

Canon

INTERCHANGEABLE LENSES



INTRODUCTION

For nearly forty years, Canon has been making fine quality photographic lenses, acknowledged world-wide as some of the best optics available.

The lenses in this Sales Guide represent the best quality today's technology is capable of producing. Canon's design goals were, in short: perfect optical performance at all focusing distances, versatility in terms of available focal lengths and aperture choices, compactness and durable mechanical construction.

You can recommend any lens in the Canon line to your customers without the slightest reservation that whichever focal length they choose, they will get the finest in performance. As a

service to them, you should point out that the use of independently-made lenses with Canon SLR cameras can cause mechanical problems—since independent lenses are often not made to the same exacting standards as Canon lenses.

In this Section, lenses have been grouped as follows: Fish Eye, Super-Wide-Angle, Wide-Angle, Standard, Telephoto, Super-Telephoto, Zooms and Professional lenses. Lenses in the "Professional" category are either exceptional in performance, or offer some unique feature of use to professional or highly involved amateur photographers.

CANON INTERCHANGEABLE LENSES

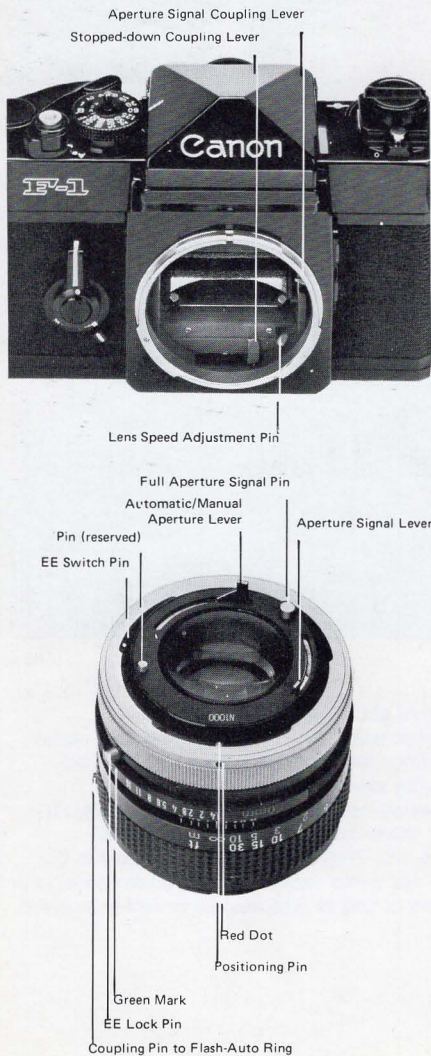
FUNCTION OF CANON LENSES

There are three basic types of Canon breech-lock lens mounts, each differing slightly in aperture and metering function.

Lenses with the FD designation have fully automatic diaphragms (reopen after exposure to maximum aperture), full-aperture metering on all current Canon SLR models (except the EX Auto, which takes exclusive lenses) and permit automatic-exposure operation with the EF and with the Servo EE Finder-equipped F-1.

Current FD lenses are also furnished with an EE lock pin which locks the aperture into the automatic mode for use with the EE or F-1 and Servo EE Finder. In addition, they have a spring-loaded mechanism which turns the lock ring slightly when they are mounted on the camera, safeguarding against possible dropping of the lens before the ring is completely tightened.

Depth-of-field may be checked, and stopped-down meter readings may be performed with FD lenses by utilizing the stopped-down lever on the camera body, or by locking the aperture lever on the rear of the lens. For all FD lenses *except* the FD 50mm f/1.8, this lever can be moved until it locks. The FD 50mm f/1.8 is provided with its own aperture-lever lock.



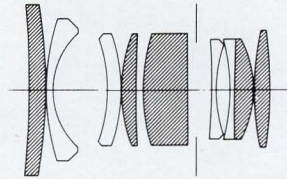
Lenses with the FL designation have fully automatic diaphragm, and require stopped-down metering with all Canon SLR's. Automatic operation with the EF or Servo EE Finder-equipped F-1 is not possible with FL series lenses. These lenses possess an "A-M" switch or ring which may be used in place of the stopped-down metering lever on the camera in order to check depth-of-field.

R series lenses have all manual operations on current Canon SLR cameras, but can be used for manual, stopped-down metering. They fit any currently-made Canon SLR perfectly.

ADVANTAGES OF THE CANON BREECH-LOCK LENS MOUNT

The Canon Breech-Lock lens mount has several advantages over any other type of lens mount. It is faster in operation than a screw type mount. Since there is no wear between the surface of the mounts (camera body and lens) the critical flange-to-film distance (important for good sharpness) never varies, no matter how long the camera is in use. And any play which might develop between camera and lens can be taken up through the tightening action of the lock ring.

DESIGN GOALS FOR CANON LENSES



Canon engineers had specific criteria in mind when they began designing their current series of lenses. Briefly, they are as follows:

1. Extended range of available focal lengths. This is self-explanatory. No family of fine SLR cameras is truly useful without a related family of top-quality lenses to go with it. Available Canon lenses cover every photographic application.
2. Compactness of design. Special care was taken in the FD lens series to insure maximum performance in a minimum size and weight package.
3. Image sharpness throughout the entire focusing range. Most general-purpose lenses are designed to give their best results at medium to far distances. Until the adoption of the Canon Floating System (described in this section later in detail) it was physically impossible for a lens to be as sharp at its minimum focusing distance as it was at normal focusing distances. The Floating System has solved this problem resulting in a group of lenses that are excellent at their minimum focusing distances.

4. Research into advanced construction and materials. Canon's extensive scientific research facilities have led to the production of many exotic photographic materials, materials which have been put to practical use in such lenses as the Canon Fluorite lenses. Because of new measurement and lens polishing techniques, the new series of Canon Aspherical lenses has been made possible.

5. Development of special lenses. Almost any manufacturer makes the usual assortment of SLR lenses. But for the pro or serious amateur, it's the special lenses that make the system worthwhile. Our special optics include Fish Eyes, Super-Telephotos, high speed lenses, Aspherical and Fluorite lenses, Zooms, Macro lenses and a special 35mm lens that shifts for perspective control and tilts for increased depth-of-field.

6. Practical use of a single- and multi-layer lens coatings. Not all lens designs require the added benefits of multiple coating (Super Spectra Coating) to reduce flare. Canon does not multi-coat all lenses indiscriminately. Both Spectra and Super Spectra Coated lenses are unsurpassed for increased light transmission, high contrast and reduced flare and ghosts.

7. High resolving power and contrast. These are probably the two most important factors in lens performance to any photographer. Canon's lens line is unique—it is consistent from the widest Fish Eye to the longest Super-Telephoto in image quality. There are no "better" focal lengths in the line—they are all consistently excellent.

8. Mechanical durability and dependability. Canon lenses stand up to years of hard, long use. They are constructed using the most modern design techniques possible, for extra smooth operation when new, and long after.

CANON INTERCHANGEABLE LENSES

ANGLE-OF-VIEW

For each Canon lens, there is a designated angle-of-view. This term represents the angle, measured diagonally, that the lens "sees".

These photographs illustrate the effect of a widely changing angle-of-view on a fixed subject.

PERSPECTIVE

Perspective changes with a change in angle-of-view and camera-to-subject distance. For example, a 50mm lens can exhibit perspective distortion when a face is photographed at minimum focusing distance, while it may exhibit no perspective distortion when used from a few feet further back.

Likewise, as these illustrations show, perspective can be altered when maintaining the same subject image size, by using lenses of different focal lengths. In general, wide-angle lenses increase perspective distortion (not true distortion, perspective

distortion is a natural optical phenomenon) and telephoto lenses tend to reduce or "flatten" perspective. Concurrently, wide-angles produce a greater feeling of "depth" in a photograph, while telephotos reduce this feeling.

DEPTH-OF-FIELD

Depth-of-field is the distance on either side of the subject which will be in focus at the same time as the subject. It varies with focal length, camera-to-subject distance and aperture.

Given the same camera-to-subject distance, depth-of-field will *increase* as focal length and/or aperture *decreases*.

Given the same aperture, depth-of-field will *increase* as focal length *decreases* and camera-to-subject distance *increases*.

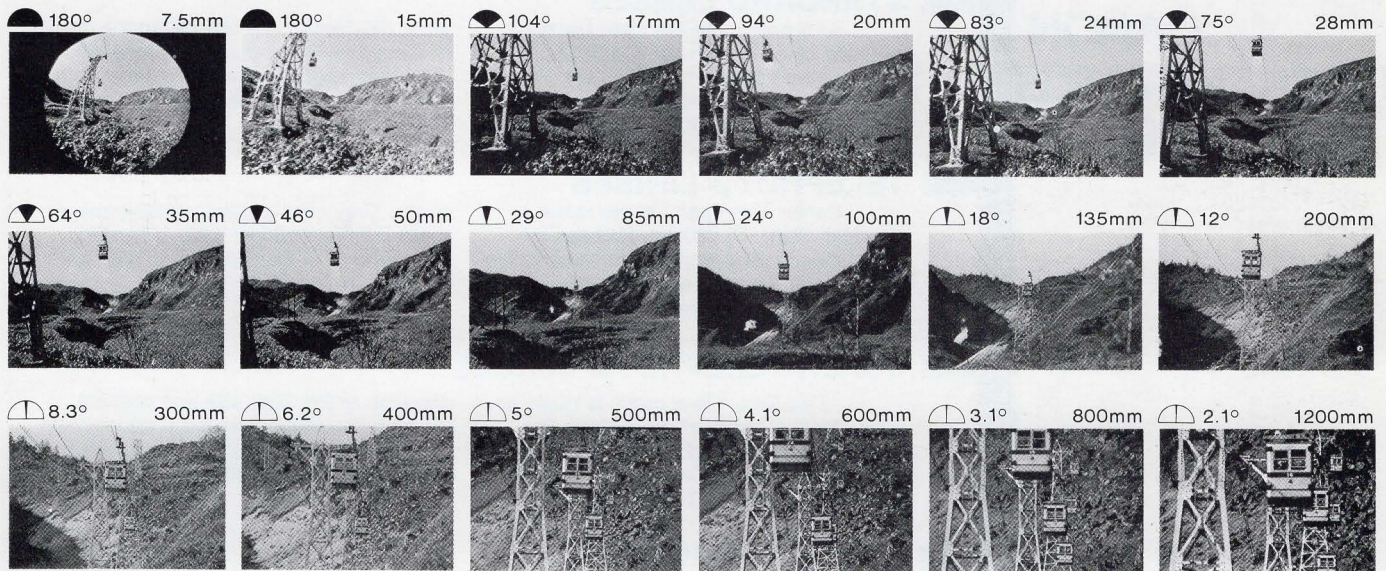
Given the same focal length, depth-of-field *increases* as aperture *decreases* and camera-to-subject distance

increases. From this information, the *general* rules can be followed that:

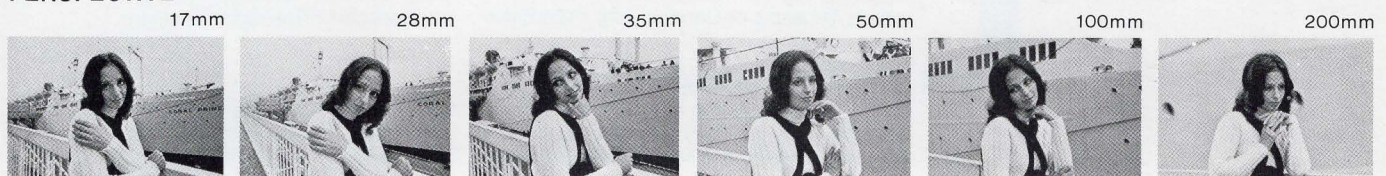
1. Longer lenses have less depth-of-field at the same camera-to-subject distance as shorter lenses.
2. Smaller apertures result in greater depth-of-field.
3. The closer the camera-to-subject distance, the less the depth-of-field.

All Canon lenses have visual depth-of-field scales for reference. In addition, depth-of-field can be checked through the viewfinder via the stopped-down lever or, in the case of FL and R lenses, the A-M ring.

ANGLE-OF-VIEW



PERSPECTIVE



DEPTH-OF-FIELD



CANON INTERCHANGEABLE LENSES

FISH EYE LENSES

The Canon Fish Eye Lenses are exceptionally sharp, fast and compact. Canon uses the term "fish eye" to represent lenses that have an extremely wide

angle-of-view *and* non-linear rendition of straight lines. Both the 7.5mm (circular image) and 15mm (full-frame image) Canon Fish Eye Lenses have built-in filter turrets.

SUPER-WIDE-ANGLE LENSES

Canon's Super-Wide-Angle group of lenses runs from 17mm through 24mm. These lenses have an extremely wide angle-of-view, with linear rendition of straight lines and minimal distortion. They are

especially noteworthy because of their high speed, compactness, excellent edge-to-edge sharpness and even illumination.

WIDE-ANGLE LENSES

The Wide Angle Canon lenses run from 28mm through 35mm. They are quite popular, because they give superior image quality, minimal distortion, high speed and a

wide angle-of-view coupled with great depth-of-field. This makes them ideal for the press photographer and snaphooter.

STANDARD LENSES

As a group, the Standard Lenses have the fastest maximum apertures, ranging from f/1.8 to f/1.2. They are true "standards" too, regarding optical performance. Lenses in this focal length

group (50-55mm) are considered the ideal all-around optics by many photographers, since their angle-of-view is such that it can adapt to a variety of situations and subject matter.

TELEPHOTO LENSES

Canon Telephoto Lenses range in size from 85mm to 300mm. Perhaps the most unusual thing about them, besides their unique optical quality, is their small size. Many are physically smaller than their focal

length. They offer uncompromising image quality and exceptional ease in handling. And because of their small size, they are excellent for traveling.

SUPER-TELEPHOTO LENSES

This Canon lens group is made up of four lenses, ranging from 400mm to 1,200mm in focal length. Each makes use of a common Focusing Unit, itself containing two optical elements. Thanks to the

utilization of this Unit, size and cost are reduced considerably for the photographer needing to equip himself with lenses that have truly great magnification.

ZOOM LENSES

Versatility, sharpness and mechanical durability highlight Canon's Zoom Lens group. Because of Canon's long experience

in the field of fast zoom lenses, the current group of Canon Zooms is almost unsurpassed in the zoom category.

PROFESSIONAL LENSES

Formerly, some of the lenses in this category were grouped with other Canon lenses. However, it is felt that they represent the nucleus of a growing group of Canon lenses whose performance and/or unique

features make it worthy of special attention. This group includes Macro lenses, ASPHERICAL lenses, the unique Tilt-and-Shift lens and the incomparable FLUORITE lenses.

FISH EYE LENSES

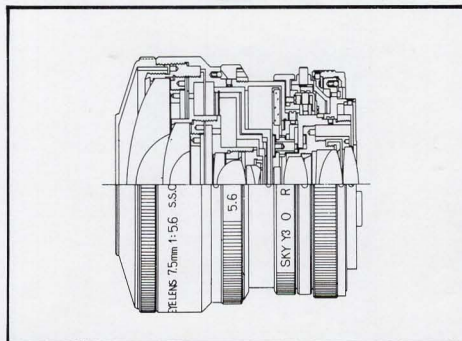
2-15172-21

Fish Eye 7.5mm f5.6 SSC

Canon Fish Eye lens
7.5mm f 5.6 SSC in case



This is one of the most compact circular-image fish eye lenses available today. It is particularly sharp and well corrected for color aberrations, in addition to having excellent performance at any distance. Focusing is unnecessary because of the inherently great depth-of-field of this lens. Since it is of retrofocus design, it does not necessitate mirror lock-up. It is an ideal lens for the photographer seeking dramatic effects, as well as the scientist needing a hemispherical lens for special observations.



SPECIFICATIONS

TYPE: circular-image fish eye
Construction: 11 elements in 8 groups
Coating: Super Spectra
Angle of View: 180°
Minimum Aperture: f 22
Closest Focusing Distance: focus
Filter Size: — built-in (sky, Y3, O, R, CCA4, CCB4)
Lenshood: N/A
Length: 62mm (2⁷/₁₆ in.)
Weight: 380g (13¹/₂ oz.)
Cap: exclusive (23-7613)
Case: D (hard)/SA (soft) (4-70471-01)/(4-70741-00)
Function: manual aperture

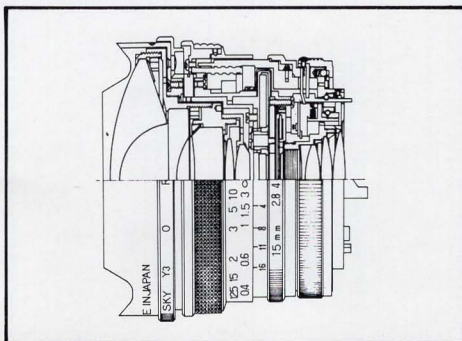
2-15201-21

Fish Eye FD 15mm f2.8 SSC

Canon Fish Eye lens
FD 15mm f 2.8 SSC in case



There is no finer lens than the FD 15mm f 2.8 for the photographer wishing to have the impact of a fish eye with a full-frame image. Its remarkable speed makes it ideal for color photography under poor lighting conditions. Photographers all over the world have hailed this lens as perhaps the sharpest of its kind. It features superb color correction, excellent contrast and even illumination as well. Thanks to its retrofocus (reversed telephoto) design, through-the-lens viewing and focusing are possible.



SPECIFICATIONS

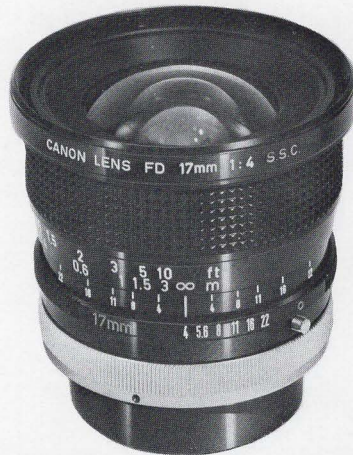
Type: full-frame fish eye
Construction: 10 elements in 9 groups
Coating: Super Spectra
Angle of View: 180°
Minimum Aperture: f 16
Closest Focusing Distance: .3m (1 ft.)
Filter Size: — built-in (sky, Y3, O, R)
Lenshood: built-in
Length: 60.5mm (2³/₈ in.)
Weight: 485g (1 lb. 1 oz.)
Cap: exclusive (29-9728)
Case: I (hard)/SA (soft) (4-90371-01)/(4-70741-00)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

SUPER-WIDE-ANGLE LENSES

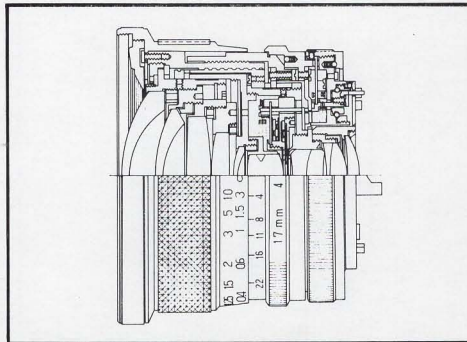
2-15162-21

FD 17mm f4 SSC

Canon lens FD 17mm f4 SSC in case



Considering its super-wide-angle of view, the performance of this lens is amazing. It offers linear perspective rendition, as opposed to the curvilinear rendition of a fish eye. Because of this, it is well-suited to critical applications such as architectural photography. Thanks to the incorporation of the Canon Floating System, close-up sharpness is as good as sharpness at medium and far distances. Its retrofocus design permits through-the-lens viewing and focusing, and its moderately fast aperture gives it added flexibility in low light. An accessory lenshood is not required — the barrel of the lens itself gives maximum protection from stray light rays, preserving contrast and helping to eliminate ghosts.



SPECIFICATIONS

Type: super-wide-angle
Construction: 11 elements in 9 groups
Coating: Super Spectra
Angle of View: 104°
Minimum Aperture: f 22
Closest Focusing Distance: .25m (10 in.)
Filter Size: 72mm
Lenshood: none required
Length: 56mm (2³/₁₆ in.)
Weight: 450g (1 lb.)
Cap: 75mm metal (39-9640)
Case: I (hard)/SA (soft)
 (4-90371-01)/(4-70741-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

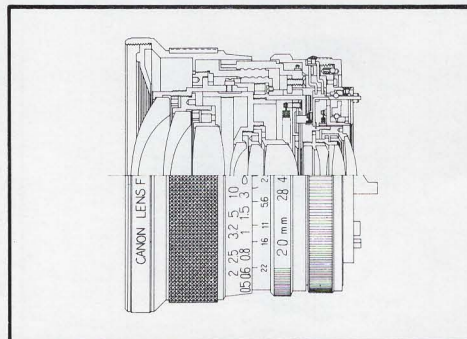
2-15191-21

FD 20mm f2.8 SSC

Canon lens FD 20mm f 2.8 SSC in case



There is no faster lens currently available in this focal length than the FD 20mm f2.8. It is also unique in the kind of optical quality it offers to critical photographers. Perspective distortion is almost nonexistent, except for that which is NORMAL when wide-angle lenses are used to photograph close subjects. Like the FD 17mm f4, it permits full viewing and focusing through the lens because it is of retrofocus (inverted telephoto) design. And, also like the 17mm f4, the mount (barrel) of the lens itself acts as an effective lens shade. The fast aperture and wide angle-of-view of this Canon lens will make it popular among a wide range of photographers.



SPECIFICATIONS

Type: super-wide-angle
Construction: 10 elements in 9 groups
Coating: Super Spectra
Angle of View: 94°
Minimum Aperture: f 22
Closest Focusing Distance: .25m (10 in.)
Filter Size: 72mm
Lenshood: none required
Length: 58mm (2¹/₄ in.)
Weight: 345g (12 oz.)
Cap: 75mm metal (39-9640)
Case: I (hard)/SA (soft)
 (4-90371-01)/(4-70741-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

SUPER-WIDE-ANGLE LENSES

Note: The FD 24mm f/1.4 S.S.C. ASPHERICAL lens is in the PROFESSIONAL lens group at the end of the LENSES section.

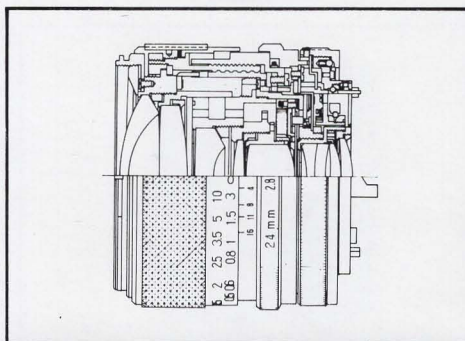
2-15113-21

FD 24mm f2.8 SSC

Canon lens FD 24mm f 2.8 SSC in case



Because of its high speed, compactness and exceptional optical performance, this has become one of the most widely-used of the Canon super-wide-angle lenses. It has been constructed with even edge-to-edge illumination of the film frame as one of the paramount design considerations. Thanks to its high speed, it is easy to focus accurately even in relatively poor light, and the inclusion of the Floating System makes it as sharp at close-up distances as it is for general work. It is the perfect lens for the photographer wanting a good all-purpose super-wide-angle lens.



SPECIFICATIONS

Type: super-wide-angle
Construction: 9 elements in 8 groups
Coating: Super Spectra
Angle of View: 83°
Minimum Aperture: f 16
Closest Focusing Distance: .3m (1 ft.)
Filter Size: 55mm
Lenshood: BW-55B (4-45714-01)
Length: 52.5mm (2¹/₈ in.)
Weight: 330g (11¹/₂ oz.)
Cap: C-55 (29-9661)
Case: C (hard)/SA (soft) (4-70461-00)/(4-70741-00)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

WIDE-ANGLE LENSES

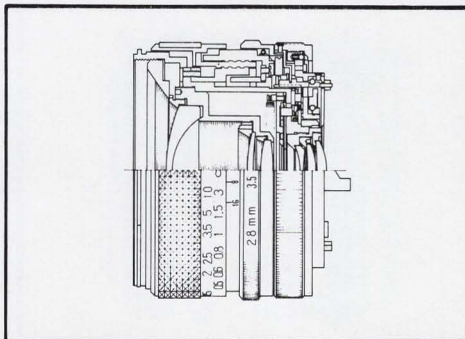
2-15083-21

FD 28mm f3.5 SC

Canon lens FD 28mm f3.5 SC in case



For scenics, travel, and general wide-angle snaphooting, it is difficult to find a more suitable lens than the FD 28mm f 3.5. It is extremely compact and light in weight, and offers unusually good and even illumination across the field. Naturally, sharpness, contrast and freedom from aberrations are all nearly perfect. It will be a good choice for the photographer wanting a combination of quality and compactness in a moderately wide-angle lens.



SPECIFICATIONS

Type: wide-angle
Construction: 6 elements in 6 groups
Coating: Spectra
Angle of View: 75°
Minimum Aperture: f 16
Closest Focusing Distance: .4m (1 ft. 6 in.)
Filter Size: 55mm
Lenshood: BW-55B (4-45714-01)
Length: 43mm (1¹¹/₁₆ in.)
Weight: 250g (9 oz.)
Cap: C-55 (29-9661)
Case: C (hard)/SA (soft) (4-70461-00)/(4-70741-00)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

WIDE-ANGLE LENSES

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FD 28mm f2.8 SC

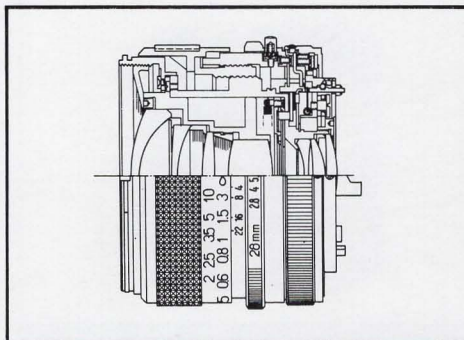
Canon lens FD 28mm
f 2.8 SC in case



SPECIFICATIONS

Type: wide-angle
Construction: 7 elements in 7 groups
Coating: Spectra
Angle of View: 75°
Minimum Aperture: f 22
Closest Focusing Distance: .3m (1 ft.)
Filter Size: 55mm
Lenshood: BW-55B (4-45714-01)
Length: 49mm (1⁵/₁₆ in.)
Weight: 280g (10 oz.)
Cap: C-55 (29-9661)
Case: C (hard)/SA (soft)
 (4-70461-00)/(4-70741-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

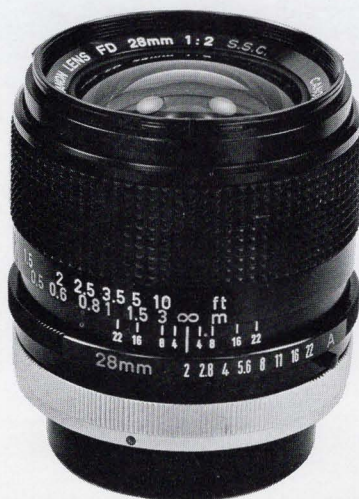
Like the FD 28mm f 3.5, the FD 28mm f 2.8 offers outstanding sharpness, compactness, contrast and durability. It also offers the bonus of approximately one-half f stop more speed. This is ideal for color photographers, especially those wishing to work indoors by available light. The added brightness also helps to facilitate focusing.



2-15211-21

FD 28mm f2 SSC

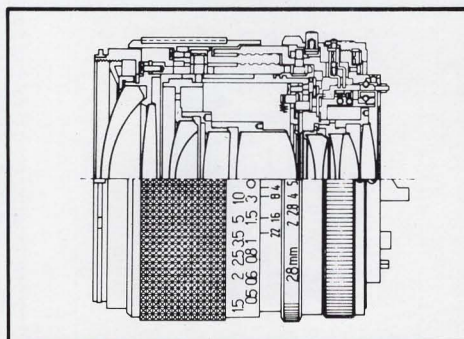
Canon lens FD
28mm f 2 S S C
in case



SPECIFICATIONS

Type: wide-angle
Construction: 9 elements in 8 groups
Coating: Super Spectra
Angle of View: 75°
Minimum Aperture: f 22
Closest Focusing Distance: .3m (1 ft.)
Filter Size: 55mm
Lenshood: BW-55B (4-45714-01)
Length: 61 mm (2³/₈ in.)
Weight: 343g (12 oz.)
Cap: C-55 (29-9661)
Case: C (hard)/SA (soft)
 (4-70461-00)/4-70741-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

The uses for a lens combining the wide angle-of-view of a 28mm lens with the fast f 2 aperture of a high-speed lens are nearly limitless. Even with its high speed, optical performance is exceptional at every aperture and focusing distance. And despite its fast maximum aperture, it is quite compact and light in weight. It's a lens that will be genuinely appreciated by critical photographers for its outstanding versatility.



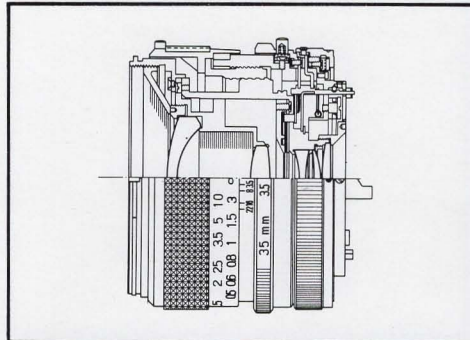
WIDE-ANGLE LENSES

Note: The TS 35mm f 2.8 S S C (Tilt-and-Shift) lens is in the PROFESSIONAL lens group at the end of the LENSES section.

2-15142-21

FD 35mm f3.5 SC

Canon lens FD 35mm f 3.5 SC in case



This is Canon's most popular wide-angle lens. In sharpness, contrast, compactness and evenness of illumination, it is nearly impossible to surpass. It offers the photographer a moderately-priced optic that is built to Canon's traditional standards of ruggedness and dependability. Equipped with coupling pin, for use with the Canon Auto Tuning (CAT) System for automatic flash photography.

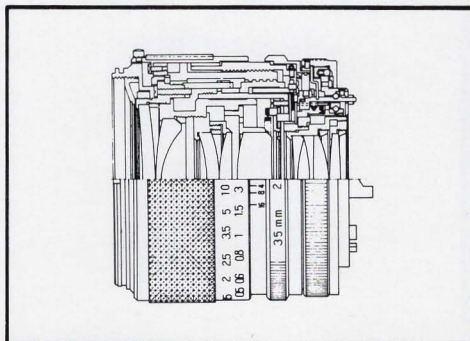
SPECIFICATIONS

Type: wide-angle
Construction: 5 elements in 5 groups
Coating: Spectra
Angle of View: 64°
Minimum Aperture: f/22
Closest Focusing Distance: .4m (1 ft. 6 in.)
Filter Size: 55mm
Lenshood: BW-55A (4-45713-01)
Length: 49mm (1¹⁵/₁₆ in.)
Weight: 236 g (8 oz.)
Cap: C-55 (29-9661)
Case: C (hard)/SA (soft) (4-70461-00)/(4-70741-00)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1); equipped with CAT pin for use with Canon Auto Tuning system; Flash-Auto Ring A₂ or B₂

2-15153-21

FD 35mm f2 SSC

Canon lens FD 35mm f 2 SSC in case



Many photographers today prefer the 35mm focal length as a standard lens. The Canon FD 35mm f 2 S S C lens is among the very finest of its focal length. It will meet or surpass the needs of the most critical photographer. The fast maximum aperture make it extremely fast and easy to focus, and insures available-light capability combined with spectacular results. It is equipped with a coupling pin for use with the CAT system. The Canon Floating System makes this lens particularly well-suited to close-up work.

SPECIFICATIONS

Type: wide-angle
Construction: 9 elements in 8 groups
Coating: Super Spectra
Angle of View: 64°
Minimum Aperture: f 22
Closest Focusing Distance: .3m (1ft.)
Filter Size: 55mm
Lenshood: BW-55A (4-45713-01)
Length: 60mm (2³/₈ in.)
Weight: 345g (12 oz.)
Cap: C-55 (29-9661)
Case: C (hard)/SA (soft) (4-70461-00)/(4-70741-00)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1); equipped with CAT pin for use with Canon Auto Tuning system; Flash-Auto Ring A₂ or B₂

STANDARD LENSES

Note: The FD 55mm f1.2 S S C ASPHERICAL lens is in the PROFESSIONAL lens group at the end of the LENSES section.

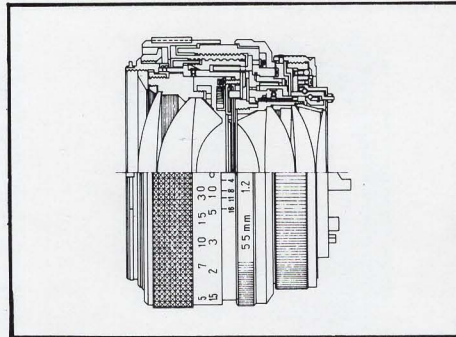
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FD 55mm f1.2 SSC

**Canon lens FD 55mm
f 1.2 SSC**



The tremendous speed of this lens makes it the required choice for the professional photographer who simply cannot shoot with flash, or for the amateur who prefers not to shoot with flash's distraction. In terms of image quality, it is extremely good, especially at maximum aperture. Flare and other aberrations associated with high-speed optics are remarkably low, and it is especially easy to focus, thanks to its shallow depth-of-field.



SPECIFICATIONS

Type: standard

Construction: 7 elements in 5 groups

Coating: Super Spectra

Angle of View: 43°

Minimum Aperture: f 16

Closest Focusing Distance: .6m (2 ft.)

Filter Size: 58mm

Lenshood: BS-58 (4-46015-00)

Length: 52.5mm (2 $\frac{1}{16}$ in.)

Weight: 510g (1 lb. 2 oz.)

Cap: C-58 (29-9662)

Case: I (hard)/SA (soft)
(4-90371-01)/(4-70741-00)

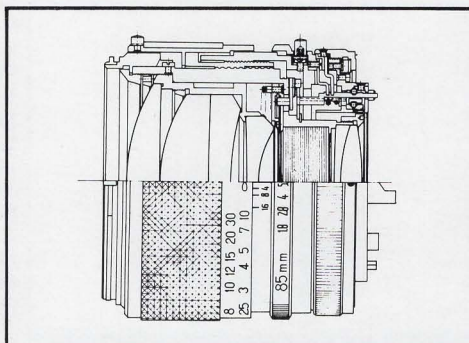
Function: auto aperture, full-aperture metering
(AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

TELEPHOTO LENSES

2-17192-22

FD 85mm f1.8 SSC

Canon lens FD 85mm f 1.8 SSC in case



The 85mm focal length is considered by many to be a "short telephoto", but since it magnifies the image in relation to the magnification produced by the "standard" lens, it is classified as a telephoto. Quite a few photographers use this lens as their normal lens, because of its high speed, close focusing and very natural perspective. It is ideal for news, general photography and portraiture. In size, it is hardly larger than the standard 50mm \dagger 1.4.

SPECIFICATIONS

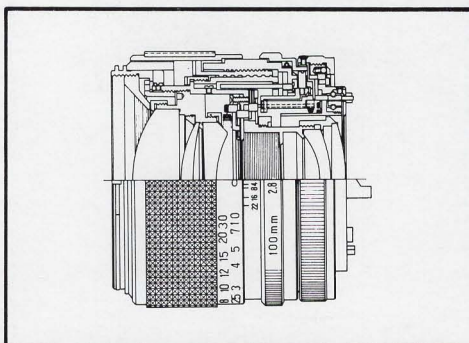
Type: short telephoto
Construction: 6 elements in 4 groups
Coating: Super Spectra
Angle of View: 29°
Minimum Aperture: f 16
Closest Focusing Distance: .9m (3 ft.)
Filter Size: 55mm
Lenshood: BT-55 (4-45715-00)
Length: 57mm (2¼ in.)
Weight: 425 g (15 oz.)
Cap: C-55 (29-9661)
Case: D (hard)/SA (soft)
 (4-70471-01)/(4-70741-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

2-17142-22

FD 100mm f2.8 SSC

Canon lens FD 100mm
 f 2.8 SSC w/hood in case

Note: The FLM 100mm \dagger 4 Macro lens for bellows is in the PROFESSIONAL lens group at the end of the LENSES section.



This amazing lens is hardly larger than the FD 50mm f 1.4, despite having a focal length which is twice as great! It is the ideal lens for a large number of moderate-telephoto applications, such as portraiture, scenics, sports and (with a Bellows unit) close-up and macro work. Most photographers consider this lens a "must" in an SLR outfit, and there is no better choice available to them than this example.

SPECIFICATIONS

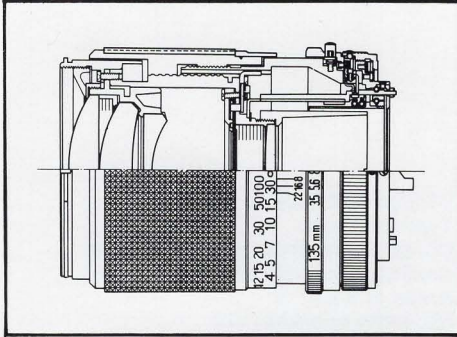
Type: telephoto
Construction: 5 elements in 5 groups
Coating: Super Spectra
Angle of View: 24°
Minimum Aperture: f 22
Closest Focusing Distance: 1m (3 ft. 6 in.)
Filter Size: 55mm
Lenshood: BT-55 (4-45715-00)
Length: 57mm (2¼ in.)
Weight: 360g (12½ oz.)
Cap: C-55 (29-9661)
Case: D (hard)/SA (soft)
 (4-70471-00)/(4-70741-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

TELEPHOTO LENSES

2-17172-22

FD 135mm f3.5 SC

Canon lens FD 135mm
f 3.5 SC w/hood in case



Like the FD 100mm, the FD 135mm f 3.5's size is astounding: it's only 83mm long, despite its 135mm focal length. The FD 135mm f 3.5 gives photographers the added "reach" they need for nature photography, scenery and sports, coupled to the handling ease of a moderate focal length, and a relatively fast aperture for low-light capability. No photographer could go wrong with this fine example of optical excellence.



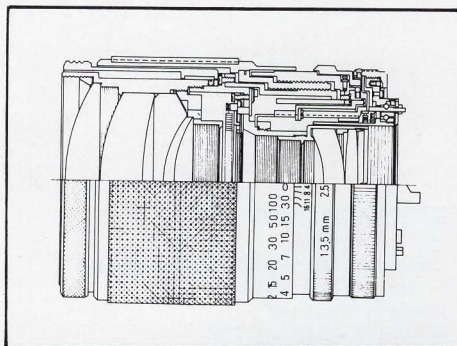
SPECIFICATIONS

Type: telephoto
Construction: 4 elements in 4 groups
Coating: Spectra
Angle of View: 18°
Minimum Aperture: f 22
Closest Focusing Distance: 1.5m (5 ft.)
Filter Size: 55mm
Lenshood: BT-55 (4-45715-00)
Length: 85mm (3 3/8 in.)
Weight: 385g (14 oz.)
Cap: C-55 (29-9661)
Case: E (hard)/SB (soft)
 (4-70481-01)/(4-70742-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

2-17152-21

FD 135mm f2.5 SC

Canon lens FD 135mm
f 2.5 SC in case



In longer telephoto lenses, high speed is important, to reduce camera motion when the lenses are used hand-held. For photography (especially in color) in poor light, the FD 135mm f 2.5 is an ideal photographic tool. Image quality, especially at full aperture, for this lens is typically Canon — clear, contrasty and free from aberrations.



SPECIFICATIONS

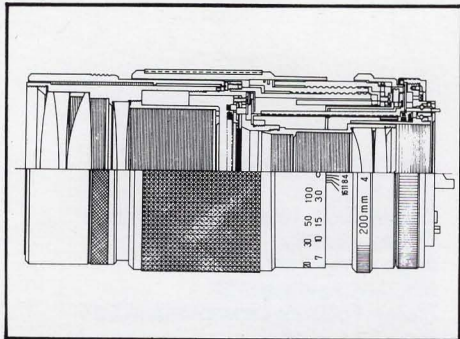
Type: telephoto
Construction: 6 elements in 5 groups
Coating: Spectra
Angle of View: 18°
Minimum Aperture: f 22
Closest Focusing Distance: 1.5m (5 ft.)
Filter Size: 58mm
Lenshood: built-in
Length: 91mm (3 9/16 in.)
Weight: 630g (1 lb. 6 oz.)
Cap: C-58 (29-9662)
Case: E (hard)/SB (soft)
 (4-70481-01)/(4-70742-00)
Function: auto aperture, full-aperture metering
 (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

TELEPHOTO LENSES

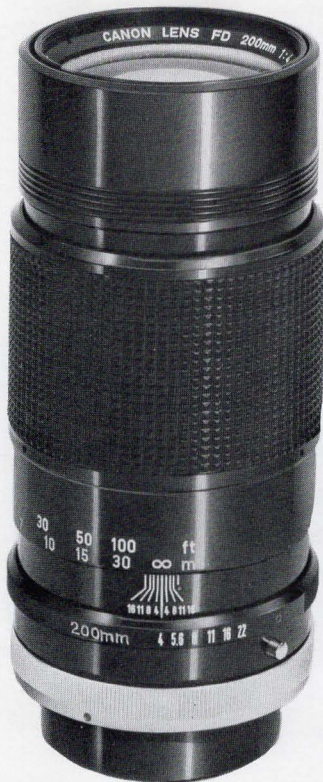
2-17163-21

Canon lens FD 200mm
f 4 SSC in case

FD 200mm f4 SSC



Sharp, compact and well-balanced, the FD 200mm f 4 is an ideal "longer" telephoto for bringing faraway subjects close, and for compressing perspective, for creative telephoto effects. Because of its exceptional balance and light weight, it can be hand held with great ease. Its close minimum focusing distance increases its versatility enormously.



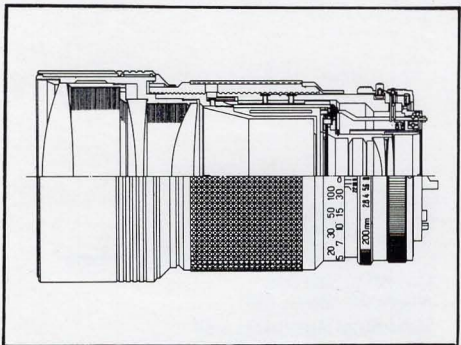
SPECIFICATIONS

Type: telephoto
Construction: 6 elements in 5 groups
Coating: Super Spectra
Angle of View: 12°
Minimum Aperture: f 22
Closest Focusing Distance: 2.5m (8 ft.)
Filter Size: 55mm
Lenshood: built-in
Length: 133mm (5¼ in.)
Weight: 675g (1 lb. 8 oz.)
Cap: C-55 (29-9661)
Case: J (hard)/SC (soft)
(4-70601-01)/(4-70743-00)
Function: auto aperture, full-aperture metering
(AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

2-17201-21

Canon lens FD 200mm
f 2.8 SSC in case

FD 200mm f2.8 SSC



Only a few years ago, a lens with this lens' features and performance would have been a dream. Canon has made it a reality. There is no finer lens in its focal length for news, nature and sports photography. In addition to its great speed, it is compact and relatively light weight as well — a remarkable achievement, considering its capabilities.



SPECIFICATIONS

Type: telephoto
Construction: 5 elements in 5 groups
Coating: Super Spectra
Angle of View: 12°
Minimum Aperture: f 22
Closest Focusing Distance: 1.8m (6 ft.)
Filter Size: 72mm
Lenshood: built-in
Length: 140.5mm (5½ in.)
Weight: 700g (1 lb. 8 oz.)
Cap: 78mm metal (23-7963)
Case: exclusive (4-70281-01)
Function: auto aperture, full-aperture metering
(AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

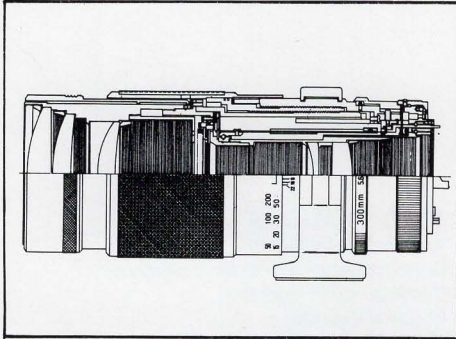
TELEPHOTO LENSES

Note: The FL300mm f 5.6 FLUORITE and The FL300mm f 2.8 S S C FLUORITE Lenses are in the PROFESSIONAL lens group at the end of the LENSES section.

2-18013-21

FD 300mm f5.6 SC

Canon lens FD 300mm
f 5.6 SC in case



Except for the unique FLUORITE 300mm Canon lens, this is the shortest 300mm lens made. Like the FD 200mm f 4, it has outstanding balance, and can be hand-held easily, and carried with a minimum of fatigue. It's ideal for sports, travel and photojournalism. Focusing extends past infinity, so that accurate focusing can be obtained in temperatures as low as -30°C .



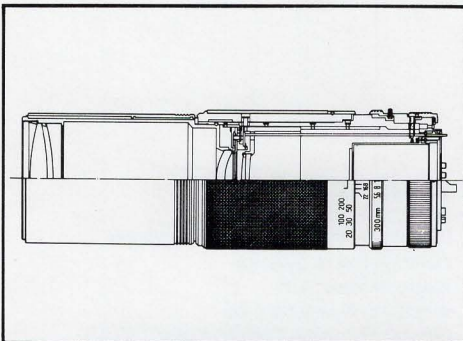
SPECIFICATIONS

Type: telephoto
Construction: 6 elements in 5 groups
Coating: Spectra
Angle of View: 8°
Minimum Aperture: f 22
Closest Focusing Distance: 4m (13 ft.)
Filter Size: 58mm
Lenshood: built-in
Length: 173mm ($6\frac{13}{16}$ in.)
Weight: 1,125g (2 lb. $7\frac{1}{2}$ oz.)
Cap: C-58 (29-9662)
Case: exclusive (4-70721-01)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

C21-8015-211

FD 300mm f5.6 SSC

Canon lens FD
300mm f 5.6 S S C
in case



A special compact design makes this fine 300mm lens one of the shortest available in this focal length. It has excellent handling, and is well balanced for action. Thanks to a new focusing system, with internal cam focusing, it focuses "faster" at short distances and "slower" at longer distances, and the lens length does not increase as the lens is focused close.



SPECIFICATIONS

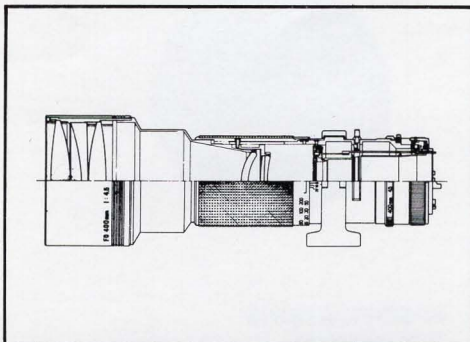
Type: telephoto
Construction: 5 elements in 4 groups
Coating: Super Spectra
Angle of View: 8°
Minimum Aperture: f22
Closest Focusing Distance: 3m (9 ft. 11 in.)
Filter Size: 55mm
Lenshood: built-in
Length: 169mm ($6\frac{3}{4}$ in.)
Weight: 670g (1 lb. $7\frac{1}{2}$ oz.)
Cap: C-55 (29-9061)
Case: L (C47-0801-01)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

SUPER-TELEPHOTO LENSES

2-18101-22

FD 400mm f4.5 SSC

Canon lens FD
400mm f 4.5 S S C
in case



This incredibly fast 400mm lens abounds in special—and unique—features. Because of a special cam focusing system, not only is the lens shorter, smaller in diameter and lighter in weight, but it focuses “faster” at close distances and “slower” at longer distances, for improved handling. And because the focusing is internal, the lens stays the same length even at close focusing distances.

Naturally, its optical quality is strictly professional-caliber all the way, and for the serious photographer who needs length, speed and sharpness, there is no finer lens.



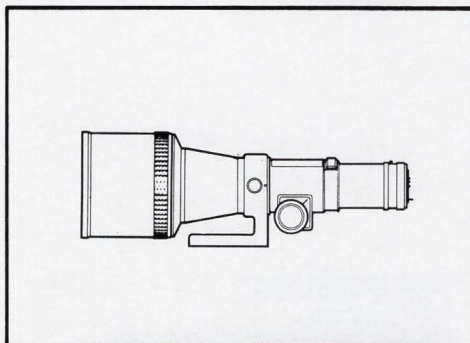
SPECIFICATIONS

Type: super-telephoto
Construction: 6 elements in 5 groups
Coating: Super Spectra
Angle of View: 6°
Minimum Aperture: f 22
Closest Focusing Distance: 4m (13 ft.)
Filter Size: 34mm w/holder
Lenshood: built-in
Length: 282mm (11½ in.)
Weight: 1,300g (2 lb. 14 oz.)
Cap: exclusive
Case: exclusive (4-70791-01)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

C21-8121-211

FD 600mm f4.5 SSC

Canon lens FD
600mm f 4.5 S S C
in case
SPECIAL ORDER ITEM



Few lenses can match the performance of the FD 600mm f 4.5 S S C in terms of optical quality, ease of handling and compactness. It was developed in response to photographers' requests for a truly versatile and fast super-telephoto with Canon quality. Thanks to special rack-and-pinion focusing, dimensions have been kept to a minimum and focusing is considerably easier than it would be on a lens of this length using a conventional system. If your customer is looking for an outstanding solution to difficult photographic problems, this lens is the answer.



SPECIFICATIONS

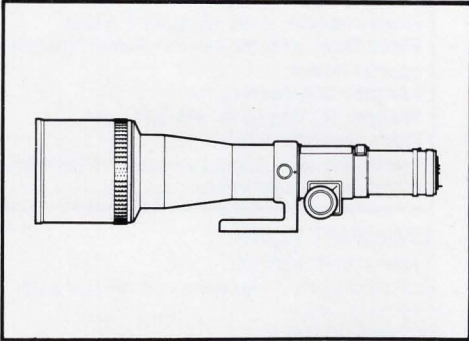
Type: super-telephoto
Construction: 6 elements in 5 groups
Coating: Super Spectra
Angle of View: 4.1°
Minimum Aperture: f 32
Closest Focusing Distance: 10m (33 ft.)
Filter Size: 48mm (insertion type with holder)
Lenshood: built-in
Length: 448mm (1ft. 5½ in.)
Weight: 5,000g (11 lb.)
Cap: 125mm metal
Case: exclusive (C47-6341-001)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

SUPER-TELEPHOTO LENSES

C21-8131-211

FD 800mm f5.6 SSC

Canon lens FD
800mm f 5.6 S S C
in case
SPECIAL ORDER ITEM



An incredibly fast maximum aperture of f 5.6 in a lens of this focal length makes this lens the first choice for photographers needing every last bit of speed in the longest lens possible. The dramatic photographic possibilities this lens affords are limited only by the user's imagination. Special rack-and-pinion focusing have kept external dimensions surprisingly compact and handling is further improved through a considerable reduction in weight. This is one of the finest super telephoto lenses ever designed.



SPECIFICATIONS

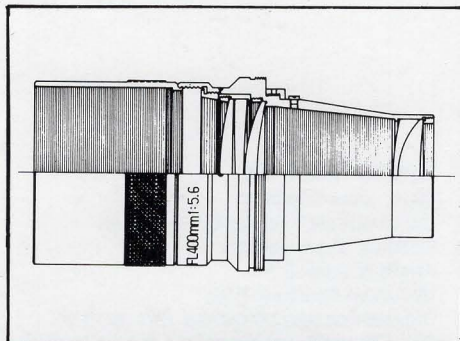
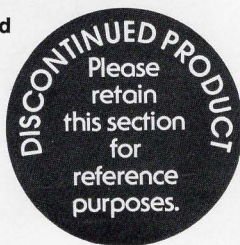
Type: super-telephoto
Construction: 7 elements in 5 groups
Coating: Super Spectra
Angle of View: 3.1°
Minimum Aperture: f 32
Closest Focusing Distance: 18m (60 ft.)
Filter Size: 48mm (insertion type with holder)
Lenshood: built-in
Length: 508mm (20 in.)
Weight: 5,360g (11 lb. 13 oz.)
Cap: 125mm metal
Case: exclusive (C47-6351-001)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

SUPER-TELEPHOTO LENSES

Note: The FL 500mm f 5.6 FLUORITE lens is in the PROFESSIONAL lens group at the end of the LENSES section.

2-18041-20

Canon lens head
FL 400mm f 5.6 w/hood



This super-telephoto lens head is short, compact, fast and offers professional-quality images with no compromise. Special care has been taken with this lens to correct typical telephoto aberrations. Used in conjunction with the Focusing Unit, it offers fully automatic diaphragm operation with stopped-down metering, for excellent convenience of use.

FL 400mm f5.6



2-18081-00 FOCUSING UNIT

The Focusing Unit is designed to be used in conjunction with the following lenses:

FL 400mm f 5.6 FL 800mm f 8
FL 600mm f 5.6 FL 1200mm f 11



SPECIFICATIONS

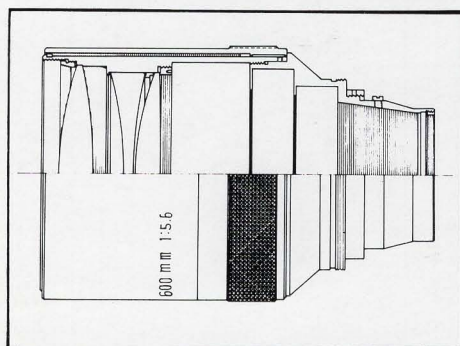
Construction: 2 elements in 1 group
Filter Size: accepts 48mm drop-in filters in special holder
Length: 305.5mm (1 ft.)
Weight: 3,100g (6 lb. 3¾ oz.)
Cap: exclusive (23-2674)
Function: auto aperture (except 1,200mm), stopped-down metering

SPECIFICATIONS

Type: super-telephoto
Construction: 7 elements in 5 groups (with Focusing Unit)
Coating: Spectra
Angle of View: 6.2°
Minimum Aperture: f 32
Closest Focusing Distance: 4.5m (15 ft.)
Filter Size: 48mm (drop-in type, in Focusing Unit)
Lenshood: exclusive
Length: 338mm (1 ft. 1¹⁵/₁₆ in.) (with Focusing Unit)
Weight: 3,890g (8 lb. 9 oz.) (with Focusing Unit)
Cap: 90mm metal (29-9682)
Case: exclusive (4-76251-00)
Function: auto aperture, stopped-down metering; must be used with Focusing Unit

2-18051-20

Canon lens head
FL 600mm f 5.6



The FL 600mm f 5.6 is recommended for telephotography where relatively high speed and long focal length are an important consideration. For these reasons, it's excellent for nature, surveillance and sports photography. It shares the optical excellence of the entire Canon lens line, and is built for years of hard use.

FL 600mm f5.6



SPECIFICATIONS

Type: super-telephoto
Construction: 6 elements in 5 groups (with Focusing Unit)
Coating: Spectra
Angle of View: 4.1°
Minimum Aperture: f 32
Closest Focusing Distance: 10m (33 ft.)
Filter Size: 48mm (drop-in type, in Focusing Unit)
Lenshood: built-in
Length: 448mm (1 ft. 5¾ in.) (with Focusing Unit)
Weight: 5,000g (11 lb.) (with Focusing Unit)
Cap: 125mm metal (29-9685)
Case: exclusive (4-76252-00)
Function: auto aperture, stopped-down metering; must be used with Focusing Unit

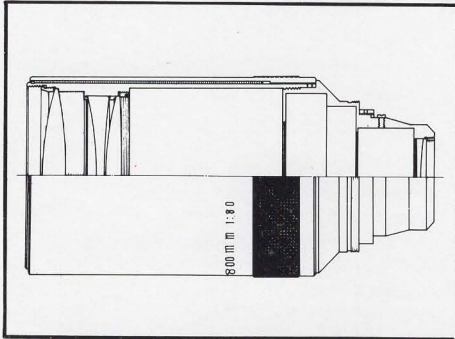
SUPER-TELEPHOTO LENSES

2-18071-20

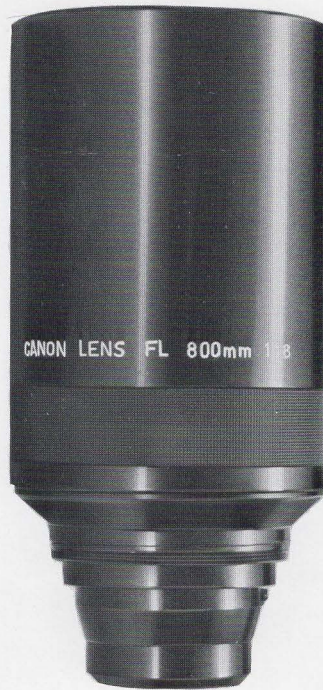
Canon lens head
FL 800mm f 8

FL 800mm f8

DISCONTINUED PRODUCT
Please retain this section for reference purposes.



There is no lens of this focal length (of conventional design) that is shorter or more compact than this one. It has become widely popular exactly for this reason, among Canon users who need a truly powerful telephoto optic. It is particularly useful for sports photography, or other action photography, because of its easy handling compared to other lenses of this focal length.



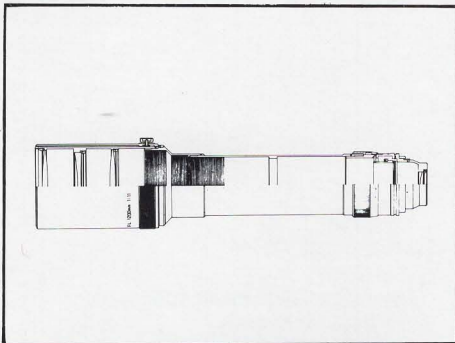
SPECIFICATIONS

Type: super-telephoto
Construction: 7 elements in 5 groups (with Focusing Unit)
Coating: Spectra
Angle of View: 3.1°
Minimum Aperture: f 32
Closest Focusing Distance: 18m (60 ft.)
Filter Size: 48mm (drop-in type, in Focusing Unit)
Lenshood: built-in
Length: 508mm (1 ft. 8 in.) (with Focusing Unit)
Weight: 5,360g (11 lb. 13 oz.) (with Focusing Unit)
Cap: 125mm metal (29-9685)
Case: exclusive (4-76252-00)
Function: auto aperture, stopped-down metering; must be used with Focusing Unit

2-18061-20

Canon lens head
FL 1200mm f11 SSC

FL 1,200mm f11 SSC



This is Canon's longest Super-Telephoto (a 5,200mm lens is available on special order only). Despite its extreme magnification, it is surprisingly moderate in size and weight, because maximum aperture is conservative. It is in a lens of this critical focal length that Canon's optical expertise is proven — correction for typical telephoto aberrations is excellent, sharpness and contrast are superb. When every bit of telephoto power is required, this is the Canon photographer's ultimate choice.



SPECIFICATIONS

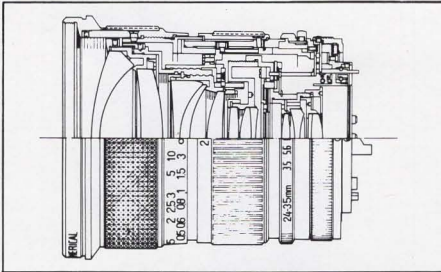
Type: super-telephoto
Construction: 7 elements in 5 groups (with Focusing Unit)
Coating: Super Spectra
Angle of View: 2.1°
Minimum Aperture: f 64
Closest Focusing Distance: 40m (130 ft.)
Filter Size: 48mm (drop-in type, in Focusing Unit)
Lenshood: built-in
Length: 853mm (2 ft. 9⁹/₁₆ in.) (with Focusing Unit)
Weight: 6,200g (13 lb. 11 oz.) (with Focusing Unit)
Cap: 125mm metal (29-9685)
Case: exclusive (4-76254-00)
Function: manual aperture; must be used with Focusing Unit

ZOOM LENSES

C21-9111-211

FD 24-35mm f3.5 SSC ASPHERICAL

Canon zoom lens
FD 24-35mm f 3.5 SSC
in case



More and more photographers are finding that their ideally-useful focal lengths lie in the range of 24mm to 35mm, or ultra-wide to wide angle. With this in mind, Canon has developed a lens in this range that zooms from 24mm to 35mm with incredible optical and mechanical performance.

This lens' optical performance comes from its ASPHERICAL construction, which makes it almost perfect in terms of sharpness, contrast and correction for color and linear aberrations. An additional benefit of ASPHERICAL construction is a significant reduction in size and weight, compared to a conventional lens.

For the photographer seeking an ideal ultra-wide to wide-angle tool, this lens is in a class by itself.



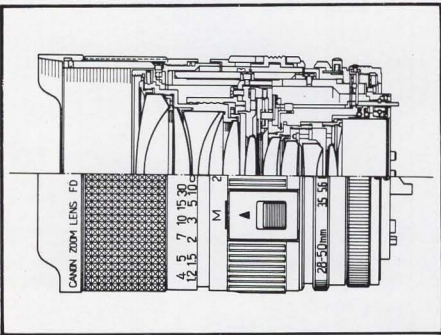
SPECIFICATIONS

Type: Zoom
Construction: 12 elements in 9 groups
Coating: Super Spectra
Angles of View: 84°-63°
Minimum Aperture: f 22
Closest Focusing Distance: 0.3m (1ft.)
Filter Size: 72mm
Lenshood: W-75 (C44-7502)
Length: 86mm (3 3/8 in.)
Weight: 515g (1 lb. 2 oz.)
Cap: S-72 (CA2-0487)
Case: Exclusive (C47-0821)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

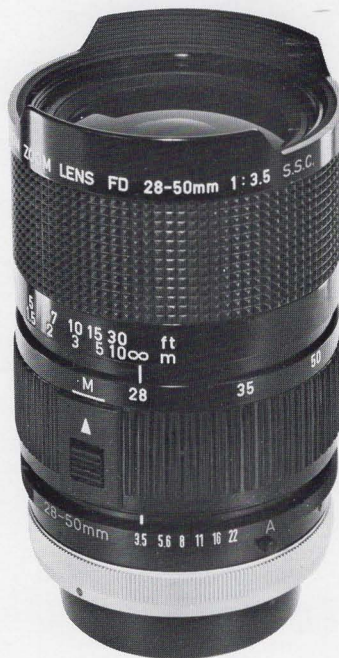
C21-9101-221

FD 28-50mm f3.5 SSC

Canon zoom lens
FD 28-50mm f 3.5 S S C
w/hood in case



Many professional photographers and amateurs alike find that the majority of their photographs tend to be taken with lenses in the wide-angle to normal focal length range. For them, this zoom lens is a very welcome photographic tool. Not only is it an exceptional optical performer at every aperture, focal length and distance, but its built-in macro capability gives almost unprecedented versatility. For the photographer wanting maximum performance from a single lens, there is no finer choice in its focal length range than this zoom.



SPECIFICATIONS

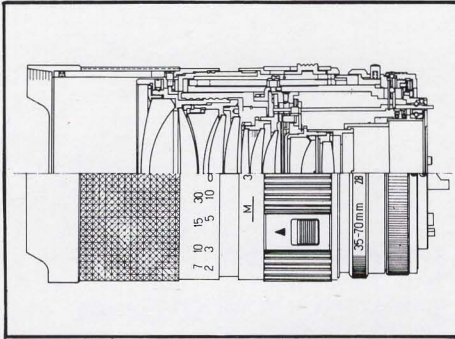
Type: zoom
Construction: 10 elements in 9 groups
Coating: Super Spectra
Angle of View: 75°-46°
Minimum Aperture: f 22
Closest Focusing Distance: macro capability to .3m (1ft.)
Filter Size: 58mm
Lenshood: W-69-B (rubber)
Length: 105mm (4 1/4 in.)
Weight: 470g (1 lb.)
Cap: 69mm (29-9871)
Case: F (hard) (4-70491-01)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

ZOOM LENSES

2-19091-22

FD 35-70mm f2.8-3.5 SSC

Canon zoom lens
FD 35-70mm f 2.8-3.5 SSC w/hood
in case



If one lens could serve all a photographer's requirements, this would be it. It covers focal lengths from moderate wide angle to moderate telephoto with a sharpness and contrast that is nothing short of fantastic. Illumination is very even across the field at all focal lengths. And, it's a true zoom, not a variable-focus lens which must be re-focused each time the focal length is altered. A built-in "macro" switch puts it into a close-focusing mode that permits focusing as near as .3m (1 ft.) from the film plane. It is indeed a universal lens.



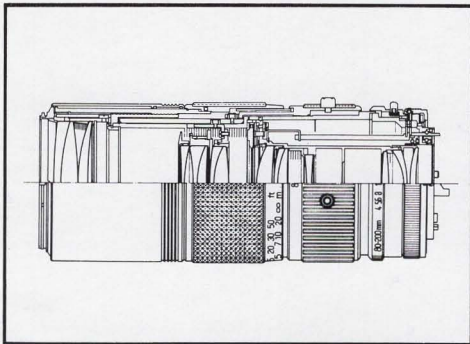
SPECIFICATIONS

Type: zoom
Construction: 10 elements in 10 groups
Coating: Super Spectra
Angle of View: 64°-31°
Minimum Aperture: f 22
Closest Focusing Distance: macro capability to .3m (1 ft.)
Filter Size: 58mm
Lenshood: W-69 (rubber) (4-46901-00)
Length: 120mm (4¾ in.)
Weight: 575g (1 lb. 4 oz.)
Cap: 69mm (29-9871)
Case: F (hard) (4-70491-01)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

C21-9111-211

FD 80-200mm f4 SSC

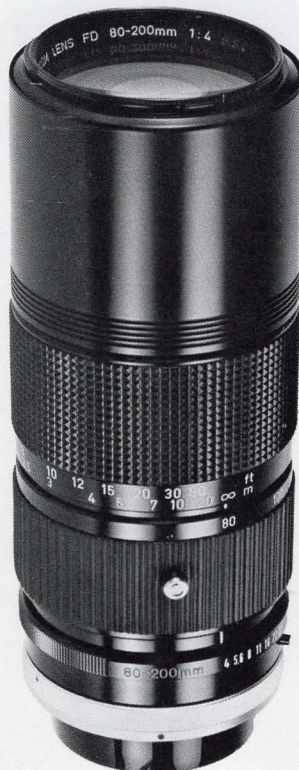
Canon zoom lens
FD 80-200mm f/4 S.S.C. in case



This lens may well be the perfect all-around telephoto zoom. Not only is it amazingly fast at f 4, but it is nearly perfectly corrected for all aberrations, as well as being critically sharp and contrasty.

Part of its high optical performance is due to the incorporation of new high refraction/low dispersion glasses into its design. This makes for unusually good correction of color rendition for a zoom.

In addition to being optically superior, this zoom is even more attractive to a wide range of photographers because of its very compact size and light weight. It's a perfect lens for travelers, or overlaid professionals on the go.



SPECIFICATIONS

Type: zoom
Construction: 15 elements in 11 groups
Coating: Super Spectra
Angle of View: 30°-12°
Minimum Aperture: f/22
Closest Focusing Distance: 1m (3.5 ft.)
Filter Size: 55mm
Lenshood: built-in
Length: 161mm (6½ in.)
Weight: 750g (1 lb. 10⅓ oz.)
Cap: C-55 (29-9661)
Case: G (4-70501-01)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

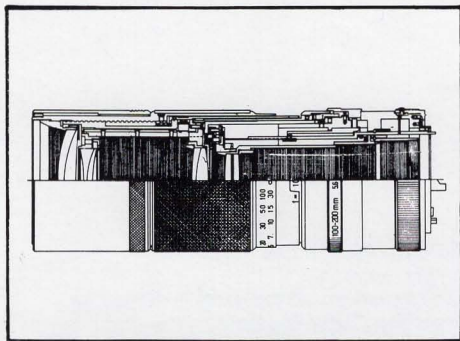
ZOOM LENSES

2-19082-21

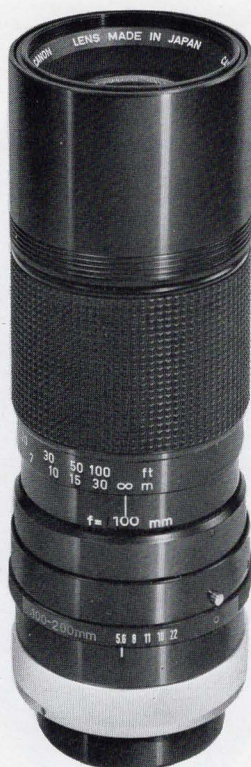
FD 100-200mm f5.6 SC

Canon zoom lens

FD100-200mm f 5.6 SC in case



Light weight and compact, this zoom is the equal of the fixed focal length lenses it can replace. Both zooming and focus are performed via one control, for extra fast and convenient photography. Because of its speed in operation, it is a perfect lens for sports, and because of its zoom range and compactness, it's ideal for travel as well. Distortion and aberrations are minimal, sharpness and contrast are very high.



SPECIFICATIONS

Type: zoom

Construction: 8 elements in 5 groups

Coating: Spectra

Angle of View: 24°-12°

Minimum Aperture: f.22

Closest Focusing Distance: 2.5m (8 ft.)

Filter Size: 55mm

Lenshood: built-in

Length: 173mm (6¹³/₁₆ in.)

Weight: 765g (1 lb. 11.oz.)

Cap: C-55 (29-9661)

Case: K (hard) (4-70611-01)

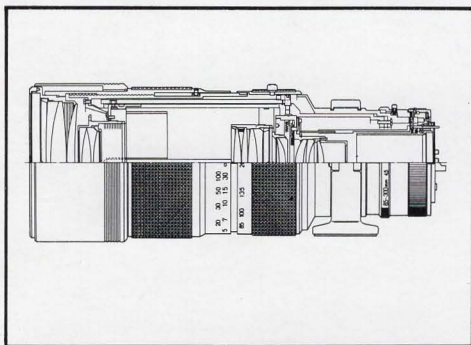
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

2-19072-21

FD 85-300mm f4.5 SSC

Canon zoom lens

FD 85-300mm f 4.5 SSC in case



If any lens could be said to represent the state-of-the-art in zoom technology, this would be it. Considering its 3.5:1 zoom ratio, its optical performance in terms of sharpness, evenness of illumination, contrast and freedom from distortion and aberration is astounding. Also, considering its performance, its size has been kept admirably moderate. It is particularly well-balanced, so it can be hand-held, although it is ideally used mounted on a tripod. When tripod mounted, it is highly useful for sporting events or nature photography where the photographer cannot change his position relative to the subject.



SPECIFICATIONS

Type: zoom

Construction: 15 elements in 11 groups

Coating: Super Spectra

Angle of View: 29°-8°

Minimum Aperture: f.22

Closest Focusing Distance: 2.5m (8 ft.)

Filter Size: series IX

Lenshood: built-in

Length: 243.5mm (9⁹/₁₆ in.)

Weight: 1,695g (3 lb. 7¹/₂ oz.)

Cap: 94mm (23-7793)

Case: exclusive

Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

ZOOM LENSES

2-19011-24

FL 55-135mm f3.5

Canon zoom lens
FL 55-135mm f 3.5 in case



This lens has long been highly regarded by professionals and amateurs alike for its great flexibility, sharpness and overall optical and mechanical performance.

Although only slightly longer than a conventional 135mm lens, it offers infinitely-variable choice of focal lengths between 55mm and 135mm, with a constant aperture of $f/3.5$ as maximum and no need to refocus while zooming. It is very handy as a general-purpose lens, covering subject matter from general scenics to portraits with outstanding results.

SPECIFICATIONS

Type: zoom
Construction: 13 elements in 10 groups
Coating: Spectra
Angle of View: 43° - 18°
Minimum Aperture: $f/22$
Closest Focusing Distance: 2m (7 ft.)
Filter Size: 58mm
Lenshood: S-60 (4-46006-01)
Length: 141mm (5½ in.)
Weight: 790g (1 lb. 11 oz.)
Cap: 60mm metal (49-1002)
Case: exclusive (4-70412-01)
Function: auto aperture, stopped-down metering

PROFESSIONAL LENSES

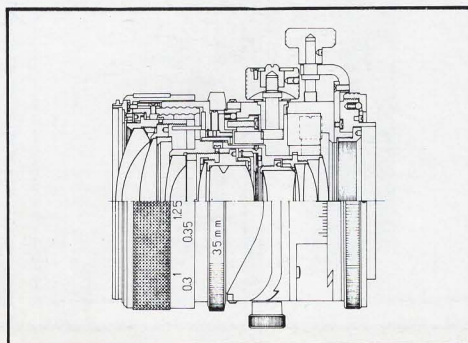
2-15183-23

TS 35mm f2.8 SSC

Canon lens TS 35mm
2.8 SSC w/hood & tripod adapter in case



The TS 35mm $f/2.8$ is a lens of remarkable capabilities. It shifts off the optical axis for correction of perspective distortion, special effects and shooting around stationary obstacles. In addition, it tilts on or off axis to increase depth-of-field at any aperture, utilizing the Scheimpflug principle — a technique previously available only to view camera users. This feature will be appreciated by product or architectural photographers who must maintain absolute image sharpness under difficult conditions. To insure a high degree of image sharpness and even illumination, the image circle has been increased.



SPECIFICATIONS

Type: tilt and shift
Construction: 9 elements in 8 groups
Coating: Super Spectra
Angle of View: 64° / 79°
Minimum Aperture: $f/22$
Closest Focusing Distance: .3m (1 ft.)
Filter Size: 58mm
Lenshood: BW-58B (4-45801-01)
Length: 74.5mm (2¹⁵/₁₆ in.)
Weight: 545g (1 lb. 3 oz.)
Cap: C-58 (29-9662)
Case: exclusive (4-70761-01)
Function: manual aperture

PROFESSIONAL LENSES

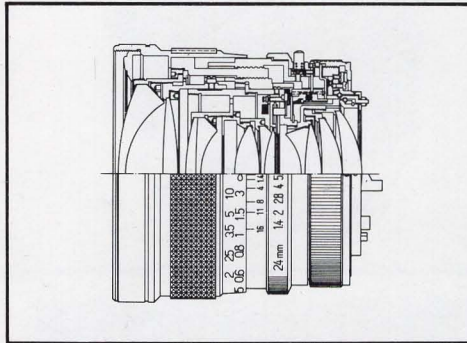
2-15231-21

FD 24mm f1.4 SSC ASPHERICAL

Canon lens FD 24mm
f 1.4 SSC ASPHERICAL
in case



Canon's recent breakthrough in the production of aspheric lens surfaces has made this lens possible. Previous to this lens, the design of such a high-speed super-wide-angle lens would not have been possible, due to optical aberrations which could not be overcome with conventional elements. Because of the inclusion of an aspheric lens surface into this lens, performance at full aperture and all succeeding apertures is nothing short of perfect. For the color photographer who shoots by natural light, this unique lens is essential. The Floating System preserves image quality at near as well as far distances.



SPECIFICATIONS

Type: super-wide-angle
Construction: 10 elements in 8 groups
Coating: Super Spectra
Angle of View: 84°
Minimum Aperture: f 16
Closest Focusing Distance: .3m (1 ft.)
Filter Size: 72mm
Lenshood: exclusive
Length: 68mm (2¹¹/₁₆ in.)
Weight: 500g (1 lb. 2 oz.)
Cap: 75mm metal (39-9640)
Case: I (hard)/SA (soft)
(4-90371-01)/(4-70741-00)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

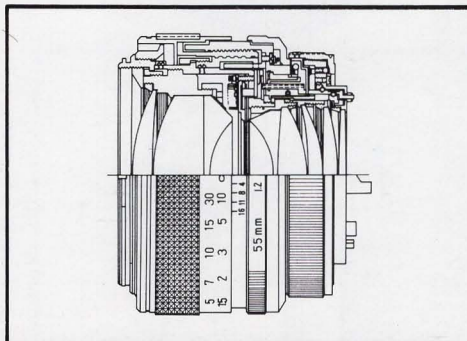
2-16132-22

FD 55mm f1.2 SSC ASPHERICAL

Canon lens FD 55mm
f 1.2 SSC ASPHERICAL
w/hood in case



This standard lens offers perfect image quality at all apertures and focusing distances, due to the inclusion of one aspheric-surfaced element and the adoption of the Canon Floating System. It is a lens that can be used at maximum aperture without reservations. When photographing at night, or in conditions of normally high flare, the aspheric construction of this lens results in photographs which are almost 100% free from flare and ghost images. It offers no-compromise excellence in any lighting.



SPECIFICATIONS

Type: standard
Construction: 8 elements in 6 groups
Coating: Super Spectra
Angle of View: 43°
Minimum Aperture: f 16
Closest Focusing Distance: .6m (2 ft.)
Filter Size: 58mm
Lenshood: BS-58 (4-46015-00)
Length: 55mm (2³/₁₆ in.)
Weight: 575g (1 lb. 4 oz.)
Cap: C-58 (29-9662)
Case: I (hard)/SA (soft)
(4-90371-00)/(4-70741-00)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

PROFESSIONAL LENSES

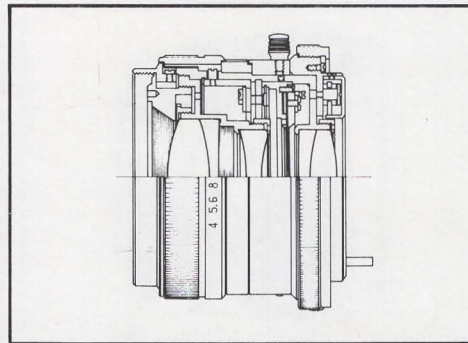
2-61121-21

FLM 100mm f4

Canon bellows lens
FLM 100mm f 4 in case



This lens is for use with the Bellows FL or Bellows M. It incorporates no integral focusing mount, and requires these bellows units for focusing. When used with the Bellows FL diaphragm operation is automatic with stopped-down metering. It is an excellent lens for macro work, since it allows considerable working distance between camera and subject (twice the distance as a 50mm lens for the same reproduction ratio) and gives exceptionally good perspective rendition due to the increased working distances involved and its focal length.



SPECIFICATIONS

Type: bellows macro
Construction: 5 elements in 3 groups
Coating: Spectra
Angle of View: 24°
Minimum Aperture: f 22
Closest Focusing Distance: focusing by bellows
Filter Size: 48mm
Lenshood: N/A
Length: 43mm (1¹¹/₁₆ in.)
Weight: 220g (7¹/₂ oz.)
Cap: 50mm metal (49-1001)
Case: C (hard)/SA (soft)
(4-70461-00)/(4-70741-00)
Function: auto aperture, stopped-down metering when used with Bellows FL unit

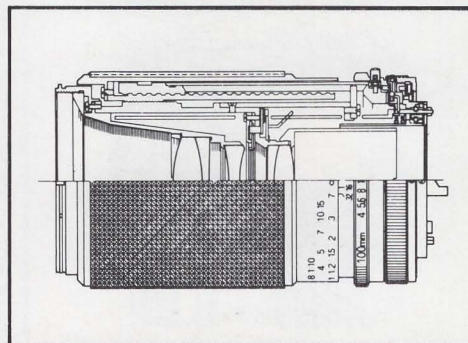
2-61141

FD 100mm f4 SC MACRO

Canon macro lens FD 100mm
f 4 S C w/extension tube
FD 50 w/case in set case



Optically identical to the famous FLM 100mm f 4 bellows lens, this lens is provided in a versatile focusing mount which focuses directly down to 1:2, and down to 1:1 using the supplied Extension Tube FD50. Since both lens and extension tube preserve full FD lens functions, operation is convenient and easy. Many photographers prefer macro lenses of this focal length, since they permit twice the working distance between camera and subject as the standard 50mm macro focal length. In addition to its macro capabilities, the FD 100mm f 4 S C is an outstanding general-purpose telephoto with superlative sharpness and contrast. For photographers interested in the best macro work or just fine general photography, the FD 100mm f 4 S C macro will prove an exceptionally useful lens.



SPECIFICATIONS

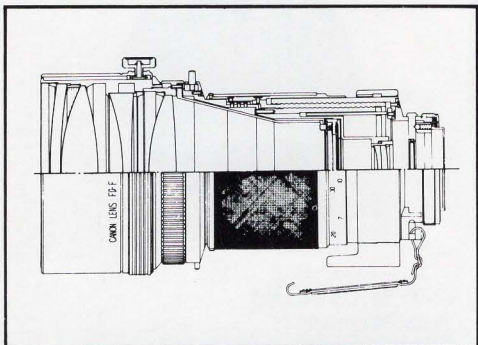
Type: telephoto/macro
Construction: 5 elements in 3 groups
Coating: Spectra
Angle of View: 24°
Minimum Aperture: f 32
Closest Focusing Distance: .4m (1 ft. 4 in.)
Filter Size: 55mm
Lenshood: none required
Length: 112mm (4-7/16 in.)
Weight: 530g (1 lb. 3 oz.)
Cap: C-55 (29-9661)
Case: D (hard)/SA (soft)
4-7047
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

PROFESSIONAL LENSES

2-18091-23

FD 300mm f2.8 SSC FLUORITE

Canon Lens FD 300mm
f2.8 S S C FLUORITE
w/extender FD 2X in case



Canon's FD 300mm f 2.8 S C C FLUORITE continues to stun the photographic world with its phenomenal optical quality. Thanks to its element of calcium fluoride, it is almost totally free from chromatic aberration, and the resultant sharpness, color quality and contrast are already legendary. With its included Extender FD 2X, this lens converts to a compact 600mm f 5.6 lens of Fluorite quality. Full FD functioning is maintained with and without the Extender FD 2X. As a serious tool for serious photographers, this lens is impossible to fault.



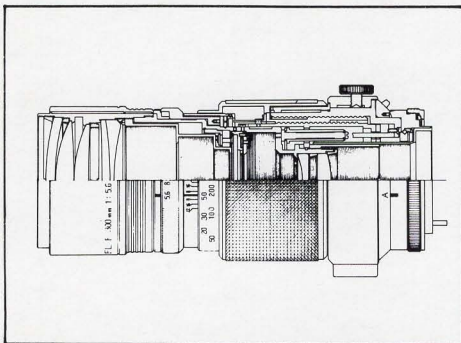
SPECIFICATIONS

Type: telephoto
Construction: 6 elements in 5 groups
Coating: Super Spectra
Angle of View: 8°
Minimum Aperture: f 32
Closest Focusing Distance: 3.5m (12 ft.)
Filter Size: exclusive
Lenshood: built-in
Length: 321mm (9-1/16 in.)
Weight: 2,340g (5 lb. 2 oz.)
Cap: exclusive
Case: exclusive (4-76331-01)
Function: auto aperture, full-aperture metering (AE operation when used with A-1, AE-1, EF or Servo EE Finder on F-1)

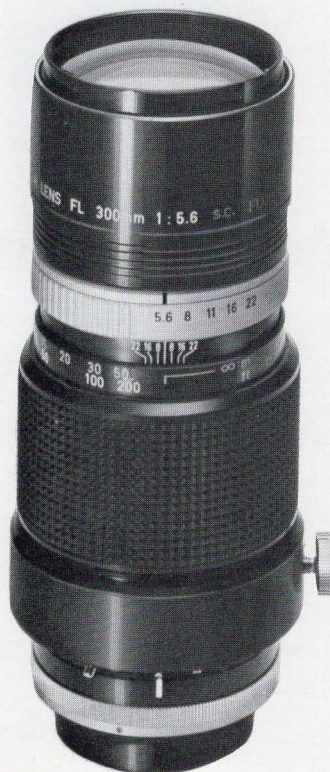
2-18021-21

FL 300mm f5.6 FLUORITE

Canon lens FL300mm
f/5.6 FLUORITE in case



Canon's perfection of the production of artificial calcium fluoride lens elements has resulted in a series of telephoto lenses that are universally considered the first in their focal lengths. These elements effectively eliminate chromatic aberration, the chief problem in any telephoto, and thereby reduce color fringing, increase contrast and sharpness and help reduce the overall size of the lenses. The FL 300mm f/5.6 FLUORITE is an outstanding lens — small, light weight and equal in sharpness to a standard lens. It is a perfect addition to Canon SLR system of any serious photographer requiring a fine all-purpose telephoto.



SPECIFICATIONS

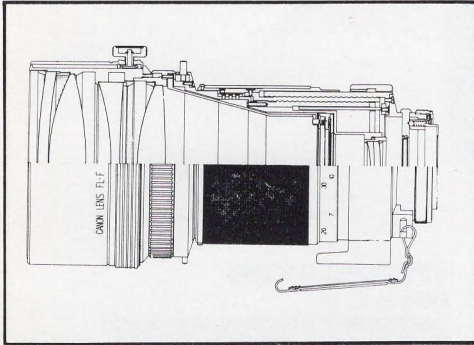
Type: telephoto
Construction: 7 elements in 6 groups
Coating: Spectra
Angle of View: 8°
Minimum Aperture: f/22
Closest Focusing Distance: 4m (13 ft.)
Filter Size: 58mm
Lenshood: built-in
Length: 168mm (6¹¹/₁₆ in.)
Weight: 850g (1 lb. 14 oz.)
Cap: 60mm metal (49-1002)
Case: exclusive (4-70671-01)
Function: auto aperture, stopped-down metering

PROFESSIONAL LENSES

2-18000-N1

FL 300mm f2.8 SSC FLUORITE

Canon lens FL300mm
f 2.8 SSC FLUORITE
in case w/extender 2X



This special-order lens is a sensation among professional photographers. Not only is it super sharp, well-corrected and contrasty, but it is amazingly small for its specifications. And, with the use of the included 2x focal length converter, offers the option of a 600mm Fluorite f 5.6 lens that is little longer than the basic 300mm lens. For economy, it employs drop-in filters. Focusing is as close as 3.5m (12 ft.). It's a natural for sports, surveillance and nature photography.



DISCONTINUED PRODUCT
Please retain this section for reference purposes.

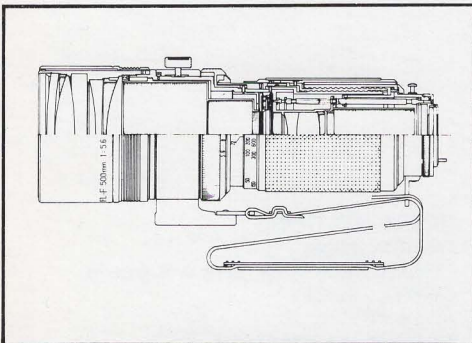
SPECIFICATIONS

Type: telephoto
Construction: 6 elements in 5 groups
Coating: Super Spectra
Angle of View: 8°
Minimum Aperture: f 32
Closest Focusing Distance: 3.5m (12 ft.)
Filter Size: exclusive
Lenshood: built-in
Length: 231mm (9¹/₁₆ in.)
Weight: 2,340g (5 lb. 2 oz.)
Cap: exclusive
Case: exclusive
Function: manual aperture; when used with 2x Extender, lens becomes a 600mm f 5.6 optic

2-18031-21

FL 500mm f5.6 FLUORITE

Canon lens FL500mm
f 5.6 FLUORITE in case
w/2 filters 95mm (Y3, SKY)



There is no finer lens in this focal length being made today. It offers high speed and an unusual degree of compactness and portability, combined with moderate weight. It can be hand-held at high shutter speeds without difficulty. As with all Canon Fluorite lenses, it offers unprecedented optical quality, especially considering its super-telephoto focal length.



SPECIFICATIONS

Type: telephoto
Construction: 6 elements in 5 groups
Coating: Spectra
Angle of View: 5°
Minimum Aperture: f 22
Closest Focusing Distance: 10m (33 ft.)
Filter Size: 95mm
Lenshood: built-in
Length: 300mm (11³/₁₆ in.)
Weight: 2,700g (5 lb. 15 oz.)
Cap: 106mm metal
Case: exclusive (4-70681-01)
Function: auto aperture, stopped-down metering

PROFESSIONAL LENSES

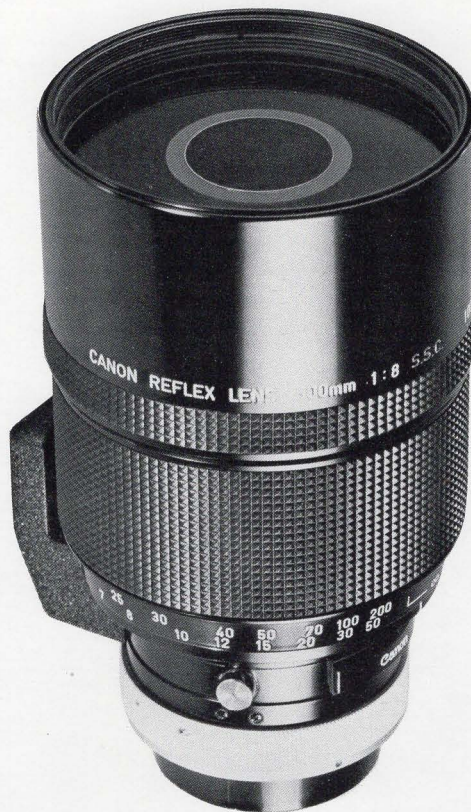
C21-8151-211

REFLEX 500mm f8 SSC

Canon Reflex lens
500mm f 8 SSC in case

The virtues of mirror telephoto lens design are well known: compactness, light weight, close focusing and excellent handling. The Canon 500mm f 8 Reflex lens incorporates all of these benefits, plus the unique optical benefits of Super Spectra Coating.

Because it has no diaphragm, aperture may be controlled through the use of Canon ND filters in 34mm size, which fit conveniently into a filter slot at the rear of the lens. A built-in rotating tripod collar and provision for focusing past infinity (in cold weather) round out the superb features of this fine lens. It's ideal for photographers who need a lot of long lens power and like to travel light.



SPECIFICATIONS

Type: Mirror Super-telephoto
Construction: 6 elements in 3 groups
Coating: Super Spectra
Angle of View: 5°
Minimum Aperture: f 8
Closest Focusing Distance: 4m (15 ft.)
Filter Size: 34mm
Lenshood: built-in
Length: 146mm (5 7/8 in.)
Weight: 740g (1 lb. 10 oz.)
Cap: S-83 (CA2-0698)
Case: Exclusive (C47-0841)
Function: stopped-down metering; stopped-down AE with A-1; no diaphragm

C54-3662-211

EXTENDER FD2X TYPE A

Canon Extender FD2X Type A
(for 100mm or longer lenses)



This Extender effectively doubles an FD lens' normal focal length. It maintains full FD lens functions such as AE operation and auto diaphragm action.