

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

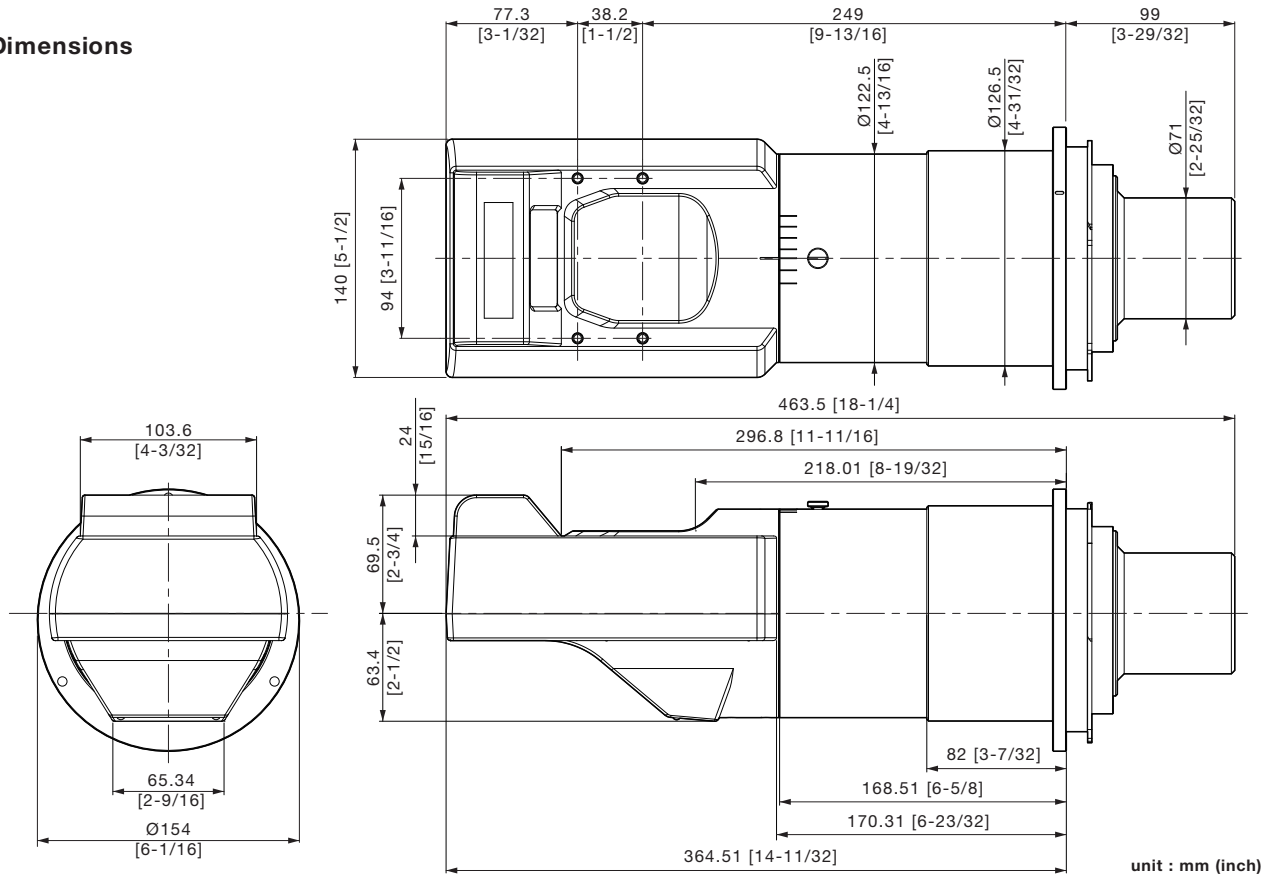
F value:	2.5		
Focal distance (f):	7.5 mm (9/32")		
Lens shift:		Vertical shift	Horizontal shift
	PT-RQ32K/RQ22K/RQ13K	up:10% down:5%	left: 21%; right: 21%
	PT-RZ31K/RZ21K/RZ12K	up: 5% down:5%	left: 12%; right: 12%
	PT-DZ21K/DZ21K2/DZ13K/DZ10K	up: 5% down:7%	left: 12%; right: 12%
	PT-DZ16K/DZ16K2	up:13% down:8%	left: 19%; right: 19%
	PT-RS30K/RS20K/RS11K	up: 0% down:4%	left: 8%; right: 8%
	PT-DS20K/DS20K2/DS12K	up: 0% down:7%	left: 8%; right: 8%
	PT-DW17K/DW17K2/DW11K	up:18% down:9%	left: 30%; right: 30%
Dimensions (W × H × D):	463.5mm × ø154 mm (18-1/4 × ø6-1/16 inches)		
Weight:	Approx 5.7 kg* (12.6 lbs*)		
Applicable projector	[Group A] PT-DZ21K/DZ21K2/DS20K/DS20K2/DW17K/DW17K2/DZ16K/DZ16K2		
	[Group B] PT-DZ13K/DS12K/DW11K/DZ10K/DZ8700/DZ110K/DS8500/DS1100K/PT-DW8300/DW90K		
	[Group C] PT-RQ13K/RZ12K/RS11K		
	[Group D] PT-RQ32K/RZ31K/RS30K		
	[Group E] PT-RQ22K/RZ21K/RS20K		

PT-RQ35K/RZ34K/RQ25K/RZ24K/RQ18K/RZ17K/RZ16K

For these projectors see the individual spec files of the projectors

* Average value. May differ depending on models.

Dimensions

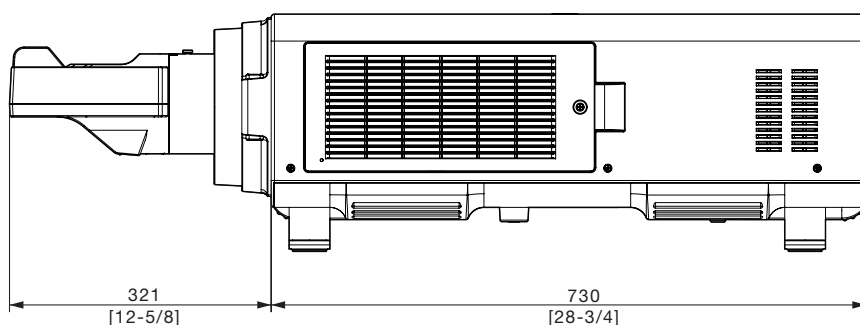


NOTE: This illustration is not drawn to scale.

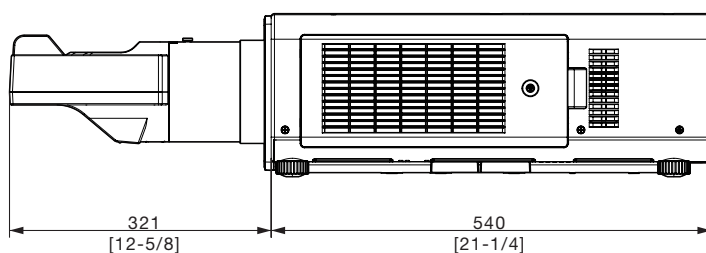
DLP is a trademark of Texas Instruments. Weights and dimensions shown are approximate. Specifications subject to change without notice.

Dimensions

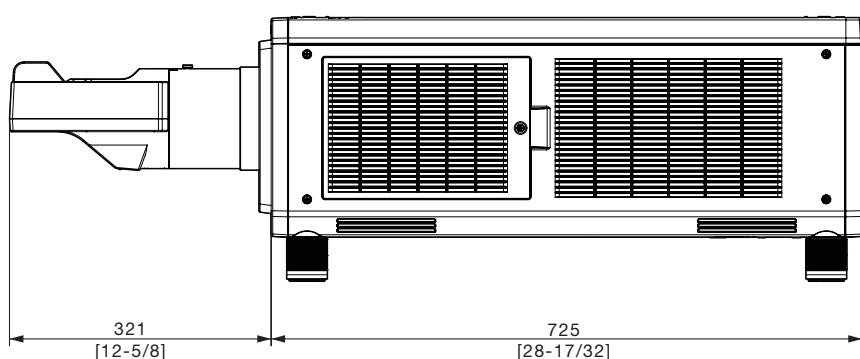
[Group A]
PT-DZ21K/DZ21K2/DS20K/DS20K2/DW17K/DW17K2/DZ16K/DZ16K2



[Group B]
PT-DZ13K/DS12K/DW11K/DZ10K/DZ8700/DZ110K/DS8500/DS1100K/DW8300/DW90K



[Group C]
PT-RQ13K/RZ12K/RS11K

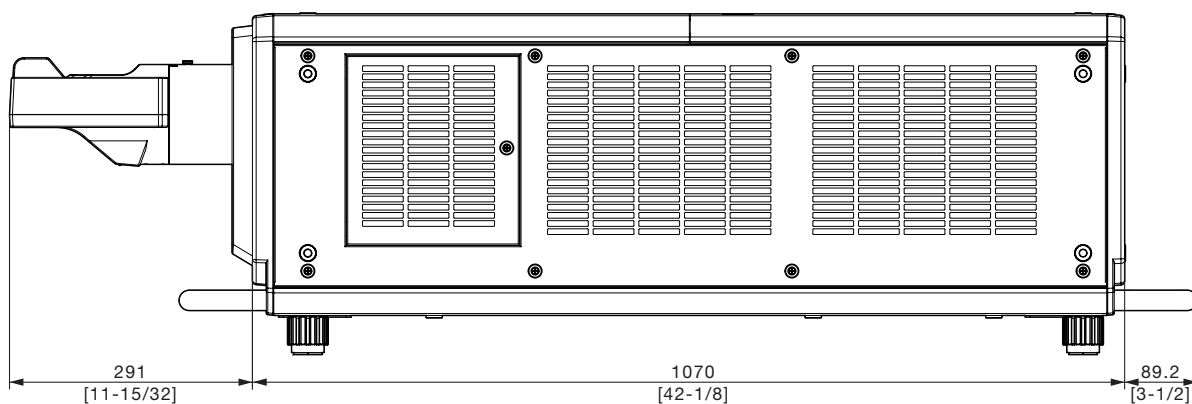


unit : mm (inch)

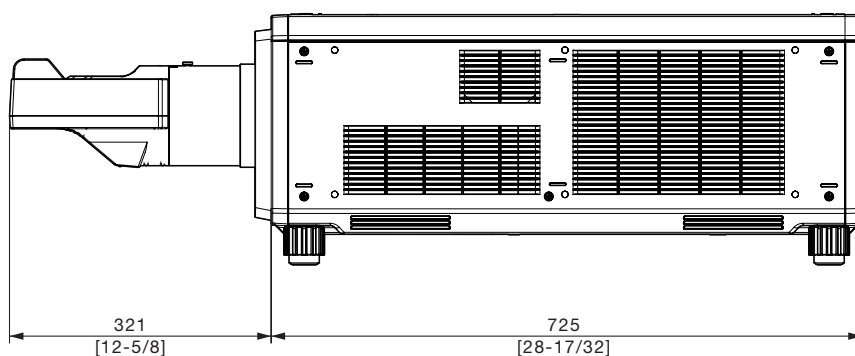
NOTE: This illustration is not drawn to scale.

Dimensions

[Group D]
PT-RQ32/RZ31K/RS30K



[Group E]
PT-RQ22K/RZ21K/RS20K



unit : mm (inch)

NOTE: This illustration is not drawn to scale.

ET-D75LE95 Projection Distance Table

PT-RQ32K

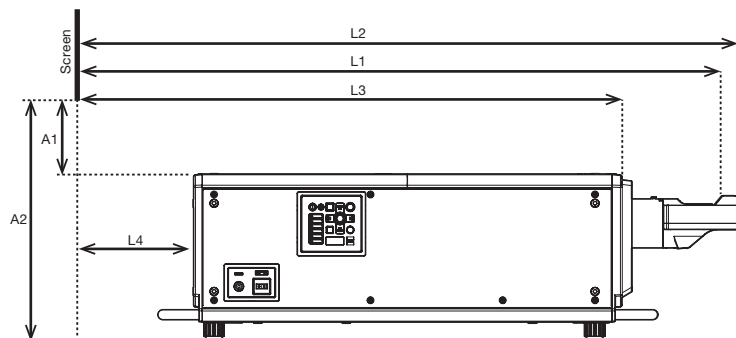
16 : 10 (WQXGA ; 2560 × 1600)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.62	2.58	1.01	1.04	0.75	-0.32	0.19	0.42	0.61	0.84
150	3.81	2.02	3.23	1.26	1.29	1.00	-0.07	0.27	0.56	0.69	0.98
200	5.08	2.69	4.31	1.67	1.70	1.41	0.34	0.41	0.79	0.82	1.20
250	6.35	3.37	5.38	2.08	2.11	1.82	0.75	0.54	1.01	0.96	1.43
300	7.62	4.04	6.46	2.50	2.52	2.23	1.16	0.67	1.24	1.09	1.66
350	8.89	4.71	7.54	2.91	2.94	2.65	1.58	0.81	1.47	1.22	1.89
400	10.16	5.38	8.62	3.32	3.35	3.06	1.99	0.94	1.70	1.36	2.12
500	12.70	6.73	10.77	4.15	4.17	3.88	2.81	1.21	2.15	1.62	2.57
600	15.24	8.08	12.92	4.97	5.00	4.71	3.64	1.47	2.61	1.89	3.03

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	5.3	8.5	3.3	3.4	2.5	-1.1	0.6	1.4	2.0	2.8
150	3.81	6.6	10.6	4.1	4.2	3.3	-0.2	0.9	1.8	2.3	3.2
200	5.08	8.8	14.1	5.5	5.6	4.6	1.1	1.3	2.6	2.7	3.9
250	6.35	11.0	17.7	6.8	6.9	6.0	2.5	1.8	3.3	3.1	4.7
300	7.62	13.2	21.2	8.2	8.3	7.3	3.8	2.2	4.1	3.6	5.4
350	8.89	15.5	24.7	9.5	9.6	8.7	5.2	2.6	4.8	4.0	6.2
400	10.16	17.7	28.3	10.9	11.0	10.0	6.5	3.1	5.6	4.5	6.9
500	12.70	22.1	35.3	13.6	13.7	12.7	9.2	4.0	7.1	5.3	8.4
600	15.24	26.5	42.4	16.3	16.4	15.4	11.9	4.8	8.6	6.2	9.9



- 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

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$$L1 \text{ (m)} = 0.0083 \times \text{Diagonal image size (inches)} + 0.02$$

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

RQ32K

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000198 \times \text{SH} - 0.128 \\ \text{Max. A1 (m)} &= 0.000339 \times \text{SH} - 0.128 \end{aligned}$$

ET-D75LE95 Projection Distance Table

PT-RZ31K

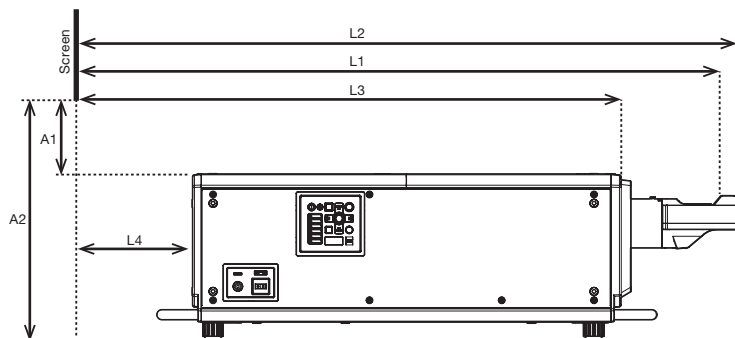
16 : 10 (WUXGA ; 1920 × 1200)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.62	2.58	0.94	0.97	0.68	-0.39	0.17	0.33	0.59	0.75
150	3.81	2.02	3.23	1.18	1.20	0.91	-0.16	0.24	0.44	0.66	0.86
200	5.08	2.69	4.31	1.56	1.59	1.30	0.23	0.37	0.63	0.79	1.05
250	6.35	3.37	5.38	1.95	1.97	1.68	0.61	0.49	0.83	0.91	1.24
300	7.62	4.04	6.46	2.33	2.36	2.07	1.00	0.62	1.02	1.03	1.43
350	8.89	4.71	7.54	2.72	2.74	2.45	1.38	0.74	1.21	1.16	1.62
400	10.16	5.38	8.62	3.10	3.13	2.84	1.77	0.86	1.40	1.28	1.82
500	12.70	6.73	10.77	3.87	3.90	3.61	2.54	1.11	1.78	1.53	2.20
600	15.24	8.08	12.92	4.64	4.67	4.38	3.31	1.36	2.16	1.78	2.58

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	5.3	8.5	3.1	3.2	2.2	-1.3	0.6	1.1	1.9	2.5
150	3.81	6.6	10.6	3.9	4.0	3.0	-0.5	0.8	1.5	2.2	2.8
200	5.08	8.8	14.1	5.1	5.2	4.3	0.7	1.2	2.1	2.6	3.5
250	6.35	11.0	17.7	6.4	6.5	5.5	2.0	1.6	2.7	3.0	4.1
300	7.62	13.2	21.2	7.6	7.7	6.8	3.3	2.0	3.3	3.4	4.7
350	8.89	15.5	24.7	8.9	9.0	8.0	4.5	2.4	4.0	3.8	5.3
400	10.16	17.7	28.3	10.2	10.3	9.3	5.8	2.8	4.6	4.2	6.0
500	12.70	22.1	35.3	12.7	12.8	11.8	8.3	3.6	5.8	5.0	7.2
600	15.24	26.5	42.4	15.2	15.3	14.4	10.9	4.5	7.1	5.8	8.5



- 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

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$$L1 \text{ (m)} = 0.0077 \times \text{Diagonal image size (inches)} + 0.02$$

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

RZ31K

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000184 \times \text{SH} - 0.128 \\ \text{Max. A1 (m)} &= 0.000283 \times \text{SH} - 0.128 \end{aligned}$$

ET-D75LE95 Projection Distance Table

PT-RQ22K/RQ13K

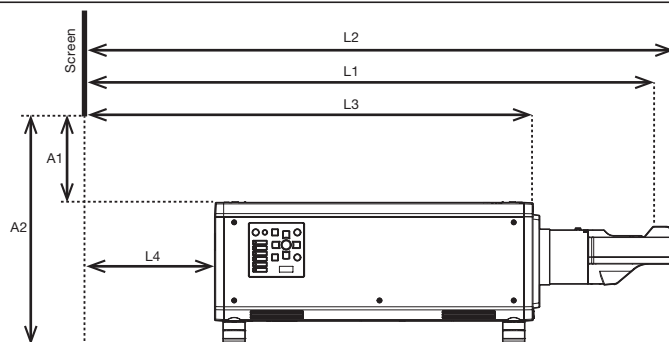
16 : 10 (WQXGA ; 2560 × 1600)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.62	2.58	1.01	1.04	0.72	-0.01	0.19	0.42	0.52	0.74
150	3.81	2.02	3.23	1.26	1.29	0.97	0.24	0.27	0.56	0.60	0.88
200	5.08	2.69	4.31	1.67	1.70	1.38	0.65	0.41	0.79	0.73	1.11
250	6.35	3.37	5.38	2.08	2.11	1.79	1.07	0.54	1.01	0.86	1.34
300	7.62	4.04	6.46	2.50	2.52	2.20	1.48	0.67	1.24	1.00	1.57
350	8.89	4.71	7.54	2.91	2.94	2.62	1.89	0.81	1.47	1.13	1.79
400	10.16	5.38	8.62	3.32	3.35	3.03	2.30	0.94	1.70	1.26	2.02
500	12.70	6.73	10.77	4.15	4.17	3.85	3.13	1.21	2.15	1.53	2.48
600	15.24	8.08	12.92	4.97	5.00	4.68	3.95	1.47	2.61	1.80	2.93

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	5.3	8.5	3.3	3.4	2.4	-0.0	0.6	1.4	1.7	2.4
150	3.81	6.6	10.6	4.1	4.2	3.2	0.8	0.9	1.8	2.0	2.9
200	5.08	8.8	14.1	5.5	5.6	4.5	2.1	1.3	2.6	2.4	3.6
250	6.35	11.0	17.7	6.8	6.9	5.9	3.5	1.8	3.3	2.8	4.4
300	7.62	13.2	21.2	8.2	8.3	7.2	4.8	2.2	4.1	3.3	5.1
350	8.89	15.5	24.7	9.5	9.6	8.6	6.2	2.6	4.8	3.7	5.9
400	10.16	17.7	28.3	10.9	11.0	9.9	7.6	3.1	5.6	4.1	6.6
500	12.70	22.1	35.3	13.6	13.7	12.6	10.3	4.0	7.1	5.0	8.1
600	15.24	26.5	42.4	16.3	16.4	15.3	13.0	4.8	8.6	5.9	9.6



- 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

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$$L1 \text{ (m)} = 0.0083 \times \text{Diagonal image size (inches)} + 0.02$$

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

RQ22K/RQ13K

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000198 \times \text{SH} - 0.128 \\ \text{Max. A1 (m)} &= 0.000339 \times \text{SH} - 0.128 \end{aligned}$$

ET-D75LE95 Projection Distance Table

DZ21K/DZ21K2

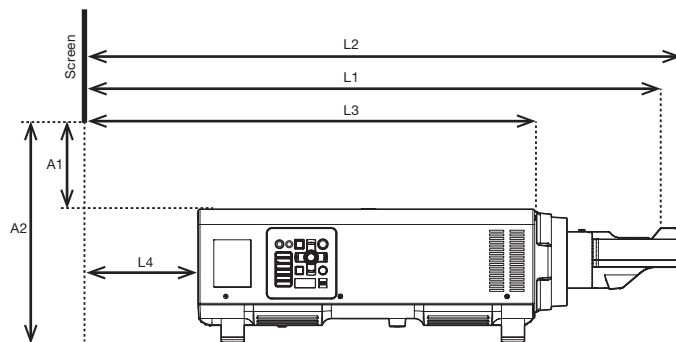
16 : 10 (WUXGA ; 1920 × 1200)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.62	2.59	0.94	0.97	0.65	-0.08	0.14	0.34	0.43	0.63
150	3.81	2.02	3.23	1.18	1.20	0.88	0.15	0.20	0.46	0.49	0.75
200	5.08	2.69	4.31	1.56	1.59	1.27	0.54	0.30	0.65	0.59	0.94
250	6.35	3.37	5.39	1.95	1.97	1.65	0.92	0.40	0.84	0.70	1.13
300	7.62	4.04	6.46	2.33	2.36	2.04	1.31	0.51	1.03	0.80	1.32
350	8.89	4.71	7.54	2.72	2.74	2.42	1.69	0.61	1.22	0.90	1.51
400	10.16	5.39	8.62	3.10	3.13	2.81	2.08	0.72	1.41	1.01	1.70
500	12.70	6.73	10.77	3.87	3.90	3.58	2.85	0.92	1.79	1.21	2.08
600	15.24	8.08	12.92	4.64	4.67	4.35	3.62	1.13	2.17	1.42	2.46

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	5.3	8.5	3.1	3.2	2.1	-0.3	0.4	1.1	1.4	2.1
150	3.81	6.6	10.6	3.9	4.0	2.9	0.5	0.6	1.5	1.6	2.5
200	5.08	8.8	14.1	5.1	5.2	4.2	1.8	1.0	2.1	1.9	3.1
250	6.35	11.0	17.7	6.4	6.5	5.4	3.0	1.3	2.8	2.3	3.7
300	7.62	13.3	21.2	7.6	7.7	6.7	4.3	1.7	3.4	2.6	4.3
350	8.89	15.5	24.7	8.9	9.0	7.9	5.6	2.0	4.0	3.0	5.0
400	10.16	17.7	28.3	10.2	10.3	9.2	6.8	2.3	4.6	3.3	5.6
500	12.70	22.1	35.3	12.7	12.8	11.7	9.3	3.0	5.9	4.0	6.8
600	15.24	26.5	42.4	15.2	15.3	14.3	11.9	3.7	7.1	4.7	8.1



- 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

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$$L1 \text{ (m)} = 0.0077 \times \text{Diagonal image size (inches)} + 0.02$$

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

DZ21K/DZ21K2

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000154 \times \text{SH} - 0.114 \\ \text{Max. A1 (m)} &= 0.000283 \times \text{SH} - 0.114 \end{aligned}$$

ET-D75LE95 Projection Distance Table

PT-RZ21K/RZ12K

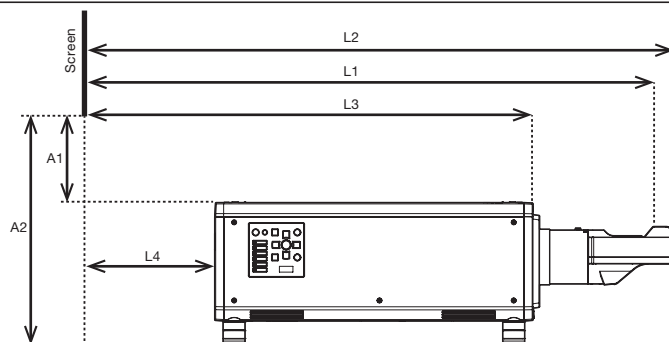
16 : 10 (WUXGA ; 1920 × 1200)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.62	2.58	0.94	0.97	0.65	-0.07	0.17	0.33	0.49	0.65
150	3.81	2.02	3.23	1.18	1.20	0.88	0.16	0.24	0.44	0.57	0.77
200	5.08	2.69	4.31	1.56	1.59	1.27	0.54	0.37	0.63	0.69	0.96
250	6.35	3.37	5.38	1.95	1.97	1.65	0.93	0.49	0.82	0.82	1.15
300	7.62	4.04	6.46	2.33	2.36	2.04	1.31	0.62	1.01	0.94	1.34
350	8.89	4.71	7.54	2.72	2.74	2.42	1.70	0.74	1.21	1.06	1.53
400	10.16	5.38	8.62	3.10	3.13	2.81	2.08	0.86	1.40	1.19	1.72
500	12.70	6.73	10.77	3.87	3.90	3.58	2.85	1.11	1.78	1.43	2.10
600	15.24	8.08	12.92	4.64	4.67	4.35	3.62	1.36	2.16	1.68	2.48

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	5.3	8.5	3.1	3.2	2.1	-0.2	0.6	1.1	1.6	2.1
150	3.81	6.6	10.6	3.9	3.9	2.9	0.5	0.8	1.5	1.9	2.5
200	5.08	8.8	14.1	5.1	5.2	4.2	1.8	1.2	2.1	2.3	3.1
250	6.35	11.0	17.7	6.4	6.5	5.4	3.0	1.6	2.7	2.7	3.8
300	7.62	13.2	21.2	7.6	7.7	6.7	4.3	2.0	3.3	3.1	4.4
350	8.89	15.5	24.7	8.9	9.0	7.9	5.6	2.4	4.0	3.5	5.0
400	10.16	17.7	28.3	10.2	10.3	9.2	6.8	2.8	4.6	3.9	5.6
500	12.70	22.1	35.3	12.7	12.8	11.7	9.4	3.6	5.8	4.7	6.9
600	15.24	26.5	42.4	15.2	15.3	14.3	11.9	4.5	7.1	5.5	8.1



- 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

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$$L1 \text{ (m)} = 0.0077 \times \text{Diagonal image size (inches)} + 0.02$$

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

PT-RZ21K/RZ12K

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000184 \times \text{SH} - 0.128 \\ \text{Max. A1 (m)} &= 0.000283 \times \text{SH} - 0.128 \end{aligned}$$

ET-D75LE95 Projection Distance Table

DZ13K/DZ10K

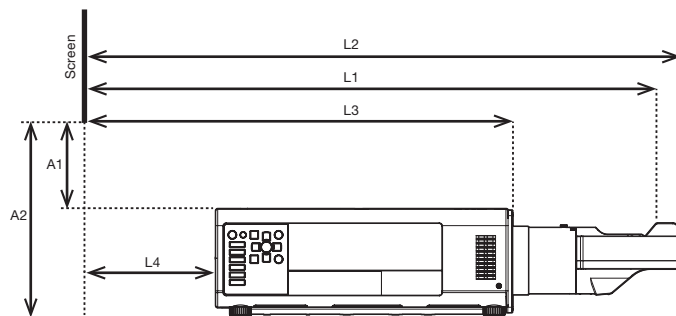
16 : 10 (WUXGA ; 1920 × 1200)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.62	2.59	0.94	0.97	0.65	0.11	0.15	0.36	0.35	0.56
150	3.81	2.02	3.23	1.18	1.20	0.88	0.34	0.21	0.47	0.41	0.67
200	5.08	2.69	4.31	1.56	1.59	1.27	0.73	0.32	0.66	0.52	0.86
250	6.35	3.37	5.39	1.95	1.97	1.65	1.11	0.42	0.85	0.62	1.05
300	7.62	4.04	6.46	2.33	2.36	2.04	1.50	0.52	1.04	0.72	1.24
350	8.89	4.71	7.54	2.72	2.74	2.42	1.88	0.63	1.23	0.83	1.43
400	10.16	5.39	8.62	3.10	3.13	2.81	2.27	0.73	1.42	0.93	1.62
500	12.70	6.73	10.77	3.87	3.90	3.58	3.04	0.94	1.81	1.14	2.01
600	15.24	8.08	12.92	4.64	4.67	4.35	3.81	1.14	2.19	1.34	2.39

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	5.3	8.5	3.1	3.2	2.1	-0.2	0.5	1.2	1.1	1.8
150	3.81	6.6	10.6	3.9	4.0	2.9	0.5	0.7	1.5	1.3	2.2
200	5.08	8.8	14.1	5.1	5.2	4.2	1.8	1.0	2.2	1.7	2.8
250	6.35	11.0	17.7	6.4	6.5	5.4	3.0	1.4	2.8	2.0	3.5
300	7.62	13.3	21.2	7.6	7.7	6.7	4.3	1.7	3.4	2.4	4.1
350	8.89	15.5	24.7	8.9	9.0	7.9	5.6	2.1	4.0	2.7	4.7
400	10.16	17.7	28.3	10.2	10.3	9.2	6.8	2.4	4.7	3.0	5.3
500	12.70	22.1	35.3	12.7	12.8	11.7	9.4	3.1	5.9	3.7	6.6
600	15.24	26.5	42.4	15.2	15.3	14.3	11.9	3.8	7.2	4.4	7.8



- 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

Projection Distance Calculation Table

Screen aspect ratio 16:10

Projection distance calculation formula

$$L1 \text{ (m)} = 0.0077 \times \text{Diagonal image size (inches)} + 0.02$$

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

DZ13K/DZ10K

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000154 \times \text{SH} - 0.100 \\ \text{Max. A1 (m)} &= 0.000283 \times \text{SH} - 0.100 \end{aligned}$$

ET-D75LE95 Projection Distance Table

DZ16K/DZ16K2

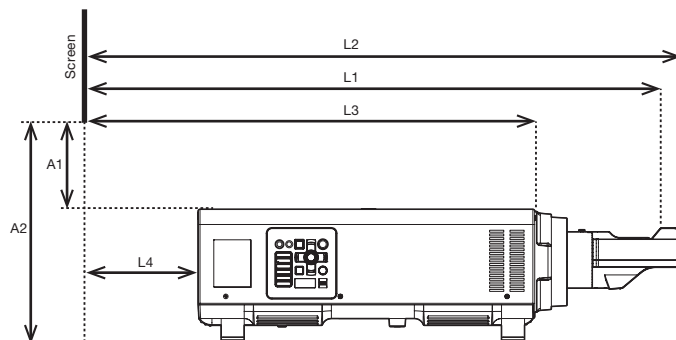
16 : 9 (WXGA ; 1920 × 1080)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.49	2.66	0.97	1.00	0.68	-0.05	0.14	0.44	0.43	0.73
150	3.81	1.87	3.32	1.21	1.24	0.92	0.19	0.21	0.58	0.50	0.87
200	5.08	2.49	4.43	1.60	1.63	1.31	0.58	0.31	0.81	0.61	1.10
250	6.35	3.11	5.54	2.00	2.03	1.71	0.98	0.42	1.04	0.71	1.33
300	7.62	3.74	6.64	2.39	2.42	2.10	1.37	0.53	1.27	0.82	1.56
350	8.89	4.36	7.75	2.79	2.82	2.50	1.77	0.64	1.50	0.93	1.79
400	10.16	4.98	8.86	3.19	3.21	2.89	2.16	0.74	1.73	1.03	2.02
500	12.70	6.23	11.07	3.98	4.01	3.69	2.96	0.96	2.19	1.25	2.48
600	15.24	7.47	13.28	4.77	4.80	4.48	3.75	1.17	2.65	1.46	2.94

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.36:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	4.9	8.7	3.2	3.3	2.2	-0.2	0.5	1.4	1.4	2.4
150	3.81	6.1	10.9	4.0	4.1	3.0	0.6	0.7	1.9	1.6	2.8
200	5.08	8.2	14.5	5.3	5.4	4.3	1.9	1.0	2.6	2.0	3.6
250	6.35	10.2	18.2	6.6	6.7	5.6	3.2	1.4	3.4	2.3	4.4
300	7.62	12.3	21.8	7.9	7.9	6.9	4.5	1.7	4.2	2.7	5.1
350	8.89	14.3	25.4	9.2	9.2	8.2	5.8	2.1	4.9	3.0	5.9
400	10.16	16.3	29.1	10.5	10.5	9.5	7.1	2.4	5.7	3.4	6.6
500	12.70	20.4	36.3	13.0	13.1	12.1	9.7	3.1	7.2	4.1	8.1
600	15.24	24.5	43.6	15.6	15.7	14.7	12.3	3.8	8.7	4.8	9.7



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

Projection Distance Calculation Table

Screen aspect ratio 16:9

Projection distance calculation formula

$$L1 \text{ (m)} = 0.007914 \times \text{Diagonal image size (inches)} + 0.02$$

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

DZ16K/DZ16K2

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000172 \times \text{SH} - 0.114 \\ \text{Max. A1 (m)} &= 0.000370 \times \text{SH} - 0.114 \end{aligned}$$

ET-D75LE95 Projection Distance Table

DW17K/DW17K2

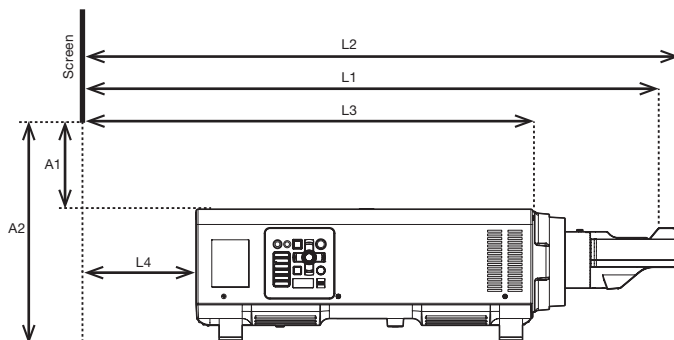
16 : 9 (WXGA ; 1366 × 768)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.40:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.49	2.66	1.07	1.10	0.78	0.05	0.17	0.58	0.46	0.87
150	3.81	1.87	3.32	1.34	1.37	1.05	0.32	0.24	0.76	0.53	1.05
200	5.08	2.49	4.43	1.78	1.81	1.48	0.75	0.36	1.05	0.65	1.34
250	6.35	3.11	5.54	2.22	2.24	1.92	1.19	0.48	1.34	0.77	1.63
300	7.62	3.74	6.64	2.66	2.68	2.36	1.63	0.60	1.63	0.89	1.92
350	8.89	4.36	7.75	3.09	3.12	2.80	2.07	0.71	1.92	1.01	2.21
400	10.16	4.98	8.86	3.53	3.56	3.24	2.51	0.83	2.21	1.12	2.50
500	12.70	6.23	11.07	4.41	4.44	4.12	3.39	1.07	2.79	1.36	3.08
600	15.24	7.47	13.28	5.29	5.32	5.00	4.27	1.31	3.37	1.60	3.66

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.40:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	4.9	8.7	3.5	3.6	2.6	0.2	0.6	1.9	1.5	2.9
150	3.81	6.1	10.9	4.4	4.5	3.4	1.0	0.8	2.5	1.7	3.4
200	5.08	8.2	14.5	5.8	5.9	4.9	2.5	1.2	3.4	2.1	4.4
250	6.35	10.2	18.2	7.3	7.4	6.3	3.9	1.6	4.4	2.5	5.3
300	7.62	12.3	21.8	8.7	8.8	7.8	5.4	2.0	5.3	2.9	6.3
350	8.89	14.3	25.4	10.2	10.2	9.2	6.8	2.3	6.3	3.3	7.2
400	10.16	16.3	29.1	11.6	11.7	10.6	8.2	2.7	7.2	3.7	8.2
500	12.70	20.4	36.3	14.5	14.6	13.5	11.1	3.5	9.1	4.5	10.1
600	15.24	24.5	43.6	17.4	17.4	16.4	14.0	4.3	11.0	5.2	12.0



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

Projection Distance Calculation Table

Screen aspect ratio 16:9

Projection distance calculation formula

$$L1 \text{ (m)} = 0.008783 \times \text{Diagonal image size (inches)} + 0.02$$

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

DW17K/DW17K2

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000190 \times \text{SH} - 0.114 \\ \text{Max. A1 (m)} &= 0.000466 \times \text{SH} - 0.114 \end{aligned}$$

ET-D75LE95 Projection Distance Table

DW11K

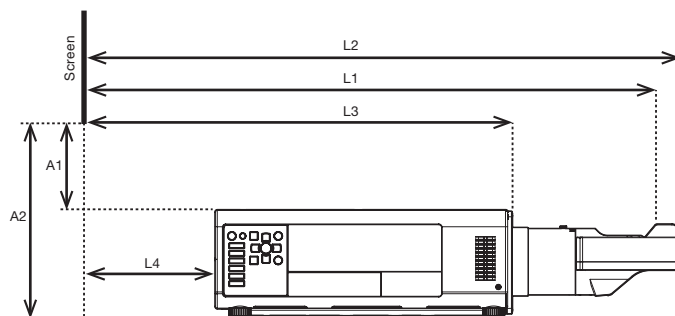
16 : 9 (WXGA ; 1366 × 768)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.40:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.49	2.66	1.07	1.10	0.78	0.24	0.18	0.60	0.38	0.80
150	3.81	1.87	3.32	1.34	1.37	1.05	0.51	0.26	0.77	0.46	0.97
200	5.08	2.49	4.43	1.78	1.81	1.48	0.94	0.37	1.06	0.57	1.26
250	6.35	3.11	5.54	2.22	2.24	1.92	1.38	0.49	1.35	0.69	1.55
300	7.62	3.74	6.64	2.66	2.68	2.36	1.82	0.61	1.64	0.81	1.84
350	8.89	4.36	7.75	3.09	3.12	2.80	2.26	0.73	1.93	0.93	2.13
400	10.16	4.98	8.86	3.53	3.56	3.24	2.70	0.85	2.22	1.05	2.42
500	12.70	6.23	11.07	4.41	4.44	4.12	3.58	1.08	2.80	1.28	3.00
600	15.24	7.47	13.28	5.29	5.32	5.00	4.46	1.32	3.38	1.52	3.58

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.40:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	4.9	8.7	3.5	3.6	2.6	0.8	0.6	2.0	1.3	2.6
150	3.81	6.1	10.9	4.4	4.5	3.4	1.7	0.8	2.5	1.5	3.2
200	5.08	8.2	14.5	5.8	5.9	4.9	3.1	1.2	3.5	1.9	4.1
250	6.35	10.2	18.2	7.3	7.4	6.3	4.5	1.6	4.4	2.3	5.1
300	7.62	12.3	21.8	8.7	8.8	7.8	6.0	2.0	5.4	2.7	6.0
350	8.89	14.3	25.4	10.2	10.2	9.2	7.4	2.4	6.3	3.0	7.0
400	10.16	16.3	29.1	11.6	11.7	10.6	8.9	2.8	7.3	3.4	7.9
500	12.70	20.4	36.3	14.5	14.6	13.5	11.7	3.6	9.2	4.2	9.8
600	15.24	24.5	43.6	17.4	17.4	16.4	14.6	4.3	11.1	5.0	11.8



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

Projection Distance Calculation Table

Screen aspect ratio 16:9

Projection distance calculation formula

$$L1 \text{ (m)} = 0.008783 \times \text{Diagonal image size (inches)} + 0.02$$

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

DW11K

Min. A1 (m) = 0.000190 × SH - 0.100
 Max. A1 (m) = 0.000466 × SH - 0.100

ET-D75LE95 Projection Distance Table

RS30K

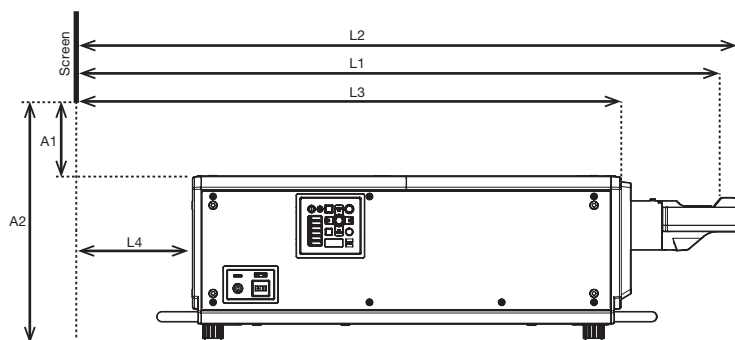
4 : 3 (SXGA ; 1400 × 1050)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.83	2.44	0.96	0.99	0.70	-0.37	0.18	0.25	0.60	0.67
150	3.81	2.29	3.05	1.20	1.23	0.94	-0.13	0.25	0.34	0.67	0.76
200	5.08	3.05	4.06	1.59	1.62	1.33	0.26	0.38	0.50	0.80	0.92
250	6.35	3.81	5.08	1.99	2.02	1.72	0.65	0.51	0.66	0.92	1.08
300	7.62	4.57	6.10	2.38	2.41	2.12	1.05	0.63	0.81	1.05	1.23
350	8.89	5.33	7.11	2.77	2.80	2.51	1.44	0.76	0.97	1.18	1.39
400	10.16	6.10	8.13	3.17	3.20	2.90	1.83	0.88	1.13	1.30	1.55
500	12.70	7.62	10.16	3.95	3.98	3.69	2.62	1.14	1.44	1.56	1.86
600	15.24	9.14	12.19	4.74	4.77	4.48	3.41	1.39	1.76	1.81	2.18

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	6.0	8.0	3.2	3.3	2.3	-1.2	0.6	0.8	2.0	2.2
150	3.81	7.5	10.0	3.9	4.0	3.1	-0.4	0.8	1.1	2.2	2.5
200	5.08	10.0	13.3	5.2	5.3	4.4	0.9	1.2	1.6	2.6	3.0
250	6.35	12.5	16.7	6.5	6.6	5.7	2.1	1.7	2.2	3.0	3.5
300	7.62	15.0	20.0	7.8	7.9	6.9	3.4	2.1	2.7	3.4	4.0
350	8.89	17.5	23.3	9.1	9.2	8.2	4.7	2.5	3.2	3.9	4.6
400	10.16	20.0	26.7	10.4	10.5	9.5	6.0	2.9	3.7	4.3	5.1
500	12.70	25.0	33.3	13.0	13.1	12.1	8.6	3.7	4.7	5.1	6.1
600	15.24	30.0	40.0	15.5	15.6	14.7	11.2	4.6	5.8	5.9	7.1



- 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

Projection Distance Calculation Table

Screen aspect ratio 4:3

Projection distance calculation formula

$$L1 \text{ (m)} = 0.007865 \times \text{Diagonal image size (inches)} + 0.02$$

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

RS30K

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000166 \times \text{SH} - 0.128 \\ \text{Max. A1 (m)} &= 0.000206 \times \text{SH} - 0.128 \end{aligned}$$

ET-D75LE90 Projection Distance Table

DS20K/DS20K2

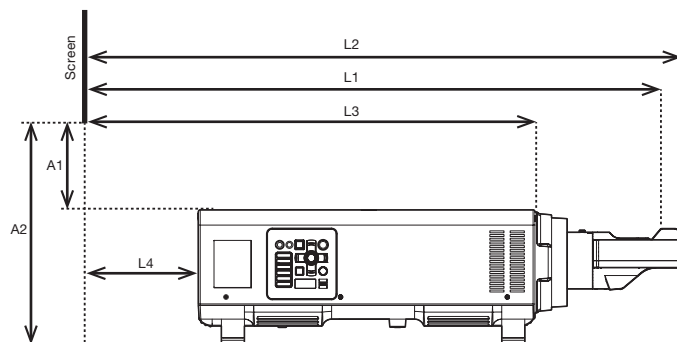
4 : 3 (SXGA ; 1400 × 1050)

Unit : meters

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.83	2.44	0.96	0.99	0.67	-0.06	0.14	0.26	0.43	0.55
150	3.81	2.29	3.05	1.20	1.23	0.91	0.18	0.20	0.36	0.50	0.65
200	5.08	3.05	4.06	1.59	1.62	1.30	0.57	0.31	0.51	0.60	0.81
250	6.35	3.81	5.08	1.99	2.02	1.69	0.96	0.42	0.67	0.71	0.96
300	7.62	4.57	6.10	2.38	2.41	2.09	1.36	0.52	0.83	0.81	1.12
350	8.89	5.33	7.11	2.77	2.80	2.48	1.75	0.63	0.99	0.92	1.28
400	10.16	6.10	8.13	3.17	3.20	2.87	2.14	0.73	1.14	1.02	1.43
500	12.70	7.62	10.16	3.95	3.98	3.66	2.93	0.95	1.46	1.24	1.75
600	15.24	9.14	12.19	4.74	4.77	4.45	3.72	1.16	1.77	1.45	2.06

Unit : feet

Ultra-short focal length lens ET-D75LE95 Close-up system dimensions											
Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	6.0	8.0	3.2	3.3	2.2	-0.2	0.5	0.9	1.4	1.8
150	3.81	7.5	10.0	3.9	4.0	3.0	0.6	0.7	1.2	1.6	2.1
200	5.08	10.0	13.3	5.2	5.3	4.3	1.9	1.0	1.7	2.0	2.6
250	6.35	12.5	16.7	6.5	6.6	5.6	3.2	1.4	2.2	2.3	3.2
300	7.62	15.0	20.0	7.8	7.9	6.8	4.5	1.7	2.7	2.7	3.7
350	8.89	17.5	23.3	9.1	9.2	8.1	5.7	2.1	3.2	3.0	4.2
400	10.16	20.0	26.7	10.4	10.5	9.4	7.0	2.4	3.7	3.4	4.7
500	12.70	25.0	33.3	13.0	13.1	12.0	9.6	3.1	4.8	4.1	5.7
600	15.24	30.0	40.0	15.5	15.6	14.6	12.2	3.8	5.8	4.8	6.8



- 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

Projection Distance Calculation Table

Screen aspect ratio 4:3

Projection distance calculation formula

$$L1 \text{ (m)} = 0.007865 \times \text{Diagonal image size (inches)} + 0.02$$

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

DS20K/DS20K2

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000139 \times \text{SH} - 0.114 \\ \text{Max. A1 (m)} &= 0.000206 \times \text{SH} - 0.114 \end{aligned}$$

ET-D75LE90 Projection Distance Table

DS12K

4 : 3 (SXGA ; 1400 × 1050)

Unit : meters

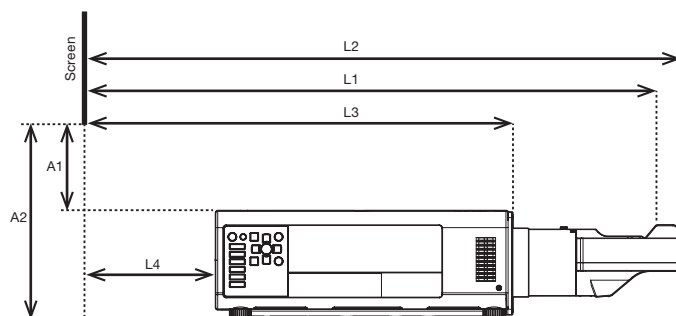
Ultra-short focal length lens ET-D75LE95
Close-up system dimensions

Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.83	2.44	0.96	0.99	0.67	0.13	0.15	0.28	0.35	0.48
150	3.81	2.29	3.05	1.20	1.23	0.91	0.37	0.22	0.37	0.42	0.57
200	5.08	3.05	4.06	1.59	1.62	1.30	0.76	0.32	0.53	0.52	0.73
250	6.35	3.81	5.08	1.99	2.02	1.69	1.15	0.43	0.68	0.63	0.88
300	7.62	4.57	6.10	2.38	2.41	2.09	1.55	0.54	0.84	0.74	1.04
350	8.89	5.33	7.11	2.77	2.80	2.48	1.94	0.64	1.00	0.84	1.20
400	10.16	6.10	8.13	3.17	3.20	2.87	2.33	0.75	1.16	0.95	1.36
500	12.70	7.62	10.16	3.95	3.98	3.66	3.12	0.96	1.47	1.16	1.67
600	15.24	9.14	12.19	4.74	4.77	4.45	3.91	1.17	1.78	1.37	1.98

Unit : feet

Ultra-short focal length lens ET-D75LE95
Close-up system dimensions

Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	6.0	8.0	3.2	3.3	2.2	0.4	0.5	0.9	1.2	1.6
150	3.81	7.5	10.0	3.9	4.0	3.0	1.2	0.7	1.2	1.4	1.9
200	5.08	10.0	13.3	5.2	5.3	4.3	2.5	1.1	1.7	1.7	2.4
250	6.35	12.5	16.7	6.5	6.6	5.6	3.8	1.4	2.2	2.1	2.9
300	7.62	15.0	20.0	7.8	7.9	6.8	5.1	1.8	2.8	2.4	3.4
350	8.89	17.5	23.3	9.1	9.2	8.1	6.4	2.1	3.3	2.8	3.9
400	10.16	20.0	26.7	10.4	10.5	9.4	7.7	2.5	3.8	3.1	4.4
500	12.70	25.0	33.3	13.0	13.1	12.0	10.2	3.1	4.8	3.8	5.5
600	15.24	30.0	40.0	15.5	15.6	14.6	12.8	3.8	5.9	4.5	6.5



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

Projection Distance Calculation Table

Screen aspect ratio 4:3

Projection distance calculation formula

$$L1 \text{ (m)} = 0.007865 \times \text{Diagonal image size (inches)} + 0.02$$

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

DS12K

Min. A1 (m) = 0.000139 × SH - 0.100
 Max. A1 (m) = 0.000206 × SH - 0.100

ET-D75LE90 Projection Distance Table

PT-RS20K/RS11K

4 : 3 (SXGA ; 1400 × 1050)

Unit : meters

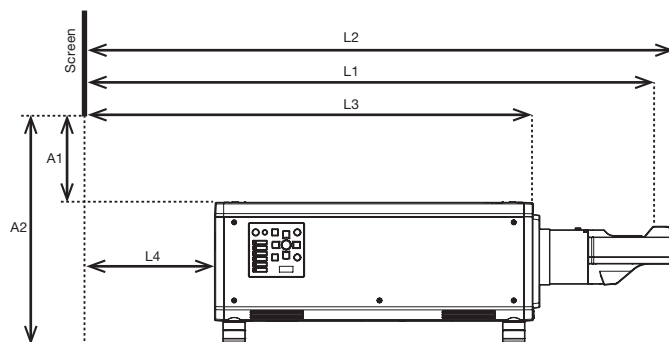
Ultra-short focal length lens ET-D75LE95
Close-up system dimensions

Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	1.83	2.44	0.96	0.99	0.67	-0.05	0.18	0.25	0.50	0.57
150	3.81	2.29	3.05	1.20	1.23	0.91	0.18	0.25	0.34	0.58	0.67
200	5.08	3.05	4.06	1.59	1.62	1.30	0.58	0.38	0.50	0.70	0.82
250	6.35	3.81	5.08	1.99	2.02	1.69	0.97	0.50	0.66	0.83	0.98
300	7.62	4.57	6.10	2.38	2.41	2.09	1.36	0.63	0.81	0.95	1.14
350	8.89	5.33	7.11	2.77	2.80	2.48	1.76	0.76	0.97	1.08	1.29
400	10.16	6.10	8.13	3.17	3.20	2.87	2.15	0.88	1.13	1.21	1.45
500	12.70	7.62	10.16	3.95	3.98	3.66	2.94	1.14	1.44	1.46	1.77
600	15.24	9.14	12.19	4.74	4.77	4.45	3.72	1.39	1.76	1.71	2.08

Unit : feet

Ultra-short focal length lens ET-D75LE95
Close-up system dimensions

Throw ratio				0.39:1	From tip of lens to screen (L2)	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)	
Diagonal image size (Inches)	Diagonal image size (m)	Height (SH)	Width (SW)	Projection distance (From mirror reflective surface to screen) (L1)				Min	Max	Min	Max
120	3.05	6.0	8.0	3.2	3.3	2.2	-0.2	0.6	0.8	1.6	1.9
150	3.81	7.5	10.0	3.9	4.0	3.0	0.6	0.8	1.1	1.9	2.2
200	5.08	10.0	13.3	5.2	5.3	4.3	1.9	1.2	1.6	2.3	2.7
250	6.35	12.5	16.7	6.5	6.6	5.6	3.2	1.7	2.2	2.7	3.2
300	7.62	15.0	20.0	7.8	7.9	6.8	4.5	2.1	2.7	3.1	3.7
350	8.89	17.5	23.3	9.1	9.2	8.1	5.8	2.5	3.2	3.5	4.2
400	10.16	20.0	26.7	10.4	10.5	9.4	7.1	2.9	3.7	4.0	4.8
500	12.70	25.0	33.3	13.0	13.1	12.0	9.6	3.7	4.7	4.8	5.8
600	15.24	30.0	40.0	15.5	15.6	14.6	12.2	4.6	5.8	5.6	6.8



L1: Projection distance
(from screen to mirror reflective surface)
 L2: From screen to tip of lens
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 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

Projection Distance Calculation Table

Screen aspect ratio 4:3

Projection distance calculation formula

$$L1 \text{ (m)} = 0.007865 \times \text{Diagonal image size (inches)} + 0.02$$

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

PT-RS20K/RS11K

$$\begin{aligned} \text{Min. A1 (m)} &= 0.000166 \times \text{SH} - 0.128 \\ \text{Max. A1 (m)} &= 0.000206 \times \text{SH} - 0.128 \end{aligned}$$