring. (Fig. 3)
- 3 Turn the shift lock knob clockwise and lock it before taking the shot. (Fig. 1)

 Do not turn the shift knob forcefully. This may cause malfunction.

Using Shift

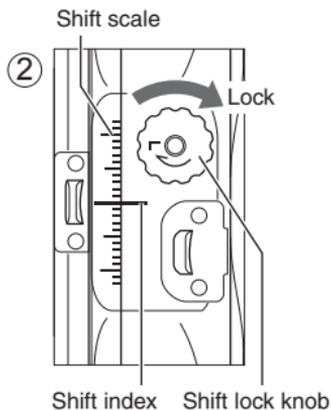
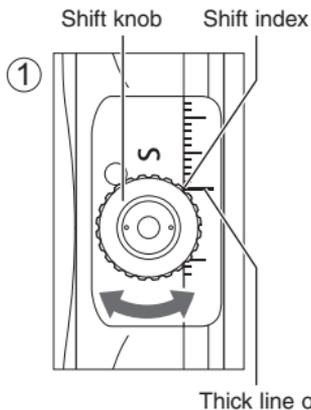


Illustration shows TS-E50mm f/2.8L MACRO.

Locking the Lens in a Non-Shifted Position

- 1 Turn the shift knob so that the thick line on the shift scale is aligned with the shift index (at a click position). (Fig. 1)
- 2 Turn the shift lock knob clockwise to lock. (Fig. 2)

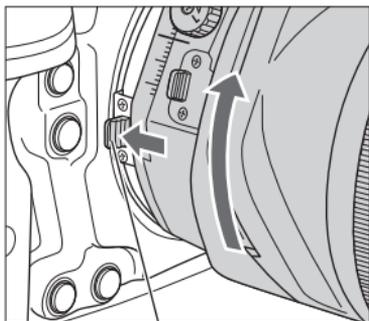


- For EOS cameras with built-in flash, the lens may contact the camera while you operate the shift function.



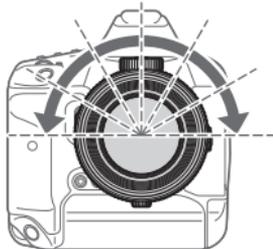
- With large amounts of shift, the amounts of peripheral light at the top and bottom or left and right sides of the screen may differ, so shooting with a small aperture is recommended.
- The shift operation will be easier if the supplied cap is mounted on the shift knob (p.30)

5. Using Rotation



Rotation lock release button

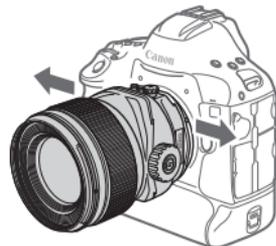
By using rotation, the direction of the entire lens can be switched. With the lens mounted on the camera, turn the entire lens while pushing the rotation lock release button toward the mount.



The rotation mechanism can be turned through $\pm 90^\circ$. The lens clicks every 30° , and locks in place in the 0° and $\pm 90^\circ$ positions.



Shift directions when rotation is at 0° .



Shift directions when rotation is at 90° .

Illustration shows TS-E50mm f/2.8L MACRO.

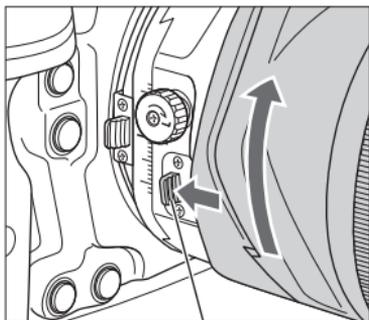
Using Rotation

-  ● Before turning the lens for rotation, always lock the lens in a non-tilted and non-shifted position.
- Note that your fingers may contact the shift lock knob when turning the lens for rotation.
- For EOS cameras with built-in flash, the lens may contact the camera while you operate the rotation function.

-  ● In order to prevent shifts in position while shooting, shooting with rotation locked or at a click position is recommended.
- If using Digital Photo Professional to perform lens correction (lens aberration correction, Digital Lens Optimizer, etc.)*, shooting with rotation locked or at a click position is recommended so as to reduce the amount of correction error.

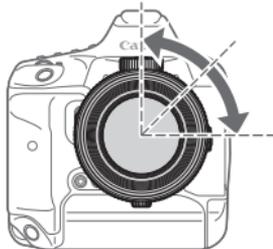
*Supported cameras: EOS 6D Mark II (As of August 2017)

6. Using TS Rotation



TS rotation lock release button

By using TS rotation, the relationship of the tilt and shift operation directions can be switched from right angle to parallel. With the lens mounted on the camera, turn the tilt mechanism while pressing the TS rotation lock release button toward the mount.



The lens clicks at the 45° position, and locks in place in either the right angle or parallel position.



Tilt and shift directions in right angle TS rotation



Tilt and shift directions in parallel TS rotation

Illustration shows TS-E50mm f/2.8L MACRO.

7. TS-E MACRO Lens Exposure Setting

Since the optical axis shifts when the lens is tilted or shifted, the exposure value may deviate largely with automatic exposure during viewfinder shooting. Either of the following methods is recommended for obtaining an appropriate exposure setting.

■ Exposure setting by Live View shooting

Shoot using a Live View shooting exposure value.

Regardless of tilt or shift, you can shoot with automatic exposure, including for macro shots.

■ Exposure setting by stand-alone exposure meter

Shoot using manual exposure using the exposure value obtained from a stand-alone exposure meter as a guide.

Macro shooting requires an exposure compensation that is according to the magnification. Shoot using the exposure value obtained from the stand-alone exposure meter with an exposure factor in the table on the next page added.



- With either exposure setting method, you may not be able to obtain an appropriate exposure depending on shooting conditions. It is recommended that you try shooting after changing the exposure as much as possible, or while checking results after shooting an image.

TS-E MACRO Lens Exposure Setting

● TS-E50mm f/2.8L MACRO

Magnification	1:5	1:3	1:2
Effective f/No.	3.3	3.4	3.8
Exposure Factor (stops)	1/3	2/3	2/3
	1/2	1/2	1

Upper values: 1/3 stops.
Lower values: 1/2 stops.

● TS-E90mm f/2.8L MACRO

Magnification	1:5	1:3	1:2
Effective f/No.	3.4	3.8	4.3
Exposure Factor (stops)	1/3	2/3	1
	1/2	1	1

Upper values: 1/3 stops.
Lower values: 1/2 stops.

● TS-E135mm f/4L MACRO

Magnification	1:5	1:3	1:2
Effective f/No.	4.8	5.2	5.8
Exposure Factor (stops)	1/3	2/3	1
	1/2	1/2	1

Upper values: 1/3 stops.
Lower values: 1/2 stops.

TS-E MACRO Lens Exposure Setting

- Depending on the camera model* and settings, you may not obtain standard exposure or you may obtain uneven exposure.

This phenomenon may improve by decreasing the shutter speed.

It is recommended that you try shooting while checking results after shooting an image.

- * • The firmware in the below cameras already corrects this phenomenon.

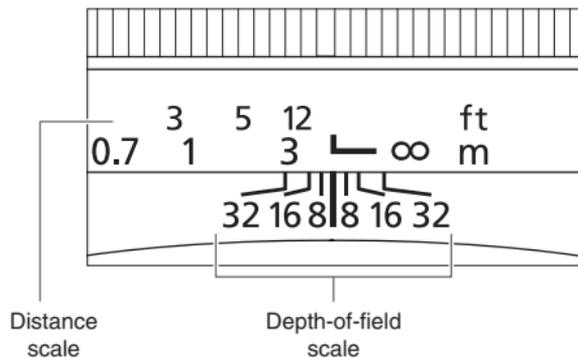
EOS 6D Mark II

- Upgrading the firmware in the below cameras will correct this phenomenon.

EOS 5D Mark IV, EOS 5D Mark III, EOS 5DS, EOS 5DS R, EOS-1D X Mark II, EOS-1D X,
EOS 6D

For details on firmware, see the Canon website.

8. Depth-of-Field Scale



The depth of field is the distance in front of and behind the plane of focus on the subject that appears sharp. The depth of field is indicated by the area between the depth-of-field scale lines below the distance scale. The numbers on the scale are aperture settings.



- The depth-of-field scale is only valid when the lens is not tilted or shifted.
- The depth-of-field scale is an approximate indicator.

9. Infinity Compensation Mark

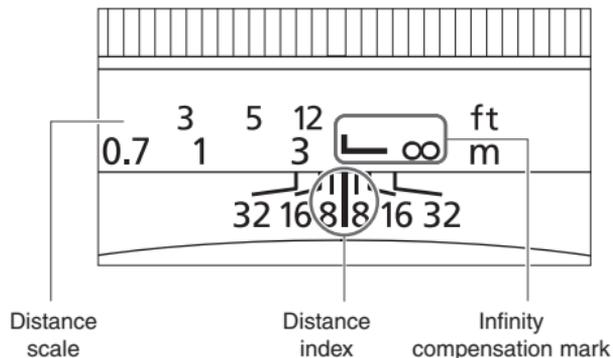


Illustration shows TS-E50mm f/2.8L MACRO.

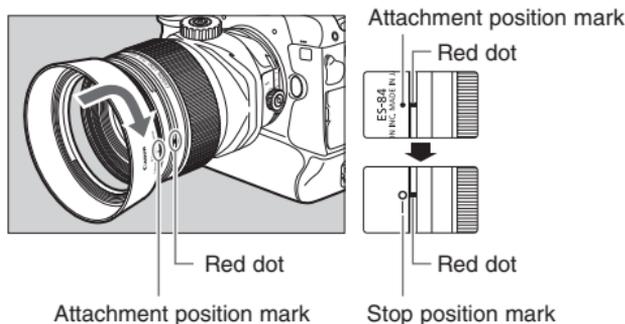
To compensate for shifting of the infinity focus point that results from changes in temperature, there is a margin at the infinity (∞) position. The infinity position at normal temperature is the point at which the vertical line of the distance scale L mark is aligned with the distance index.



- For accurate manual focusing of subjects at infinity, look through the viewfinder or look at the magnified image on the LCD screen while turning the focusing ring.

10. Hood

The ES-84 or ET-88 hood cuts out unwanted light and protects the front of the lens from rain, snow, and dust.



● Attaching

To attach the hood, align the hood's red attachment position mark with the red dot on the front of the lens, then turn the hood as shown by the arrow until it clicks.

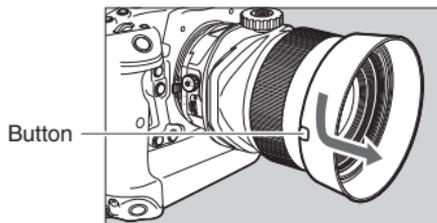


Illustration shows TS-E50mm f/2.8L MACRO.

● Removing

Keep your finger pressed down on the button located on the side of the hood, and then turn the hood in the direction of the arrow until the attachment position mark on the hood is aligned with the red dot on the front of the lens to detach it. The hood can be reverse-mounted on the lens for storage.

- If the hood is not attached properly, vignetting (darkening of the perimeter of the picture) may occur.
- Grasp and turn the base of the hood when attaching and detaching it. There are cases in which it may become deformed if the hood is turned with it grasped near to the rim.

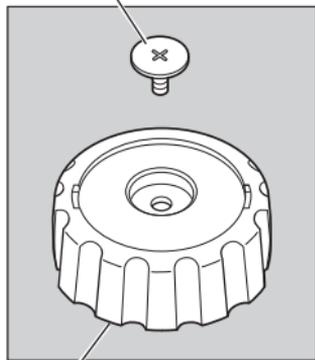
- Since only a hood is not very effective in cutting off the harmful rays entering the lens, also using a piece of cardboard is recommended.

11. Shift Knob Cap

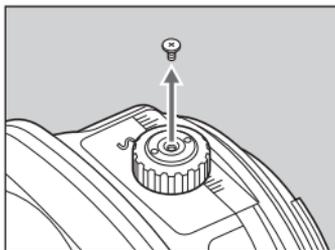
Shifting will be easier if the supplied shift knob cap is mounted (p.19).

However, note that for EOS cameras with a built-in flash, the cap may come in contact with the camera when mounting/detaching the lens, shifting the lens, or turning the lens for rotation.

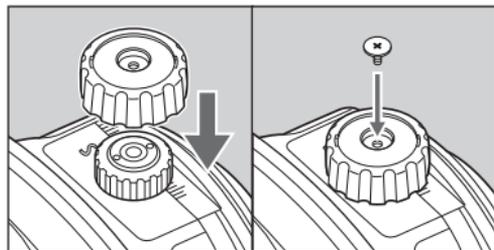
Screw (length: 3 mm)



Shift knob cap



1 Remove the shift knob screw.



2 Mount the cap by squeezing it onto the shift knob, and then fix it in place using the supplied screw.

- Be sure to fix the cap in place using the supplied screw (length: 3 mm).
- The removed screw (length: 2.2 mm) cannot be used to fix the cap in place. Store the removed screw, as it will be required when not using the cap.
- Use a precision screwdriver (Phillips).
- Do not turn the shift knob forcefully. This may cause malfunction.

12. Filters (sold separately)

You can attach filters to the filter mounting thread on the front of the lens.



- Only one filter may be attached.
- Use a Canon circular polarizing filter PL-C B. TS-E50mm f/2.8L MACRO and TS-E90mm f/2.8L MACRO: 77mm
TS-E135mm f/4L MACRO: 82mm
- Detach the hood when adjusting the polarizing filter.

13. Close-up Lens (sold separately)

- TS-E50mm f/2.8L MACRO

Attaching a 500D (77 mm) Close-up Lens enables close-up photography.

It provides a magnification of 0.10x to 0.58x.

Close-Up Lens 250D does not have a compatible size.

- TS-E90mm f/2.8L MACRO

Attaching a 500D (77 mm) Close-up Lens enables close-up photography.

It provides a magnification of 0.18x to 0.69x.

Close-Up Lens 250D does not have a compatible size.

- TS-E135mm f/4L MACRO

Close-Up Lenses 250D and 500D do not have compatible sizes.

14. Extension Tubes (sold separately)

You can attach extension tube EF12 II or EF25 II for magnified shots. The focusing distance and magnification are shown below.

● TS-E50mm f/2.8L MACRO

	Focusing distance (mm) (working distance)		Magnification (×)	
	Near	Far	Near	Far
EF12 II	242 (57)	371 (216)	0.74	0.23
EF25 II	224 (44)	256 (101)	1.00	0.48

● TS-E90mm f/2.8L MACRO

	Focusing distance (mm) (working distance)		Magnification (×)	
	Near	Far	Near	Far
EF12 II	365 (162)	821 (648)	0.64	0.15
EF25 II	352 (134)	493 (305)	0.82	0.32

Extension Tubes (sold separately)

- TS-E135mm f/4L MACRO

	Focusing distance (mm) (working distance)		Magnification (x)	
	Near	Far	Near	Far
EF12 II	459 (263)	1716 (1521)	0.62	0.09
EF25 II	443 (232)	943 (733)	0.77	0.20

15. TS-E Tripod Adapter (sold separately)

With some camera models, the tilt, shift and rotation functions cannot be used when the camera is mounted directly on a tripod. When this happens, fit the optional TS-E tripod adapter into the tripod mount socket on the camera before mounting the camera on the tripod.

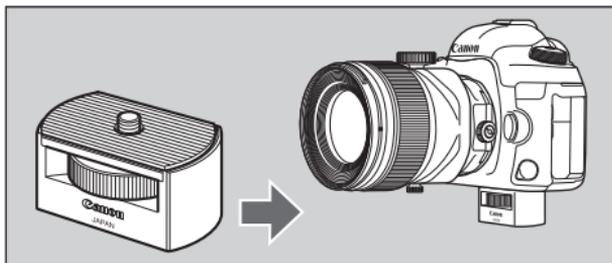


Illustration shows TS-E50mm f/2.8L MACRO.

Specifications

	TS-E50mm f/2.8L MACRO	TS-E90mm f/2.8L MACRO	TS-E135mm f/4L MACRO
Focal Length/Aperture	50mm f/2.8	90mm f/2.8	135mm f/4
Lens Construction	12 elements in 9 groups	11 elements in 9 groups	11 elements in 7 groups
Minimum Aperture	f/32	f/45	f/45
Angle of View (Normal)	Horizontal	40°	22°40'
	Vertical	27°	15°10'
	Diagonal	46°	27°
Min. Focusing Distance (working distance)	0.273 m/0.896 ft (89 mm/3.50 in)	0.390 m/1.281 ft (200 mm/7.87 in)	0.486 m/1.595 ft (303 mm/11.93 in)
Max. Magnification	0.5 times		
Field of View	Approx. 72 × 48 mm/2.83 × 1.89 in		
Tilt amount	±8.5°	±10°	
Shift amount	±12 mm		
Tilt scale display	1° increments		
Shift scale display	1-mm increments		
Rotation mechanism	Locks at -90°, 0°, and +90° positions Clicks each 30°		
TS Rotation mechanism	Locks at right angle and parallel positions Clicks at 45°		
Filter Diameter	77mm		82mm
Max. Diameter × Length	86.9 × 114.9 mm/3.42 × 4.52 in	86.9 × 116.5 mm/3.42 × 4.59 in	88.5 × 139.1 mm/3.48 × 5.48 in
Weight	Approx. 945 g/33.3 oz	Approx. 915 g/32.3 oz	Approx. 1110 g/39.2 oz
Hood	ES-84		ET-88
Lens Cap	E-77II		E-82II
Case	LP1219		LP1424

Specifications

- The lens length is measured from the mount surface to the front end of the lens. Add 24.2 mm when including the lens cap and dust cap.
- The size and weight listed are for the lens only, except as indicated.
- Extenders cannot be used with this lens.
- Macro Ring Lite MR-14EX II and Macro Twin Lite MT-24EX cannot be used with this lens.
- Aperture settings are specified on the camera.
- All data listed is measured according to Canon standards.
- Product specifications and appearance are subject to change without notice.

Canon