Thank you for purchasing a Canon product.

The EF50mm f/2.5 Compact macro is a macro lens that can be used for standard shooting and for close-up shooting up to 1/2 × (0.5×). This is a standard macro lens for EOS cameras. Lifesize magnification (1×) is also possible by attaching the Life Size Converter EF sold separately. The Canon EF100mm f/2.8 Macro is a medium telephoto macro lens that provides life-size close-up capability.

### Safety Precautions

1. Do not look at the sun or a bright light source through the lens or camera. Doing so could result in loss of vision. Looking at the sun directly through the lens is especially hazardous.
2. 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.

### Handling Cautions

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.

### 1. Mounting and Detaching the Lens

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

- After detaching the lens, place the lens with the rear end up to prevent the lens surface and contacts from getting scratched.
- If the contacts get soiled, scratched, or have fingerprints on them, corrosion or faulty connections can result. The camera and lens may not operate properly.
- If the contacts get soiled or have fingerprints on them, clean them with a soft cloth.
- If you remove the lens, cover it with the dust cap. To attach it properly, align the lens mount index and the O index of the dust cap, and turn clockwise. To remove it, reverse the order.
- Do not touch the rotating parts of the lens while AF is active.

### 2. Setting the Focus Mode

To shoot in autofocus (AF) mode, set the focus mode switch to AF. To shoot in manual focus (MF) mode, set the focus mode switch to MF, and focus by turning the focusing ring.

### 3. Switching the Focusing Distance Range (EF100mm f/2.8 Macro only)

**FULL:** Allows a focusing distance range of 0.31 m (Min. focusing distance) to 0.57 m (0.25×) for close-up shots.

**LIMIT:** Allows a focusing distance range of 0.31 m (life-size) to 0.57 m (0.25×) for close-up shots.

### 4. Close-up Photography (Macro Photography)

Close-up photos are possible up to 0.5× maximum magnification with the EF50mm f/2.5 Compact macro, and up to 1× (life-size) magnification with the EF100mm f/2.8 Macro. The focusing distance is the distance from the subject to the film plane.

#### [Framing Priority]

1. Set the lens’ focus mode switch to MF.
2. Set the magnification.
3. Focus the subject.
   - While looking through the viewfinder, move the camera forward or back to find the point of focus.
   - Turn the focusing ring for fine focusing.
4. Touch up the focus.
   - Since macro shots have a very shallow depth of field, focus carefully to obtain proper sharpness.
   - To prevent camera shake, using a Remote Switch and tripod is recommended (both sold separately).
   - To check the depth of field, press the camera’s depth-of-field preview button.

### Nomenclature

- Magnification scale (normal operation)
- Distance scale
- Depth-of-Field scale
- Magnification scale with Life Size Converter EF attached (EF50mm f/2.5 only)
- Distance index
- Focusing ring
- Focus mode switch
- Lens mount index
- Contacts
- Focusing distance range selector switch (EF100mm f/2.8 Macro only)
5. Setting the Exposure
When taking photographs using TTL metering, no exposure compensation is necessary to meter the light coming through the lens. With TTL metering, AE (autoexposure) is possible at all focusing distances. Just set the desired picture-taking mode, then check the shutter speed and aperture before taking the picture.
When you use a handheld exposure meter to set the exposure, you must take into account the exposure factor shown in the following table.

- **Depth-of-Field Scale**

The depth-of-field scale is an approximate indicator.

**EF50mm f/2.5 with Life Size Converter EF**

- **Magnification**
  - 1:1.1
  - 1:1.3
  - 1:1.5
  - 1:1.8
  - 1:2.2
  - 1:2.5

- **Effective f/No.**
  - 1.21
  - 1.27
  - 1.44
  - 1.56
  - 1.78
  - 1.96

- **Exposure Factor**
  - In ½ stops
    - 0
    - +½
    - +1.0

**EF50mm f/2.5 Compact macro lens only**

- **Magnification**
  - 1:1
  - 1:2
  - 1:2.5
  - 1:3
  - 1:4

- **Effective f/No.**
  - 1.44
  - 1.61
  - 1.76
  - 1.99
  - 2.41
  - 3.38

- **Exposure Factor**
  - In ½ stops
    - 0
    - +½
    - +1.0

**EF100mm f/2.8**

- **Magnification**
  - 1:1

- **Effective f/No.**
  - 1.44
  - 1.61
  - 1.76
  - 2.41
  - 3.38

- **Exposure Factor**
  - In ½ stops
    - 0
    - +½
    - +1.0

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<th>Exposure Factor (stops)</th>
<th>Effective f/No.</th>
<th>Magnification</th>
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</tbody>
</table>

**EF50mm f/2.5 with Life Size Converter EF**

- **Magnification**
  - 1:1
  - 1:2
  - 1:3
  - 1:4

- **Effective f/No.**
  - 1.44
  - 1.61
  - 1.76
  - 2.41
  - 3.38

- **Exposure Factor**
  - In ½ stops
    - 0
    - +½
    - +1.0
    - +1½

**EF100mm f/2.8**

- **Magnification**
  - 1:1

- **Effective f/No.**
  - 1.44
  - 1.61
  - 1.76
  - 2.41
  - 3.38

- **Exposure Factor**
  - In ½ stops
    - 0
    - +½
    - +1.0
    - +1½

**EF50mm f/2.5 Compact macro lens only**

- **Magnification**
  - 1:1
  - 1:2
  - 1:3
  - 1:4

- **Effective f/No.**
  - 1.44
  - 1.61
  - 1.76
  - 2.41
  - 3.38

- **Exposure Factor**
  - In ½ stops
    - 0
    - +½
    - +1.0
    - +1½

**EF100mm f/2.8**

- **Magnification**
  - 1:1

- **Effective f/No.**
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  - 1.61
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**EF50mm f/2.8**

- **Magnification**
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    - +1.0
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**EF100mm f/2.8**

- **Magnification**
  - 1:1

- **Effective f/No.**
  - 1.44
  - 1.61
  - 1.76
  - 2.41
  - 3.38

- **Exposure Factor**
  - In ½ stops
    - 0
    - +½
    - +1.0
    - +1½

9. Specifications

- **Focal Length/Aperture**
  - EF50mm f/2.5
  - 50mm, f/2.5

- **Lens Construction**
  - 8 groups, 9 elements

- **Angle of View**
  - Diagonal–46°
  - Vertical–27°
  - Horizontal–40°

- **Focusing Distance**
  - 0.23 to 0.57 m (0.8 to 2.2 ft)
  - 0.31 to 0.57 m (1.0 to 1.8 ft)

- **Max. Magnification**
  - 1:10
  - 1:8
  - 1:6
  - 1:5
  - 1:4
  - 1:3
  - 1:2.5
  - 1:2

**Filter Diameter**

- 52 mm

**Max. Diameter and Length**

- 67.6 x 63 mm (2.7 x 2.5 inch)
- 75 x 105.3 mm (3 x 4.1 inch)

**Weight**

- 280 g (9.8 oz)
- 650 g (1.42 lb)

This Class B digital apparatus complies with Canadian ICES-003.