

Throw Distance Calculator

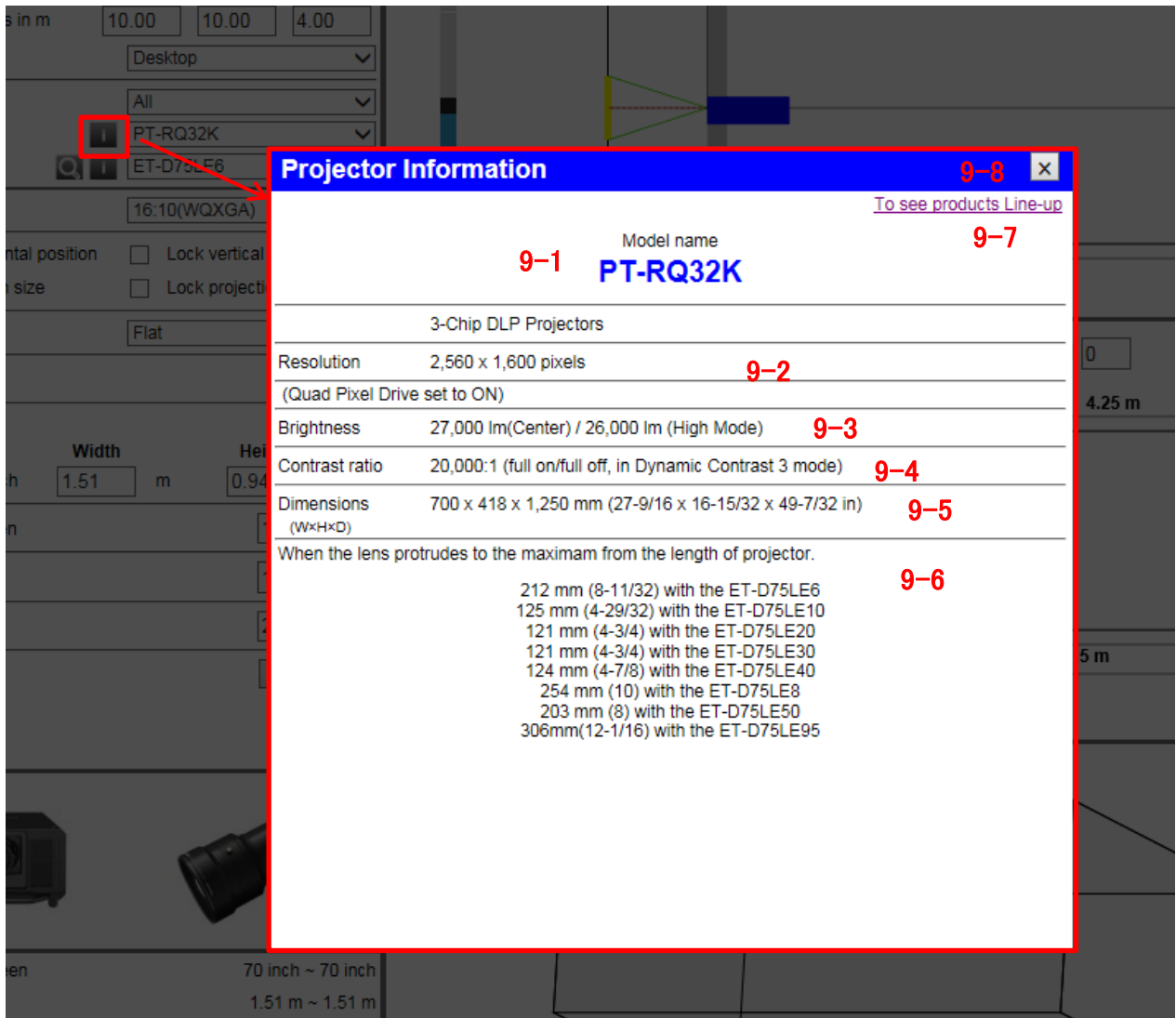
Throw Distance Calculator

Version 2.01

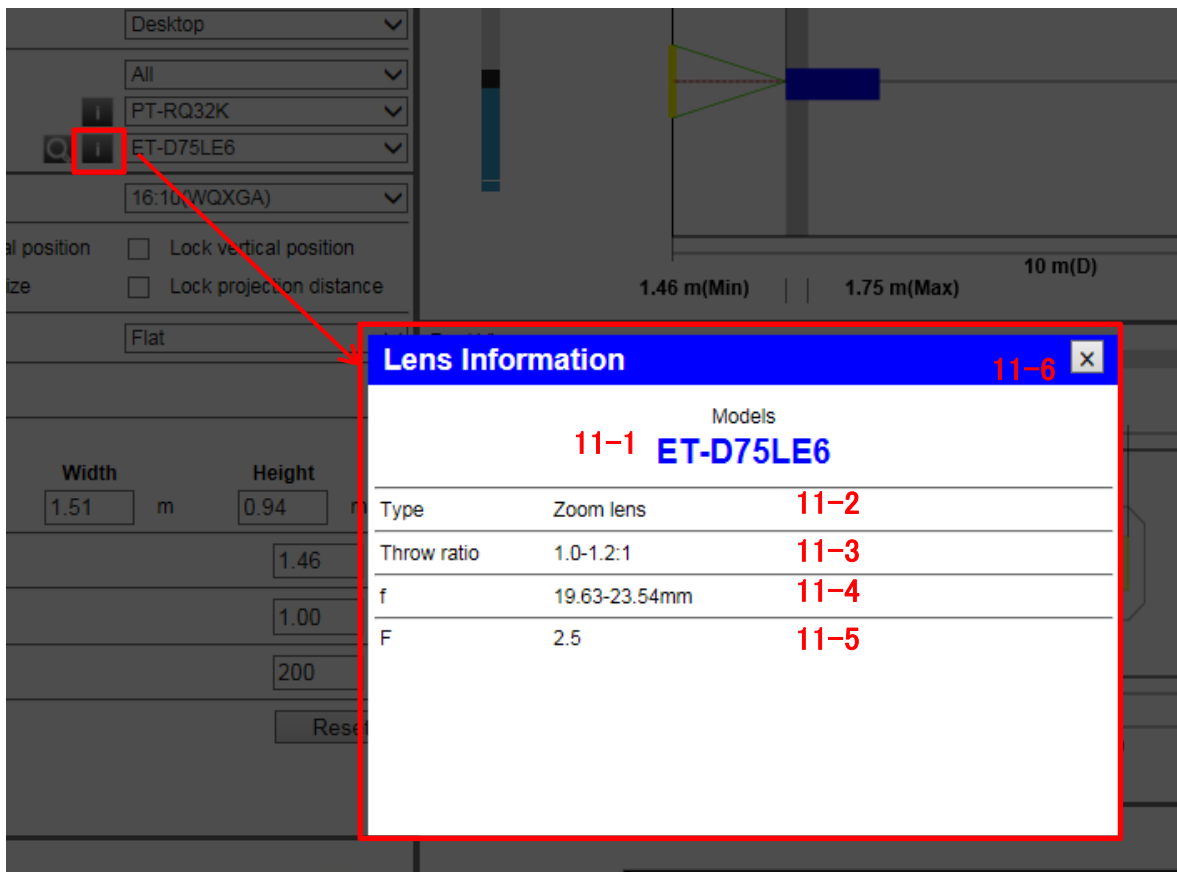
The screenshot shows the software interface with the following elements and callouts:

- 1**: Language selection (English selected, Japanese unselected)
- 2**: Help button
- 3**: Unit selection (m selected, ft and inch unselected)
- 4**: Print button
- 5**: Room dimensions input fields (depth: 10.00, width: 10.00, height: 4.00)
- 6**: Installation place dropdown (Desktop selected)
- 7**: Model type dropdown (All selected)
- 8**: Model name dropdown (PT-RQ32K selected)
- 9**: Model information button (i icon)
- 10**: Lenses dropdown (ET-D75LE6 selected)
- 11**: Lens search button (Q icon)
- 12**: Lens information button (I icon)
- 13**: Aspect ratio dropdown (16:10(WQXGA) selected)
- 14**: Lock options (Lock horizontal position, Lock vertical position, Lock screen size, Lock projection distance)

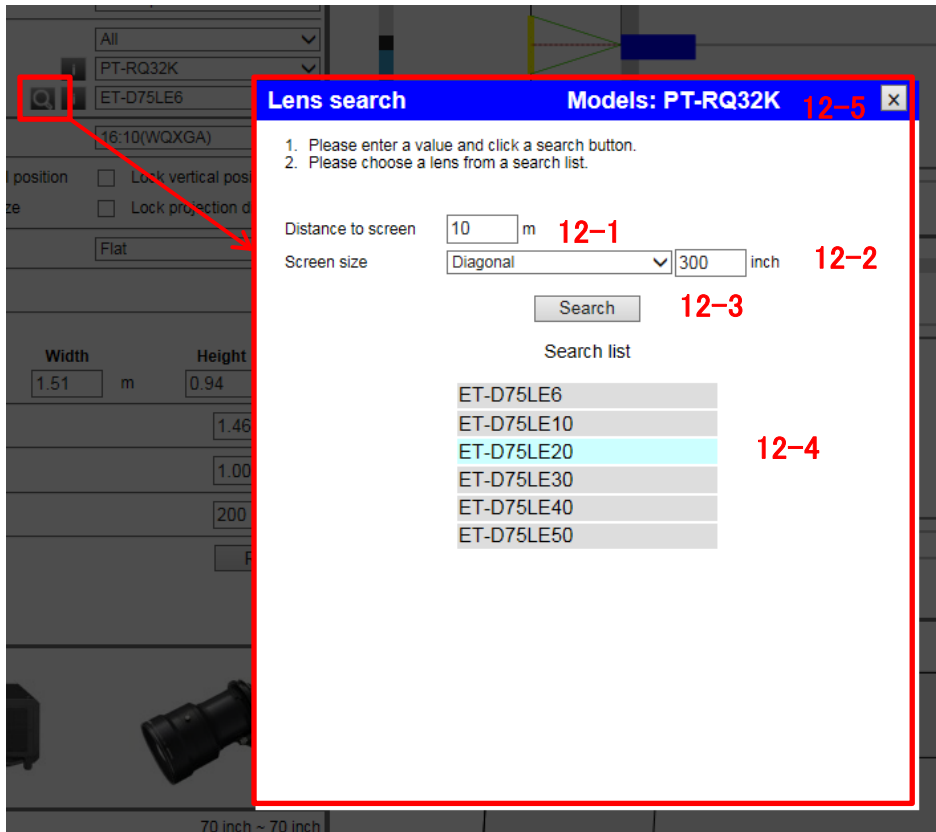
1	Language	Switch between Japanese and English.
2	Help button	Display this help file.
3	Unit	Convert units of length (meters, feet and inches).
4	Print button	Call up printing browser's printing function.
5	Room dimensions	Set the depth, width and height of the room.
6	Installation place	Set floor placement and ceiling height. Portrait can be selected depending on selected projector model number.
7	Model type	Select projector category.
8	Model name	Select projector model number for selected category.
9	Model information	Press button to display information on selected projector.
10	Lenses	For projectors compatible with optional lenses, optional lens model number can be selected.
11	Lens search	Press this button to display lens search screen. Compatible optional lens can be searched using projection distance and screen size.
12	Lens information	Press this button to display information on the selected model number.
13	Aspect	Set aspect to project image.
14	Lock	Fix projector position, screen size, and fixed projection distance.



9-1	Projector model number
9-2	Resolution
9-3	Brightness
9-4	Contrast
9-5	Size
9-6	At maximum lens extension
9-7	Button links to Panasonic projector website
9-8	Button to close projector information window



11-1	Lens model number
11-2	Lens type
11-3	Throw ratio
11-4	f value
11-5	F value
11-6	Button to close lens information window



12-1	Projection distance input field
12-2	Screen size input field
12-3	Lens search button
12-4	Search results list or select lens
12-5	Button to close lens search window

15 Simulation type Flat

16 Screen size

Diagonal	Width	Height
70 inch	1.51 m	0.94 m


17 Distance to screen 1.46 m

18 Screen gain 1.00




19 Ambient light 200 lux

20 Reset

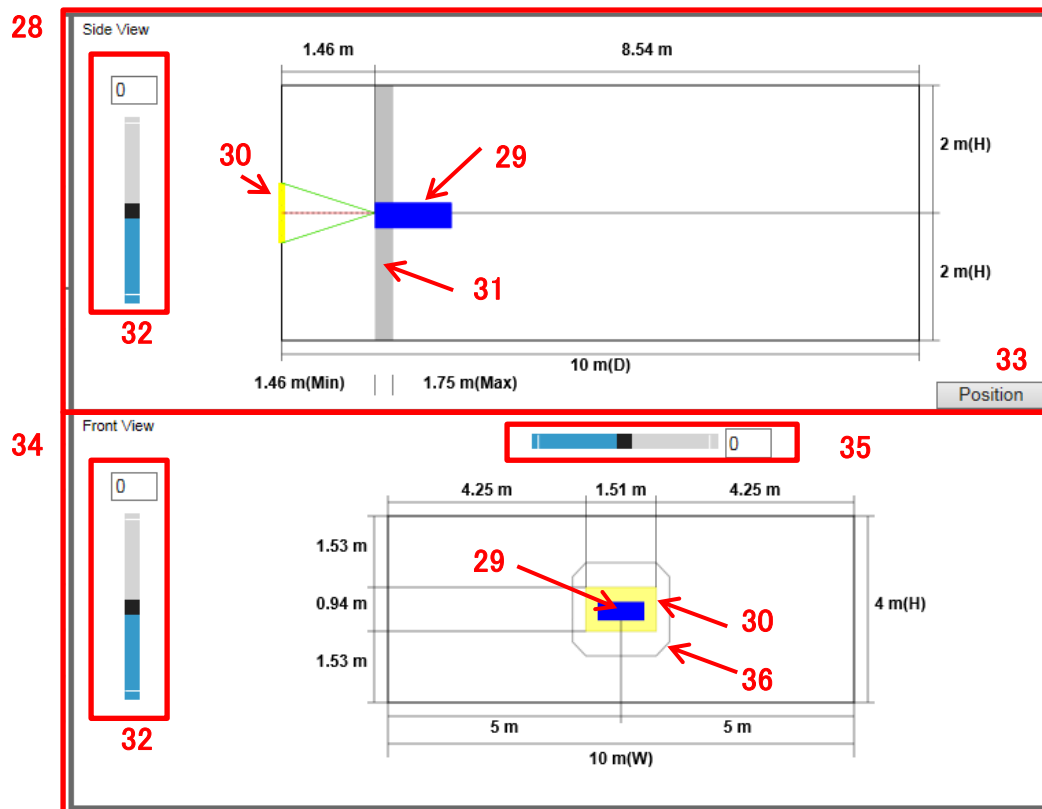
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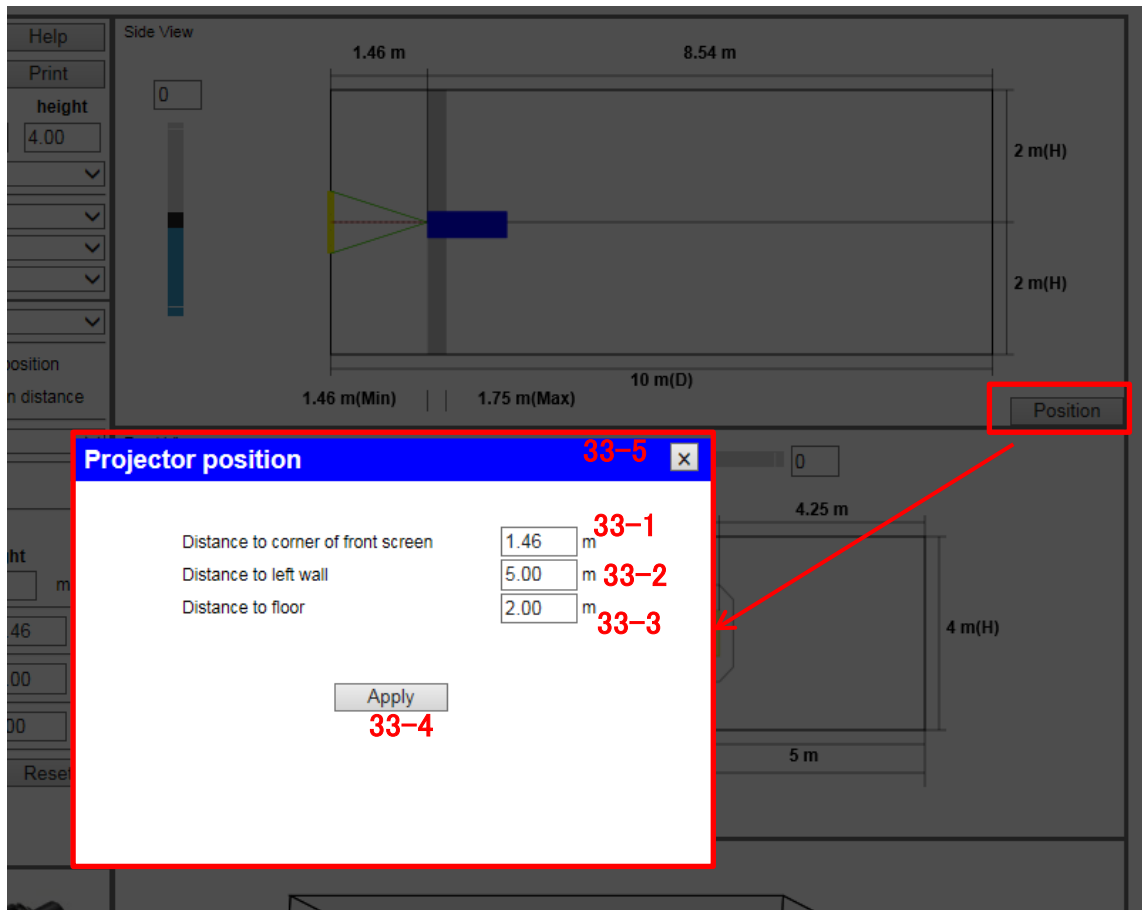
15	Simulation type	Depending on the projector you have selected, you can select top/bottom oblique projection onto a flat screen, left/right oblique projection, projection to a vertical curve screen, or projection to a horizontal curve screen. When you select diagonal projection, the angle setting text box will be displayed. When you choose to project to a curved screen, the text box to set the length of the curve depth will be displayed. If the value is outside the specifications of the projector, the text box will turn red.
16	Screen size	You can set the screen size. However, it cannot be set if a box for fixed screen size or fixed projection distance is checked. If the simulation type is other than flat, it is equivalent to the value when projecting at right angles to the flat screen.
17	Distance to screen	You can set the projection distance. However, it cannot be set if a box for fixed screen size or fixed projection distance is checked.
18	Screen gain	You can set the reflection characteristics screen gain. When you set it, it will be reflected in calculation of screen brightness (center).
19	Ambient light	You can set ambient light in the center of the screen. The unit is lux. When you set it, it will be reflected in calculation of screen contrast (center).
20	Reset button	When you press the button, the Aspect, Lock, Simulation type, Screen size, Distance to screen, Screen gain, Ambient light, Projector position, Lens shift are the initial values.
21	Product images	Display product images.

22	Size of screen	70 inch ~ 70 inch
	Width	1.51 m ~ 1.51 m
	Height	0.94 m ~ 0.94 m
23	Distance to screen(Min~Max)	1.46 m ~ 1.75 m
24	Projector brightness(Center)	27000 lumens
	Projector brightness	26000 lumens
25	 Screen illuminance(Center)	19003 lux
26	 Screen luminance(Center)	5825 cd/m ²
27	 Screen contrast(Center)	96:1


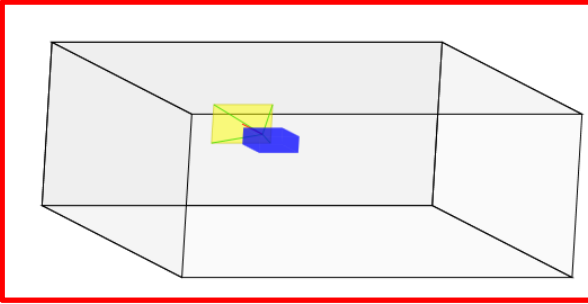

22	Report: Screen size	Displays screen sizes that can be projected, based on the setting position of the projector. If the simulation type is other than flat, it is equivalent to the value when projecting at right angles to a flat screen.
23	Report: Distance to screen	Displayable projection distance based on screen size is displayed. If the simulation type is other than flat, it is equivalent to the value when projecting at right angles to a flat screen.
24	Report: Projector brightness	Displays brightness specifications of the projector.
25	Report: Screen illuminance (Center)	Displays the illuminance at the center of the screen. The unit is lux. Calculate the illuminance value based on the brightness of the projector specs and the projection distance. Actual screen illuminance varies depending on usage conditions and environment.
26	Report: Screen luminance (Center)	Displays the illuminance value at the center of the screen. The unit is cd/m ² . Calculate the illuminance value based on the brightness of the projector specs, the projection distance and the input screen gain. Actual screen illuminance varies depending on usage conditions and environment.
27	Report: Screen contrast (Center)	Displays the contrast on the screen at the center of the screen. When you mouse over the “i” icon, a reference image of screen contrast is displayed. The image is for reference only, and may differ from the actual contrast. Calculate the contrast based on the brightness and contrast ratio of the projector specs, the projection distance, and the input ambient light. Actual screen contrast varies depending on usage conditions and environment.



28	Side view	An image diagram showing the projector and the room directly from the side.
29	Projector	This represents the projector. It is different from the actual shape and size. Depending on the browser type, you can move it with the mouse.
30	Projection image	The range of the projection screen.
31	Lens zoom area	The range of the projection distance that makes the same screen size using lens zoom.
32	Vertical lens shift	Lens shift setting in the vertical direction. If it is set outside the lens shift range, the text box will be displayed in red.
33	Position button	Opens the projector's position setting window. The position setting window of the projector can be used to input the position of the projector numerically.
34	Front view	Image view of the projector and the room seen from the back of the projector.
35	Horizontal lens shift	Lens shift setting in the horizontal direction. If it is set outside the lens shift range, the text box will be displayed in red.
36	Lens shift area	Indicates the lens shift range. If it is set outside the lens shift range, the lens shift frame will be displayed in red.



33-1	<p>Projector and depth distance input field</p> <p>If the simulation type is other than flat, it is the distance in the depth direction from the corner of the front wall to the projector.</p>
33-2	Distance input field from left wall
33-3	Distance input field from floor
33-4	<p>Apply button</p> <p>Closes the projector position window reflecting the value.</p>
33-5	Button to close projector position setting window

		3D View		
Size of screen	70 inch ~ 70 inch	37		
Width	1.51 m ~ 1.51 m			
Height	0.94 m ~ 0.94 m			
Distance to screen(Min-Max)	1.46 m ~ 1.75 m			
Projector brightness(Center)	27000 lumens			
Projector brightness	26000 lumens			
Screen illuminance(Center)	19003 lux			
Screen luminance(Center)	5825 cd/m ²			
Screen contrast(Center)	96:1			

NOTE:

- The calculated values may vary depending on usage and ambient conditions.
- Calculator accuracy: ±5%(for all values except projector output and screen luminance).
- The scale of projector is not accurate.
- The calculation result is from the lens center of projector.
- Lens layout varies dependent on projector.

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37	3D View	Image of the projector and the room looking diagonally or from directly above.
38	View point button	When you select the 3D view, the image viewed from the diagonal is displayed. When top view is selected, the image viewed from directly above is displayed.
39	Note	Displays notifications.