

CN-E45-135mm T2.4 L F / FP

MAKE THE WHOLE WORLD CINEMATIC

The CN-E45-135mm T2.4 L F / FP is a premium high-end full frame lens designed for professional cinema productions. With a maximum aperture of T2.4 across the entire zoom range, this lens is designed to deliver outstanding optical performance, and breathtaking image quality for 4K HDR productions.



- Designed for Full Frame Sensors
- Constant T2.4 and Broad Focal Length Coverage
- Lens Metadata support for Cooke /i Technology™ and Zeiss eXtended Data™ and EF Mount
- Modular Lens Mount System (EF/PL Mounts)
- 11 Iris blades for beautiful bokeh
- Supports 4K & 8K Resolutions



PRODUCT RANGE



CN-E45-135mm T2.4 L F / FP

CN-E45-135mm T2.4 L F / FP
CN-E20-50mm T2.4 L F / FP



CN-E20-50mm T2.4 L F / FP

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TECHNICAL SPECIFICATIONS

CN-E45-135mm T2.4 L F / FP

MOUNT		EF Mount	PL Mount
ZOOM RATIO		3x	
FOCAL LENGTH		45 - 135 mm	
MAXIMUM DIAMETER RATIO (T-NUMBER)		T 2.4	
NUMBER OF IRIS BLADES		11	
ANGLE OF VIEW	Aspect ratio 1.9:1 Dimensions 40.96 x 21.6 mm	48.9°x 27.0°at 45 mm	17.3°x 9.1°at 135 mm
	Aspect ratio 1.5:1 Dimensions 36 x 24 mm	43.6°x 29.9°at 45 mm	15.2°x 10.2°at 135 mm
	Aspect ratio 1.78:1 Dimensions 35.7 x 20.1 mm	43.3°x 25.2°at 45 mm	15.1°x 8.5° at 135 mm
	Aspect ratio 1.9:1 Dimensions 38.1 x 20.1 mm	45.9°x 25.2°at 45 mm	16.1°x 8.5°at 135 mm
MINIMUM SHOOTING DISTANCE		1.0 m / 3'4"	
SHOOTING RANGE AT CLOSEST APPROACH	1.9:1 40.96 x 21.6 mm	77.1 x 40.6 cm at 45 mm	24.7 x 13.0 cm at 135 mm
	1.5:1 36 x 24 mm	67.7 x 45.2 cm at 45 mm	21.7 x 14.5 cm at 135 mm
	1.78:1 35.7 x 20.1 mm	67.2 x 37.8 cm at 45 mm	21.6 x 12.1 cm at 135 mm
	1.9:1 38.1 x 20.1 mm	71.7 x 37.8 cm at 45 mm	23.0 x 12.1 cm at 135 mm
FRONT DIAMETER		Φ 114 mm	
COOKE /i TECHNOLOGY COMMUNICATION INCLUDING ZEISS EXTENDED DATA		Supported	Supported
OUTER DIMENSIONS (W X H X D)		Approx. 131.2 x 133.6 x 246.4 mm	Approx. 131.2 x 133.6 x 238.4 mm
WEIGHT		Approx. 3.4 kg	

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CN-E20-50mm T2.4 L F / FP

MAKE THE WHOLE WORLD CINEMATIC

The CN-E20-50mm T2.4 L F / FP is a premium high-end full frame lens designed for professional cinema productions. With a maximum aperture of T2.4 across the entire zoom range, this lens is designed to deliver outstanding optical performance, and breathtaking image quality for 4K HDR productions.



- Designed for Full Frame Sensors
- Constant T2.4 and Broad Focal Length Coverage
- Lens Metadata support for Cooke /i Technology™ and Zeiss eXtended Data™ and EF Mount
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- 11 Iris blades for beautiful bokeh
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PRODUCT RANGE



CN-E20-50mm T2.4 L F / FP

CN-E20-50mm T2.4 L F / FP
CN-E45-135mm T2.4 L F / FP



CN-E45-135mm T2.4 L F / FP

The Canon logo, consisting of the word "Canon" in a red, serif font.

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TECHNICAL SPECIFICATIONS

CN-E20-50mm T2.4 L F / FP

MOUNT		EF Mount	PL Mount
ZOOM RATIO		2.5x	
FOCAL LENGTH		20 - 50 mm	
MAXIMUM DIAMETER RATIO (T-NUMBER)		T 2.4	
NUMBER OF IRIS BLADES		11	
ANGLE OF VIEW	Aspect ratio 1.9:1 Dimensions 40.96 x 21.6 mm	91.4°x 56.7°at 20 mm	44.5°x 24.4°at 50 mm
	Aspect ratio 1.5:1 Dimensions 36 x 24 mm	84.0°x 61.9°at 20 mm	39.6°x 27.0°at 50 mm
	Aspect ratio 1.78:1 Dimensions 35.7 x 20.1 mm	83.5°x 53.4°at 20 mm	39.3°x 22.7°at 50 mm
	Aspect ratio 1.9:1 Dimensions 38.1 x 20.1 mm	87.2°x 53.4°at 20 mm	41.7°x 22.7°at 50 mm
MINIMUM SHOOTING DISTANCE		0.6 m / 2'	
SHOOTING RANGE AT CLOSEST APPROACH	1.9:1 40.96 x 21.6 mm	74.5 x 39.3 cm at 20 mm	28.4 x 15.0 cm at 50 mm
	1.5:1 36 x 24 mm	65.5 x 43.7 cm at 20 mm	24.9 x 16.6 cm at 50 mm
	1.78:1 35.7 x 20.1 mm	64.9 x 36.6 cm at 20 mm	24.7 x 13.9 cm at 50 mm
	1.9:1 38.1 x 20.1 mm	69.3 x 36.6 cm at 20 mm	26.4 x 13.9 cm at 50 mm
FRONT DIAMETER		Φ 114 mm	
COOKE /i TECHNOLOGY COMMUNICATION INCLUDING ZEISS EXTENDED DATA		Supported	Supported
OUTER DIMENSIONS (W X H X D)		Approx. 131.2 x 133.6 x 241.3 mm	Approx. 131.2 x 133.6 x 233.3 mm
WEIGHT		Approx. 3.3 kg	

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CINEMA ZOOM LENS RANGE



	PREMIUM ZOOM				FLEX ZOOM				COMPACT ZOOM				CINE SERVO				COMPACT CINE SERVO			
	CN-E14.5-60MM T2.6 L S/SP		CN-E30-300MM T2.95-3.7 L S/SP		CN-E20-50MM T2.4 L F / FP		CN-E45-135MM T2.4 L F / FP		CN-E15.5-47MM T2.8 L S/SP		CN-E30-105MM T2.8 L S/SP		CN7X17 KAS S E1/P1		CN10X25 IAS S E1/P1		CN20X50 IAS H E1/P1		CN-E18-80MM T4.4 L IS KAS S	CN70-200MM T4.4 L IS KAS S
MOUNT	EF	PL	EF	PL	EF	PL	EF	PL	EF	PL	EF	PL	EF	PL	EF	PL	EF	PL	EF	EF
FOCAL LENGTH	14.5-60mm		30-300mm		20-50mm		45-135mm		15.5-47mm		30-105mm		15.5-47mm		25-250mm (37.5-375mm with 1.5x Extender)		50-1000mm (75-1500mm with 1.5x Extender)		18-80mm	70-200mm
ZOOM RATIO	4.1x		10x		2.5x		3x		3x		3.5x		7x		10x		20x		4.4x	2.85x
MAX RELATIVE APERTURE (T-NUMBER)	T2.6 at 14.5-60mm		T2.95 at 30-240mm/1:3.7 at 300mm		T2.4 at 20-50mm		T2.4 at 45-135mm		T2.8 at 15.5-47mm		T2.8 at 30-105mm		T2.95 at 17-9mm / T3.9 at 120mm		T2.95 at 25-187mm T3.95 at 250mm T4.4 at 37.5-281mm T5.9 at 375mm		T5.0 at 50-560mm T8.9 at 1000mm T7.5 at 75-840mm T13.35 at 1500mm		T4.4 at 18-80mm	T4.4 at 70-200mm
IRIS BLADES	11		11		11		11		11		11		11		11		11		9	9
ANGLE OF VIEW	84.2° x 50.9° at 14.5mm 24.6° x 13.1° at 60mm		47.2° x 25.9° at 30mm 5.0° x 2.6° at 300mm		91.4° x 56.7° at 20mm 44.5° x 24.4° at 50mm		48.9° x 27.0° at 45mm 17.3° x 9.1° at 135mm		80.4° x 48° at 15.5mm 31.1° x 16.7° at 47mm		47.2° x 25.9° at 30mm 14.2° x 7.5° at 105mm		75.2° x 44.2° at 17mm 12.5° x 6.6° at 120mm		52.4° x 30.9° at 25mm 5.6° x 3.2° at 250mm		29.4° x 15.7° at 50mm 1.5° x 0.8° at 1000mm 19.8° x 10.5° at 75mm 1.0° x 0.5° at 1500mm		68.7° x 41.9° at 18mm 17.5° x 9.9° at 80mm	19.9° x 11.3° at 70mm 7.0° x 4.0° at 200mm
M.O.D FROM IMAGE SENSOR (METRES / FEET)	0.7m / 2'4"		1.5m / 5'		0.6m / 2'		1.0m / 3'4"		0.5m / 1'8"		0.6m / 2'		0.85m / 2'8"		1.2m / 4'		3.5m / 11'5"		0.5m / 1'7"	1.2m / 4'
OBJECT DIMENSIONS AT M.O.D	71.2 x 37.5cm at 14.5mm 16.4 x 8.6cm at 60mm		107.9 x 56.8cm at 30mm 10.5 x 5.6cm at 300mm		74.5 x 39.3cm at 20mm 28.4 x 15.0cm at 50mm		77.1 x 40.6cm at 45mm 24.7 x 13.0cm at 135mm		47.6 x 25.1cm at 15.5mm 15.4 x 8.1cm at 47mm		35.3 x 18.6cm at 30mm 10.2 x 5.4cm at 105mm		92.1 x 48.5cm at 17mm 12.7 x 6.7cm at 120mm		92.1 x 48.5cm at 25mm 9.3 x 4.9cm at 250mm 61.4 x 32.3cm at 37.5mm 6.2 x 3.3cm at 375mm		148.3 x 78.1cm at 50mm 7.8 x 4.1cm at 1000mm 98.9 x 52.1cm at 75mm 5.2 x 2.7cm at 1500mm		43.4 x 24.3cm at 18mm 9.5 x 5.3cm at 80mm	31.3 x 17.5cm at 70mm 11.5 x 6.4cm at 200mm
FRONT DIAMETER	Ø136mm		Ø136mm		Ø114mm		Ø114mm		Ø114mm		Ø114mm		Ø114mm		Ø114mm		Ø136mm		Ø77mm	Ø77mm
APPROX. SIZE (W X H X L)	136 x 163.1 x 326mm	136 x 163.1 x 318mm	144.0 x 167.1 x 350.1mm	144.0 x 167.1 x 342.1mm	131.2 x 133.6 x 241.3mm	131.2 x 133.6 x 233.3mm	131.2 x 133.6 x 246.4mm	131.2 x 133.6 x 238.4mm	114 x 125 x 222mm	114 x 125 x 214mm	114 x 125 x 217.9mm	114 x 125 x 209.9mm	174.2 x 125 x 262.9mm	174.2 x 125 x 254.9mm	186.7 x 131.7 x 282.1mm	186.7 x 131.7 x 274.1mm	175 x 170.6 x 413.2mm	175 x 170.6 x 405.2mm	93.4 x 107.2 x 182.3mm	93.4 x 107.2 x 182.3mm
APPROX. WEIGHT	4.5kg		5.8kg		3.3kg		3.4kg		2.2kg		2.2kg		2.9kg		3.06kg		6.6kg		1.2kg	1.25kg
PITCH OF FOLLOW FOCUS GEAR	0.8mm		0.8mm		0.8mm		0.8mm		0.8mm		0.8mm		0.8mm		0.5mm or 0.8mm		0.5mm or 0.8mm		0.8mm	0.8mm



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CINEMA PRIME LENS RANGE



		EF-CINEMA PRIMES							SUMIRE PRIMES						
		CN-E14MM T3.1 L F	CN-E20MM T1.5 L F	CN-E24MM T1.5 L F	CN-E35MM T1.5 L F	CN-E50MM T1.3 L F	CN-E85MM T1.3 L F	CN-E135MM T2.2 L F	CN-E14MM T3.1 FP X	CN-E20MM T1.5 FP X	CN-E24MM T1.5 FP X	CN-E35MM T1.5 FP X	CN-E50MM T1.3 FP X	CN-E85MM T1.3 FP X	CN-E135MM T2.2 FP X
MOUNT		EF	EF	EF	EF	EF	EF	EF	EF/PL*	EF/PL*	EF/PL*	EF/PL*	EF/PL*	EF/PL*	EF/PL*
FOCAL LENGTH		14mm	20mm	24mm	35mm	50mm	85mm	135mm	14mm	20mm	24mm	35mm	50mm	85mm	135mm
MAX RELATIVE APERTURE (T-NUMBER)		T3.1	T1.5	T1.5	T1.5	T1.3	T1.3	T2.2	T3.1	T1.5	T1.5	T1.5	T1.3	T1.3	T2.2
IRIS BLADES		11	11	11	11	11	11	11	11	11	11	11	11	11	11
ANGLE OF VIEW	1.5:1 36.0 X 24.00mm	104.3° x 81.2°	84.0° x 61.9°	73.7° x 53.1°	54.4° x 37.8°	39.6° x 27.0°	23.9° x 16.1°	15.2° x 10.2°	104.3° x 81.2°	84.0° x 61.9°	73.7° x 53.1°	54.4° x 37.8°	39.6° x 27.0°	23.9° x 16.1°	15.2° x 10.2°
	1.78:1 24.6 X 13.8mm	82.6° x 52.5°	63.2° x 38.1°	54.3° x 32.1°	38.7° x 22.3°	27.6° x 15.7°	16.5° x 9.3°	10.4° x 8.1°	82.6° x 52.5°	63.2° x 38.1°	54.3° x 32.1°	38.7° x 22.3°	27.6° x 15.7°	16.5° x 9.3°	10.4° x 8.1°
M.O.D FROM IMAGE SENSOR "METRES / FEET"		0.2m / 0'7"	0.3m / 1'	0.3m / 1'	0.3m / 1'	0.45m / 1'5"	0.95m / 3'2"	1m / 3'3"	0.2m / 0'7"	0.3m / 1'	0.3m / 1'	0.3m / 1'	0.45m / 1'5"	0.95m / 3'2"	1m / 3'3"
OBJECT DIMENSIONS AT M.O.D	1.5:1 36.0 X 24.00mm	25.2 x 16.8cm	33.8 x 22.5cm	28.8 x 19.2cm	20.2 x 13.5cm	25.0 x 16.7cm	34.4 x 22.9cm	21.1 x 14.1cm	25.2 x 16.8cm	33.8 x 22.5cm	28.8 x 19.2cm	20.2 x 13.5cm	25.0 x 16.7cm	34.4 x 22.9cm	21.1 x 14.1cm
	1.78:1 24.6 X 13.8mm	17.2 x 9.7cm	23.1 x 13.0cm	19.7 x 11.0cm	13.8 x 7.7cm	17.1 x 9.6cm	23.5 x 13.2cm	14.4 x 8.1cm	17.2 x 9.7cm	23.1 x 13.0cm	19.7 x 11.0cm	13.8 x 7.7cm	17.1 x 9.6cm	23.5 x 13.2cm	14.4 x 8.1cm
FRONT DIAMETER		Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm	Ø114mm
APPROX. SIZE (W X H X L)		118.4 x 118.4 x 94mm	118.4 x 118.4 x 101.5mm	118.4 x 118.4 x 101.5mm	118.4 x 118.4 x 101.5mm	118.4 x 118.4 x 101.5mm	118.4 x 118.4 x 101.5mm	118.4 x 118.4 x 115.6mm	118.4 x 118.4 x 86mm	118.4 x 118.4 x 93.5mm	118.4 x 118.4 x 93.5mm	118.4 x 118.4 x 93.5mm	118.4 x 118.4 x 93.5mm	118.4 x 118.4 x 93.5mm	118.4 x 118.4 x 107.6mm
APPROX. WEIGHT		1.2kg	1.2kg	1.2kg	1.1kg	1.1kg	1.3kg	1.4kg	1.2kg	1.2kg	1.2kg	1.1kg	1.1kg	1.3kg	1.4kg
PITCH OF FOLLOW FOCUS GEAR		0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm

* PL Mount is changeable back to EF and back again via an authorized service facility



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