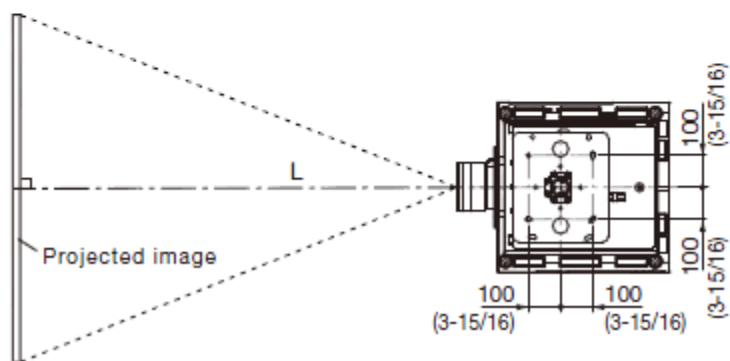
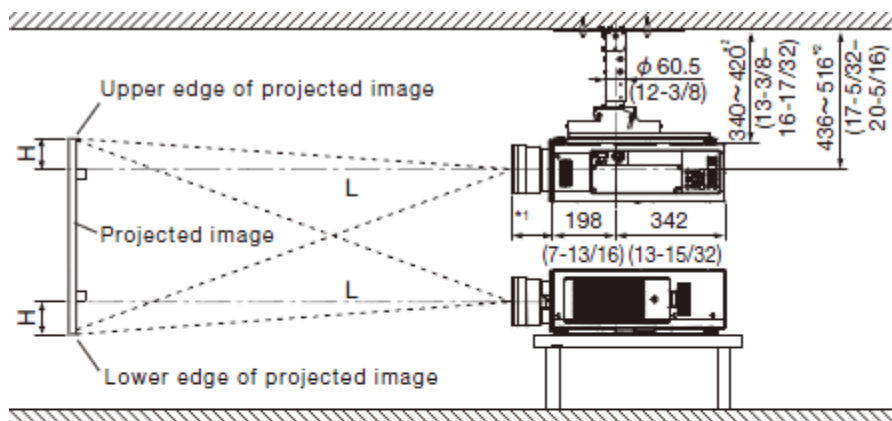


PT-DZ13K/DZ10K

Standard setting-up positions



- unit: mm (inch)
- L: Distance to screen
H: Height from the edge of screen to center of lens
- *1 When the lens protrudes to the maximum.
212 mm (8-11/32) with the ET-D75LE6
125 mm (4-29/32) with the ET-D75LE10
121 mm (4-3/4) with the ET-D75LE20
121 mm (4-3/4) with the ET-D75LE30
124 mm (4-7/8) with the ET-D75LE40
254 mm (10) with the ET-D75LE8
203 mm (8) with the ET-D75LE50
- *2 Adjustable in 40 mm (1-9/16) steps.

NOTE:

Illustrations show the projector installed using optional ceiling mount bracket ET-PKD310H and an optional lens.

This illustration is not drawn to scale.

Caution:

- All construction work should be done by a qualified technician.

- When mounting to the ceiling, use the special mounting bracket. Furthermore, in order to prevent it from falling down from the ceiling, use the supplied wire on the mounting bracket.

Projection distance (screen aspect ratio 16:10)

Unit: meters																
Screen size (diagonal) [m] / [in]	Distance to screen (L)												Height from the edge of screen to center of lens (H)			
	Zoom												Fixed-focus		Zoom lenses Except ET-D75LE6	
	ET-D75LE6 Zoom lens		ET-D75LE10 Zoom lens		ET-D75LE20 Zoom lens		ET-D75LE30 Zoom lens		ET-D75LE40 Zoom lens		ET-D75LE8 Zoom lens		ET-D75LE50 Fixed-focus lens			Fixed- focus lens
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.				
1.78 / 70	1.35	1.62	1.90	2.46	2.46	3.58	3.56	6.94	6.87	11.05	10.78	20.56	1.01	-0.05 – 0.99	0.06 – 0.89	0.47
2.03 / 80	1.56	1.86	2.19	2.83	2.83	4.11	4.08	7.96	7.88	12.65	12.38	23.55	1.16	-0.05 – 1.13	0.07 – 1.01	0.54
2.29 / 90	1.76	2.10	2.47	3.20	3.19	4.64	4.61	8.98	8.88	14.25	13.97	26.54	1.32	-0.06 – 1.27	0.07 – 1.14	0.61
2.54 / 100	1.96	2.34	2.76	3.56	3.55	5.17	5.13	9.99	9.88	15.85	15.57	29.53	1.47	-0.07 – 1.41	0.08 – 1.27	0.67
3.05 / 120	2.36	2.82	3.32	4.30	4.28	6.22	6.18	12.03	11.89	19.05	18.76	35.51	1.78	-0.08 – 1.70	0.10 – 1.52	0.81
3.81 / 150	2.96	3.55	4.18	5.40	5.37	7.81	7.75	15.08	14.90	23.85	23.54	44.47	2.24	-0.10 – 2.12	0.12 – 1.90	1.01
5.08 / 200	3.97	4.75	5.60	7.24	7.19	10.45	10.38	20.17	19.93	31.86	31.52	59.41	3.01	-0.14 – 2.83	0.16 – 2.53	1.35
6.35 / 250	4.98	5.96	7.02	9.07	9.01	13.09	13.00	25.25	24.95	39.86	39.49	74.36	3.78	-0.17 – 3.53	0.20 – 3.16	1.68
7.62 / 300	5.99	7.17	8.44	10.91	10.82	15.73	15.62	30.34	29.97	47.87	47.47	89.30	4.56	-0.20 – 4.24	0.24 – 3.80	2.02
10.16 / 400	8.00	9.58	11.28	14.58	14.46	21.01	20.86	40.51	40.01	63.87	63.42	119.19	6.10	-0.27 – 5.65	0.32 – 5.06	2.69
12.70 / 500	10.01	11.99	14.12	18.25	18.09	26.29	26.11	50.68	50.05	79.88	79.37	149.08	7.64	-0.34 – 7.07	0.40 – 6.33	3.37
15.24 / 600	12.03	14.40	16.96	21.93	21.73	31.58	31.35	60.85	60.09	95.89	95.32	178.96	9.18	-0.40 – 8.48	0.49 – 7.59	4.04
17.78 / 700	14.04	16.82	19.80	25.60	25.36	36.86	36.60	71.02	70.13	111.90	111.27	–	10.72	-0.47 – 9.90	0.57 – 8.86	4.71
20.32 / 800	16.06	19.23	22.64	29.27	29.00	42.14	41.84	81.19	80.17	127.91	127.23	–	12.27	-0.54 – 11.31	0.65 – 10.12	5.39
22.86 / 900	18.07	21.64	25.48	32.94	32.63	47.42	47.09	91.36	90.21	143.92	143.12	–	13.81	-0.61 – 12.72	0.73 – 11.39	6.06
25.40 / 1000	20.08	24.06	28.33	36.61	36.27	52.70	52.33	101.53	100.25	159.93	159.13	–	15.35	-0.67 – 14.14	0.81 – 12.65	6.73

NOTE:

- The value for L (distance to screen) varies slightly within $\pm 5\%$ depending on the zoom lens characteristics.
- At the shortest projection distance, the zoom lens characteristics may cause slight image distortion.
- When vertical keystone correction is used, the image is corrected in the direction that reduces its projected size.
- When the ET-D75LE50 is mounted, the optical lens shift function cannot be used.

Projection distance (screen aspect ratio 16:9)

Unit: meters

Screen size (diagonal)	Distance to screen (L)												Height from the edge of screen to center of lens (H)			
	Zoom												Fixed-focus		Zoom lenses	
	ET-D75LE6 Zoom lens		ET-D75LE10 Zoom lens		ET-D75LE20 Zoom lens		ET-D75LE30 Zoom lens		ET-D75LE40 Zoom lens		ET-D75LE8 Zoom lens		ET-D75LE50 Fixed-focus lens	Except ET-D75LE6	ET-D75LE6	Fixed- focus lens
[m] / [in]	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.				
1.78 / 70	1.39	1.66	1.96	2.53	2.53	3.68	3.66	7.14	7.07	11.36	11.09	21.14	1.04	-0.09 – 0.96	0.00 – 0.87	0.44
2.03 / 80	1.60	1.91	2.25	2.91	2.91	4.23	4.20	8.19	8.10	13.00	12.73	24.22	1.20	-0.10 – 1.10	0.00 – 1.00	0.50
2.29 / 90	1.81	2.16	2.54	3.29	3.28	4.77	4.74	9.23	9.13	14.65	14.37	27.29	1.36	-0.11 – 1.23	0.00 – 1.12	0.56
2.54 / 100	2.01	2.41	2.83	3.67	3.65	5.31	5.28	10.28	10.16	16.29	16.01	30.36	1.51	-0.13 – 1.37	0.00 – 1.25	0.62
3.05 / 120	2.43	2.90	3.42	4.42	4.40	6.40	6.36	12.37	12.23	19.58	19.29	36.50	1.83	-0.15 – 1.64	0.00 – 1.49	0.75
3.81 / 150	3.05	3.65	4.29	5.55	5.52	8.03	7.97	15.50	15.32	24.52	24.21	45.72	2.31	-0.19 – 2.06	0.00 – 1.87	0.93
5.08 / 200	4.08	4.89	5.76	7.44	7.39	10.74	10.67	20.73	20.48	32.75	32.40	61.08	3.10	-0.25 – 2.74	0.00 – 2.49	1.25
6.35 / 250	5.12	6.13	7.22	9.33	9.26	13.46	13.36	25.96	25.64	40.97	40.60	76.44	3.89	-0.31 – 3.42	0.00 – 3.11	1.56
7.62 / 300	6.15	7.37	8.68	11.21	11.13	16.17	16.06	31.18	30.80	49.20	48.80	91.79	4.68	-0.37 – 4.11	0.00 – 3.74	1.87
10.16 / 400	8.22	9.85	11.60	14.99	14.86	21.60	21.45	41.64	41.12	65.65	65.19	122.51	6.29	-0.50 – 5.48	0.00 – 4.98	2.49
12.70 / 500	10.29	12.33	14.52	18.76	18.60	27.03	26.84	52.09	51.44	82.11	81.59	153.23	7.85	-0.62 – 6.85	0.00 – 6.23	3.11
15.24 / 600	12.36	14.81	17.44	22.54	22.33	32.46	32.23	62.54	61.76	98.56	97.98	183.95	9.44	-0.75 – 8.22	0.00 – 7.47	3.74
17.78 / 700	14.43	17.29	20.36	26.31	26.07	37.89	37.62	73.00	72.09	115.02	114.38	–	11.02	-0.87 – 9.59	0.00 – 8.72	4.36
20.32 / 800	16.50	19.77	23.28	30.09	29.81	43.31	43.01	83.45	82.45	131.47	130.77	–	12.61	-1.00 – 10.96	0.00 – 9.96	4.98
22.86 / 900	18.57	22.25	26.20	33.86	33.54	48.74	48.40	93.90	92.73	147.92	147.17	–	14.19	-1.12 – 12.33	0.00 – 11.21	5.60
25.40 / 1000	20.64	24.73	29.12	37.64	37.28	54.17	53.79	104.36	103.05	164.38	163.56	–	15.78	-1.25 – 13.70	0.00 – 12.45	6.23

NOTE:

- The value for L (distance to screen) varies slightly within $\pm 5\%$ depending on the zoom lens characteristics.
- At the shortest projection distance, the zoom lens characteristics may cause slight image distortion.
- When vertical keystone correction is used, the image is corrected in the direction that reduces its projected size.
- When the ET-D75LE50 is mounted, the optical lens shift function cannot be used.

Calculation of the projection distance

For a screen size different from the above, use the equation below to calculate the projection distance.

Aspect ratio **16 : 10**

Zoom lenses

ET-D75LE6	minimum maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0201 - 0.0566$ $L (m) = (\text{diagonal screen size in inches}) \times 0.0241 - 0.0736$
ET-D75LE10	minimum maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0284 - 0.0857$ $L (m) = (\text{diagonal screen size in inches}) \times 0.0367 - 0.1085$

ET-D75LE20	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0364 - 0.0832$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0528 - 0.1162$
ET-D75LE30	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0524 - 0.1131$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.1017 - 0.1765$
ET-D75LE40	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.1004 - 0.1577$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.1601 - 0.1615$
ET-D75LE8	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.1595 - 0.3862$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.2989 - 0.3598$

Fixed-focus lens

ET-D75LE50		$L (m) = (\text{diagonal screen size in inches}) \times 0.0154 - 0.0713$
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Aspect ratio **16 : 9**

Zoom lenses

ET-D75LE6	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0207 - 0.0566$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0248 - 0.0736$
ET-D75LE10	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0292 - 0.0857$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0377 - 0.1085$
ET-D75LE20	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0374 - 0.0832$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0543 - 0.1162$
ET-D75LE30	minimum	$L (m) = (\text{diagonal screen size in inches}) \times 0.0539 - 0.1131$
	maximum	$L (m) = (\text{diagonal screen size in inches}) \times 0.1045 - 0.1765$

ET-D75LE40	minimum	$L\text{ (m)} = (\text{diagonal screen size in inches}) \times 0.1032 - 0.1577$
	maximum	$L\text{ (m)} = (\text{diagonal screen size in inches}) \times 0.1645 - 0.1615$

ET-D75LE8	minimum	$L\text{ (m)} = (\text{diagonal screen size in inches}) \times 0.1640 - 0.3862$
	maximum	$L\text{ (m)} = (\text{diagonal screen size in inches}) \times 0.3072 - 0.3598$

Fixed-focus lens

ET-D75LE50	$L\text{ (m)} = (\text{diagonal screen size in inches}) \times 0.0159 - 0.0713$
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NOTE:

Distances calculated with the above equations will include slight deviations.