

Fixed-Focus Lens

ET-DLE030

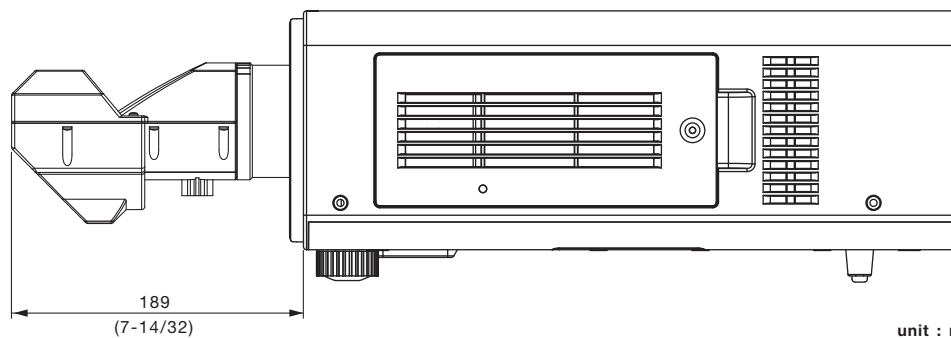
This fixed-focus lens is designed for use with Panasonic's applicable projectors. This lens is an ultra-short focal length lens which uses a mirror.

NOTE: The lens cannot be used by itself. It must be mounted onto the specified Panasonic DLP™ projector.

Specifications

F value:	TBD
Focal distance (f):	TBD
Dimensions (W × H × D):	132 × 99 × 310 mm (5-6/32 × 3-29/32 × 12-7/32 inches)
Weight:	Approx 1.4 kg (3.1 lbs)
Applicable projector:	PT-DZ870K/DZ870LK/DZ870W/DZ870LW/DW830K/DW830LK/DW830W/DW830LW/ DX100K/DX100LK/DX100W/DX100LW/DZ770K/DZ770LK/DZ770S/DZ770LS/DW740S/ DW740LS/DW740K/DW740LK/DX810S/DX810LS/DX810K/DX810LK/DZ680K/DZ680LK/ DZ680S/DZ680LS/DW640K/DW640LK/DW640S/DW640LS/DX610K/DX610LK/DX610S/ DX610LS/DZ6710/DZ6710L/DW730S/DW730LS/DW730K/DW730LK/DX800S/DX800LS/ DX800K/DX800LK/DZ6700/DZ6700L/DW6300S/DW6300LS/DW6300K/DW6300LK/ D6000S/D6000LS/D6000K/D6000LK/D5000S/D5000LS

Dimensions



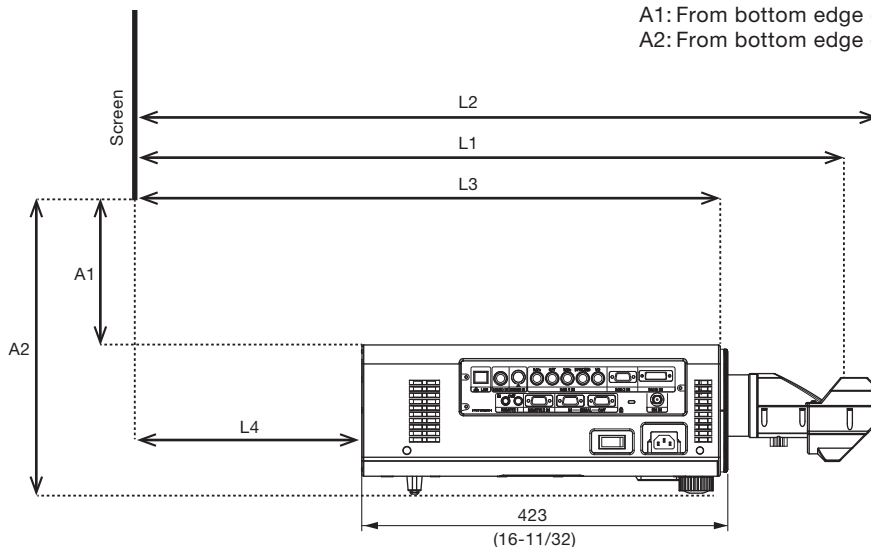
unit : mm (inch)
NOTE: This illustration is not drawn to scale.

Vertical axis shift amount

Shift amount from center of screen, V = screen height
 WUXGA: Approx. 0.88 V
 WXGA: Approx. 0.98 V
 XGA: Approx. 0.80 V

Dimension definitions

- L1: Projection distance (from screen to mirror reflective surface)
- L2: From screen to tip of lens
- L3: From screen to front of set
- L4: From screen to rear of set
- A1: From bottom edge of screen to top of set
- A2: From bottom edge of screen to bottom of set



DLP is a trademark of Texas Instruments. Weights and dimensions shown are approximate. Specifications subject to change without notice.

ET-DLE030 Projection Distance Table

DZ870/DZ770/DZ680/DZ6710/DZ6700

16 : 10 (WUXGA ; 1920 × 1200)

Unit : meters

Ultra-short focal length lens ET-DLE030 Close-up system dimensions												
Throw ratio		0.38:1		(0.39:1)		From front of set to screen (L3)	From rear of set to screen (L4)		From top of set to bottom edge of screen (A1)		From bottom of set to bottom edge of screen (A2)	
Opposite angle (SD) (Inches)	Opposite angle	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)	From tip of lens to screen (L2)		DZ870	DZ770/DZ680 DZ6710 DZ6700	DZ870	DZ770/DZ680 DZ6710 DZ6700	DZ870	DZ770/DZ680 DZ6710 DZ6700
100	2.54	1.35	2.15	0.82	0.84	0.65	0.14	0.23	0.43	0.44	0.63	0.61
120	3.05	1.62	2.59	0.98	1.00	0.82	0.30	0.39	0.53	0.54	0.73	0.71
150	3.81	2.02	3.23	1.23	1.25	1.06	0.55	0.64	0.68	0.69	0.88	0.86
200	5.08	2.69	4.31	1.63	1.66	1.47	0.95	1.04	0.93	0.94	1.13	1.11
250	6.35	3.37	5.39	2.04	2.06	1.87	1.36	1.45	1.18	1.19	1.38	1.36
300	7.62	4.04	6.46	2.45	2.47	2.28	1.77	1.86	1.43	1.44	1.63	1.61
350	8.89	4.71	7.54	2.85	2.88	2.69	2.18	2.27	1.69	1.69	1.89	1.87

Unit : feet

Ultra-short focal length lens ET-DLE030 Close-up system dimensions												
Throw ratio		0.38:1		(0.39:1)		From front of set to screen (L3)	From rear of set to screen (L4)		From top of set to bottom edge of screen (A1)		From bottom of set to bottom edge of screen (A2)	
Opposite angle (SD) (Inches)	Opposite angle (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)	From tip of lens to screen (L2)		DZ870	DZ770/DZ680 DZ6710 DZ6700	DZ870	DZ770/DZ680 DZ6710 DZ6700	DZ870	DZ770/DZ680 DZ6710 DZ6700
100	2.54	4.4	7.1	2.7	2.8	2.1	0.5	0.8	1.4	1.4	2.1	2.0
120	3.05	5.3	8.5	3.2	3.3	2.7	1.0	1.3	1.7	1.8	2.4	2.3
150	3.81	6.6	10.6	4.0	4.1	3.5	1.8	2.1	2.2	2.3	2.9	2.8
200	5.08	8.8	14.1	5.4	5.4	4.8	3.1	3.4	3.1	3.1	3.7	3.6
250	6.35	11.0	17.7	6.7	6.8	6.1	4.5	4.8	3.9	3.9	4.5	4.5
300	7.62	13.3	21.2	8.0	8.1	7.5	5.8	6.1	4.7	4.7	5.4	5.3
350	8.89	15.5	24.7	9.4	9.4	8.8	7.1	7.4	5.5	5.5	6.2	6.1

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$L1 (m) = 0.00814 \times SD + 0.00467$
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Calculation formula for distance from top of set to bottom edge of screen

DZ870	$A1 (m) = 0.00502 \times SD + 0.07210$
DZ770/DZ680/DZ6710/DZ6700	$A1 (m) = 0.00502 \times SD + 0.06710$

DW830/DW740/DW730/DW640/DW6300

16 : 10 (WXGA ; 1280 × 800)

Unit : meters

Ultra-short focal length lens ET-DLE030 Close-up system dimensions												
Throw ratio				0.40:1		(0.41:1)	From rear of set to screen (L4)		From top of set to bottom edge of screen (A1)		From bottom of set to bottom edge of screen (A2)	
Opposite angle (SD) (Inches)	Opposite angle	Height (SH)	Width (SW)	From tip of lens to screen (L1)	From tip of lens to screen (L2)	From front of set to screen (L3)	DW830	DW740/DW730 DX640 DW6300	DW830	DW740/DW730 DX640 DW6300	DW830	DW740/DW730 DX640 DW6300
100	2.54	1.35	2.15	0.86	0.88	0.69	0.18	0.27	0.59	0.59	0.79	0.77
120	3.05	1.62	2.59	1.03	1.05	0.86	0.35	0.44	0.72	0.72	0.92	0.90
150	3.81	2.02	3.23	1.29	1.31	1.12	0.61	0.70	0.92	0.92	1.12	1.10
200	5.08	2.69	4.31	1.71	1.74	1.55	1.04	1.13	1.25	1.25	1.45	1.43
250	6.35	3.37	5.39	2.14	2.16	1.98	1.46	1.55	1.58	1.58	1.78	1.76
300	7.62	4.04	6.46	2.57	2.59	2.40	1.89	1.98	1.91	1.91	2.11	2.09
350	8.89	4.71	7.54	3.00	3.02	2.83	2.32	2.41	2.24	2.24	2.44	2.42

Unit : feet

Ultra-short focal length lens ET-DLE030 Close-up system dimensions												
Throw ratio				0.40:1		(0.41:1)	From rear of set to screen (L4)		From top of set to bottom edge of screen (A1)		From bottom of set to bottom edge of screen (A2)	
Opposite angle (SD) (Inches)	Opposite angle (m)	Height (SH)	Width (SW)	From tip of lens to screen (L1)	From tip of lens to screen (L2)	From front of set to screen (L3)	DW830	DW740/DW730 DX640 DW6300	DW830	DW740/DW730 DX640 DW6300	DW830	DW740/DW730 DX640 DW6300
100	2.54	4.4	7.1	2.8	2.9	2.3	0.6	0.9	1.9	1.9	2.6	2.5
120	3.05	5.3	8.5	3.4	3.5	2.8	1.2	1.4	2.4	2.4	3.0	2.9
150	3.81	6.6	10.6	4.2	4.3	3.7	2.0	2.3	3.0	3.0	3.7	3.6
200	5.08	8.8	14.1	5.6	5.7	5.1	3.4	3.7	4.1	4.1	4.7	4.7
250	6.35	11.0	17.7	7.0	7.1	6.5	4.8	5.1	5.2	5.2	5.8	5.8
300	7.62	13.3	21.2	8.4	8.5	7.9	6.2	6.5	6.3	6.3	6.9	6.8
350	8.89	15.5	24.7	9.8	9.9	9.3	7.6	7.9	7.3	7.3	8.0	7.9

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$$L1 (m) = 0.00855 \times SD + 0.00467$$

Calculation formula for distance from top of set to bottom edge of screen

DW830	A1 (m) = 0.00660 × SD + 0.07396
DW740/DW730/DW640/DW6300	A1 (m) = 0.00660 × SD + 0.06896

DX100/DX810/DX800/DX610/D6000/D5000

4 : 3 (XGA ; 1024 x 768)

Unit : meters

Ultra-short focal length lens ET-DLE030 Close-up system dimensions												
Throw ratio		0.39:1		(0.41:1)		From front of set to screen (L3)	From rear of set to screen (L4)		From top of set to bottom edge of screen (A1)		From bottom of set to bottom edge of screen (A2)	
Opposite angle (SD) (Inches)	Opposite angle	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)	From tip of lens to screen (L2)		DX100	DX810/DX800 DX610/D6000 D5000	DX100	DX810/DX800 DX610/D6000 D5000	DX100	DX810/DX800 DX610/D6000 D5000
100	2.54	1.52	2.03	0.80	0.82	0.63	0.12	0.21	0.41	0.41	0.61	0.59
120	3.05	1.83	2.44	0.96	0.98	0.79	0.28	0.37	0.50	0.51	0.70	0.68
150	3.81	2.29	3.05	1.20	1.22	1.03	0.52	0.61	0.65	0.65	0.85	0.83
200	5.08	3.05	4.06	1.60	1.62	1.43	0.92	1.01	0.88	0.89	1.08	1.06
250	6.35	3.81	5.08	1.99	2.02	1.83	1.32	1.41	1.12	1.13	1.32	1.30
300	7.62	4.57	6.10	2.39	2.42	2.23	1.71	1.80	1.36	1.37	1.56	1.54
350	8.89	5.33	7.11	2.79	2.81	2.62	2.11	2.20	1.60	1.61	1.80	1.78

Unit : feet

Ultra-short focal length lens ET-DLE030 Close-up system dimensions												
Throw ratio		0.39:1		(0.41:1)		From front of set to screen (L3)	From rear of set to screen (L4)		From top of set to bottom edge of screen (A1)		From bottom of set to bottom edge of screen (A2)	
Opposite angle (SD) (Inches)	Opposite angle (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)	From tip of lens to screen (L2)		DX100	DX810/DX800 DX610/D6000 D5000	DX100	DX810/DX800 DX610/D6000 D5000	DX100	DX810/DX800 DX610/D6000 D5000
100	2.54	5.0	6.7	2.6	2.7	2.1	0.4	0.7	1.3	1.3	2.0	1.9
120	3.05	6.0	8.0	3.1	3.2	2.6	0.9	1.2	1.6	1.7	2.3	2.2
150	3.81	7.5	10.0	3.9	4.0	3.4	1.7	2.0	2.1	2.1	2.8	2.7
200	5.08	10.0	13.3	5.2	5.3	4.7	3.0	3.3	2.9	2.9	3.6	3.5
250	6.35	12.5	16.7	6.5	6.6	6.0	4.3	4.6	3.7	3.7	4.3	4.3
300	7.62	15.0	20.0	7.8	7.9	7.3	5.6	5.9	4.5	4.5	5.1	5.1
350	8.89	17.5	23.3	9.2	9.2	8.6	6.9	7.2	5.3	5.3	5.9	5.8

Projection Distance Calculation Table

Screen aspect ratio 4:3

Projection distance calculation formula

$L1 (m) = 0.00796 \times SD + 0.00467$
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Calculation formula for distance from top of set to bottom edge of screen

DX100	$A1 (m) = 0.00478 \times SD + 0.07149$
DX810/DX800/DX610/D6000/D5000	$A1 (m) = 0.00478 \times SD + 0.06649$