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New Optional Lens for 3-Chip DLP Projector

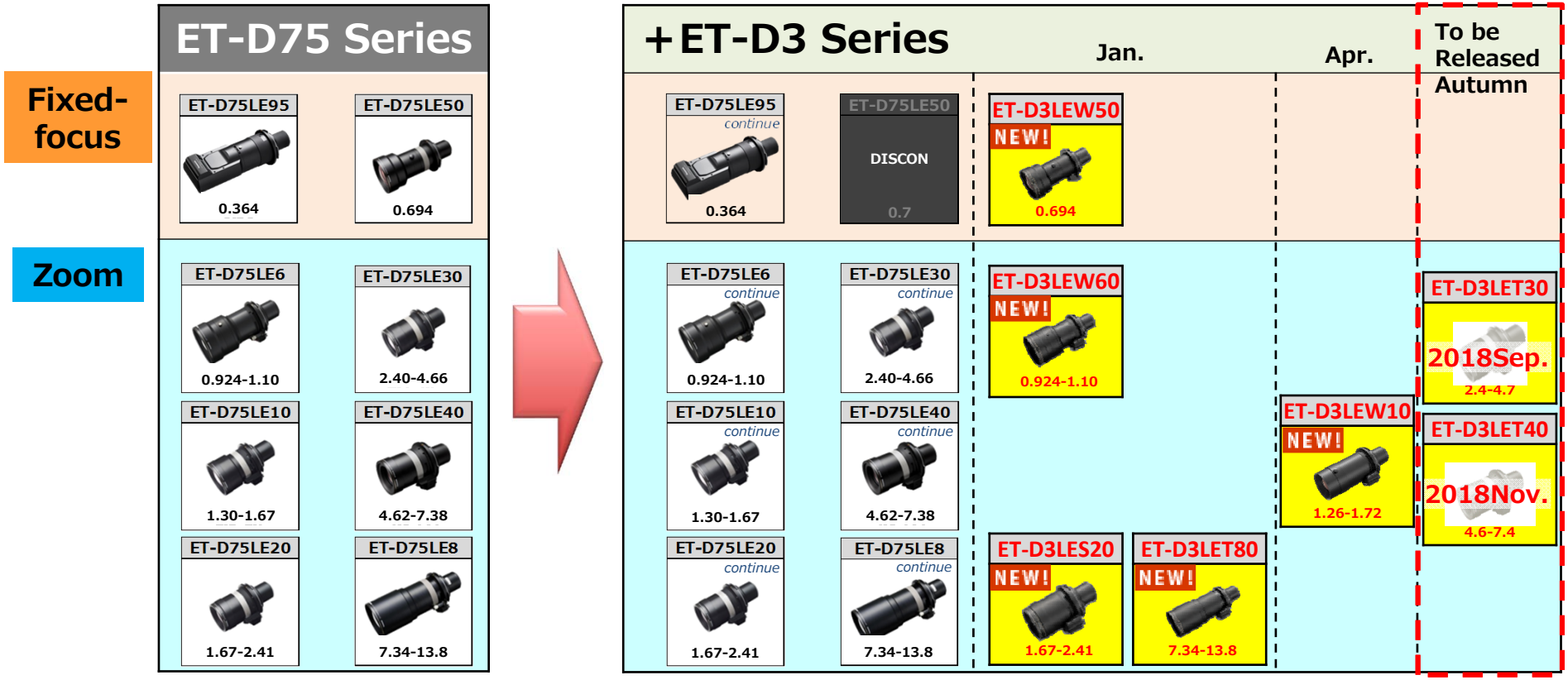
Fixed-focus lens
ET-D3LEW50

Zoom lens
ET-D3LEW60/LEW10/LES20/
LET30/LET40/LET80

3-Chip DLP Projector Optional Lens Chart

ET-D75 Series
ET-D3 Series

In case of RZ31K/RZ21K (16:10)



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①High Accuracy / Speed UP

ET-D3 Series

Stepping Motor

Reproducibility of zoom position and Improved zoom operation speed by stepping motor

Accurate zoom position control

・**Adjustable to the correct zoom position**
Example: When operating 100 times,
zoom position accuracy within 1 pixel

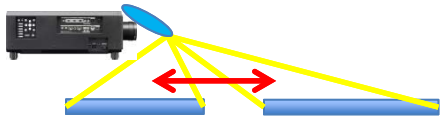
About 1.5 times the zoom speed※1

・Reduced switching time for multiple screens
・Improvement of zoom followability
when using mirror system

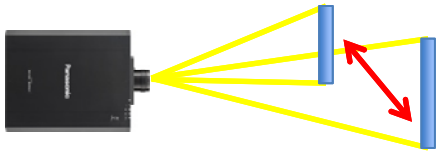
	ET-D75 series	ET-D3 series
Lens shift	Digital	Digital
Focus	Digital	Digital
Zoom	Analog	Digital
Compatible models	RQ13K/RZ12K DZ21K2	RQ32K/RZ31K RQ22K/RZ21K

Examples of using stepping motors

Movement of projection location by mirror system



Switch to multiple screens



Applications of using stepping motors

※1 Compared to ET-D75 Series(DC motor)

②Easy Lens Setting

ET-D3 Series

Auto Lens Identification function

Easy lens setting by Auto Lens Identification function

Information on the lens

・When LENS TYPE and LENS INFORMATION are written, automatically acquire information and reduce on-site labor

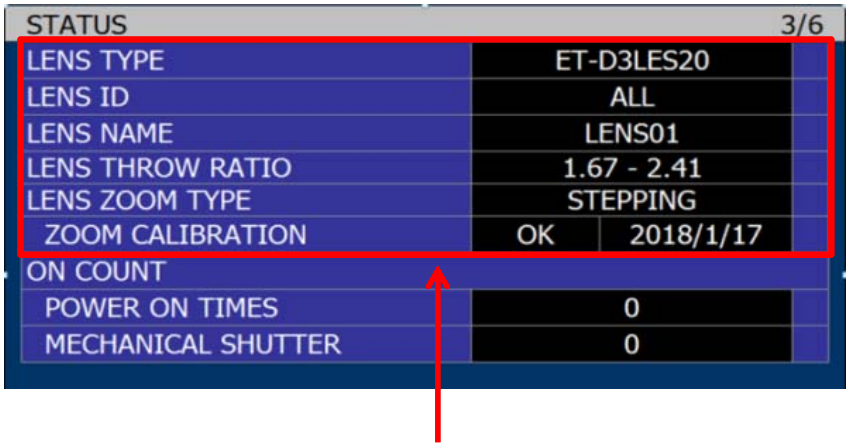
ID setting and name assignment

・It is possible to prevent confusion with other lenses by giving individual identification information (ID) or name of the lens

Support Active Focus Optimizer

・You can store the adjustment value of the Active Focus Optimizer function ※1 that can reduce focus shift

When using Auto Lens Identification function OSD ※2 image



When LENS INFORMATION is written in advance, it automatically acquires information and ID and it becomes unnecessary to set on OSD ※2.

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※1 Function to reduce focus drift due to focus shift before and after shutter function and change in brightness of image
※2 On Screen Display

③Optimum focus balance adjustment

Peripheral focus adjustment function

The focus balance between the center and the periphery of the screen is adjustable, no matter how big or small the screen.

Focus optimum for screen size

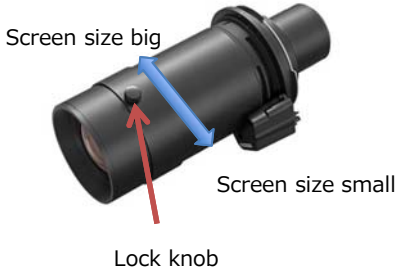
・Adjustable to the optimum focus balance according to screen size
・Adjustable when using curved screen※1

Peripheral focus can be adjusted

・Focus balance with the periphery can be adjusted with the focus at the center of the screen fixed

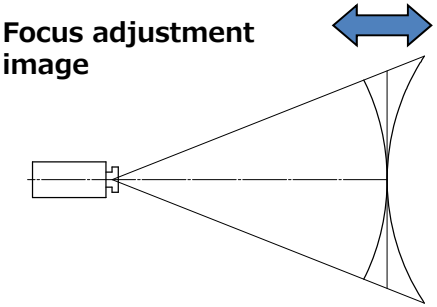
<Installed lens※2>
・ET-D3LEW50
・ET-D3LEW60
・ET-D3LEW10

Lens body image



Peripheral focus adjustment function usage scene

Focus adjustment image



Focus balance can be adjusted with the periphery after focusing on the center of the screen

※1 There is a limit depending on the radius of curvature.
※2 It is also installed in ET-D75LE95 / LE6.

Difference between ET-D75 and D3 series

ET-D75 Series
ET-D3 Series

3-Chip DLP Projector Optional Lens

Change point from ET-D75 series (current lens) to ET-D3 series (new lens)

		Model Number	Throw ratio	Design	①High Accuracy / Speed UP	②Easy Lens Setting
Fixed-focus	Current	ET-D75LE50	-	Gold color line One → 	-	—
	New	ET-D3LEW50	Same the current lens	Gold color line Two → 	-	✓
Zoom	Current	ET-D75LE60 ET-D75LE20 ET-D75LE80	-	Gold color line One → 	△ ※Optional stepping motor kit (ET-D75MKS10) is required.	
		ET-D75LE30 ET-D75LE40 ET-D75LE10				
	New	ET-D3LEW60 ET-D3LES20 ET-D3LET80	Same the current lens	Gold color line Two → 	✓	
		ET-D3LET30 ET-D3LET40				
		ET-D3LEW10	Extended to 1.26-1.72			

List of Compatible 3-Chip Projector

ET-D3 Series

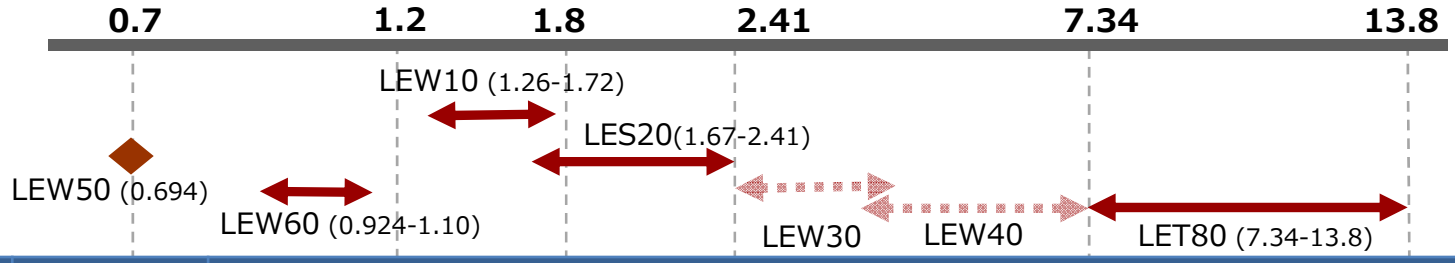
	Projector Product Number / New Lens Product Number (TR) ※1	 RQ32K RZ31K RS30K	 RZ21K RS20K	 RQ13K RZ12K RS11K	 DZ21K2 DS20K2 DW17K2 DZ16K2	 DZ13K DS12K DW11K DZ10K
Fixed-focus	ET-D3LEW50 (0.694 : 1)	✓ ※2	✓	✓ ※3	✓ ※3	✓ ※3
Zoom	ET-D3LEW60 (0.924-1.10 : 1)	✓ ※2	✓	△ ※4	△ ※4	△ ※4
	ET-D3LEW10 (1.26-1.72 : 1)	✓ ※2	✓	△ ※4	△ ※4	△ ※4
	ET-D3LES20 (1.67-2.41 : 1)	✓ ※2	✓	△ ※4	△ ※4	△ ※4
	ET-D3LET80 (7.34-13.8 : 1)	✓ ※2	✓	△ ※4	△ ※4	△ ※4

※1 In case of RZ31K/RZ21K (16:10)
※2 If main version of the firmware is the version number shown below, update to the latest firmware before use.
- PT-RQ32K / PT-RZ31K / PT-RS30K: Earlier than 3.00, - PT-RZ21K / PT-RS20K: Earlier than 2.00
For details on the update procedure, refer to the latest firmware information on the Panasonic website (https://panasonic.net/cns/projector/pass/).
The main version of the firmware can be checked in the [STATUS] screen.
※3 Auto Lens Identification Function Not available.
※4 The necessary parts for handling are treated as service parts. For details please consult your sales representative.

Throw Ratio Chart for New Optional Lens

ET-D3 Series

In case of RZ31K/RZ21K (16:10)



	Fixed-focus	Zoom					
Product number	ET-D3LEW50	ET-D3LEW60	ET-D3LEW10	ET-D3LES20	ET-D3LEW30	ET-D3LEW40	ET-D3LET80
Design					2018Sep.	2018Nov.	
RQ32K	0.746:1	0.991-1.18:1	1.35-1.84:1	1.79-2.59:1	T.B.D	T.B.D	7.87-14.8:1
RZ31K/ RZ21K	0.694:1	0.924-1.10:1	1.26-1.72:1	1.67-2.41:1	2.4-4.7	4.6-7.4	7.34-13.8:1
RS30K/ RS20K	0.752:1	1.01-1.19:1	1.37-1.86:1	1.80-2.61:1	T.B.D	T.B.D	7.95-14.9:1

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Ultra-high brightness support

LEW10 LET30 LET40

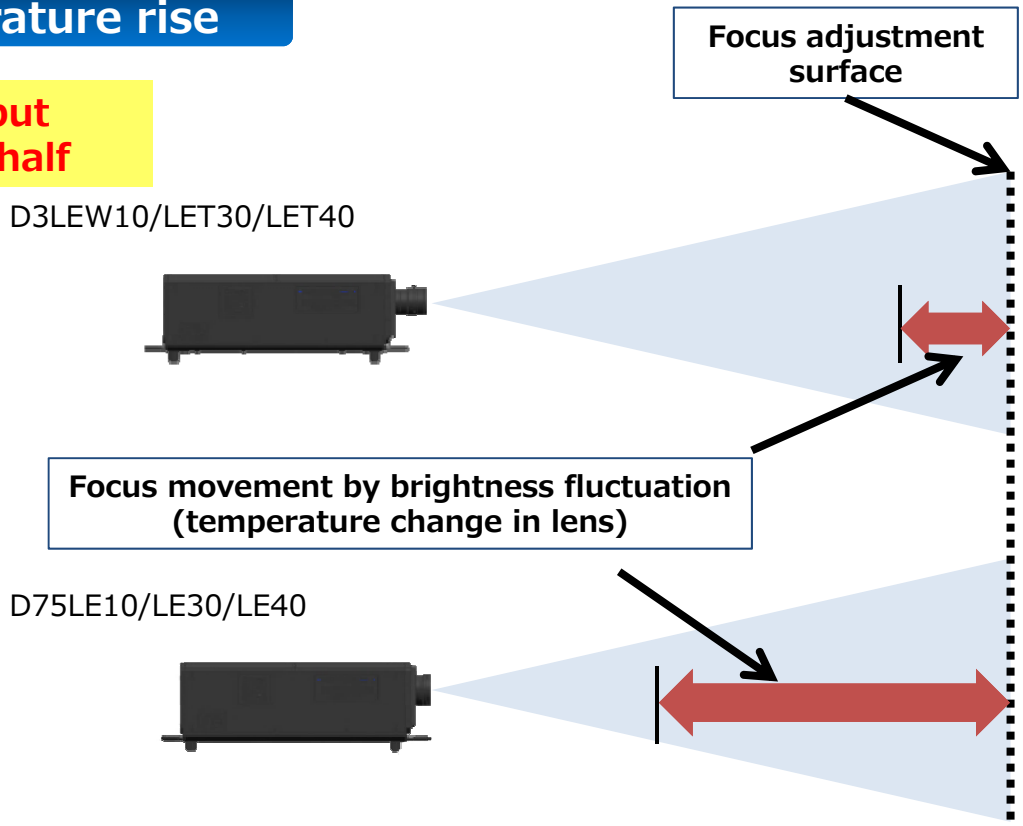
Focus movement due to temperature rise

Focus movement due to light output fluctuation is reduced to less than half

Lens performance improvement

・Reduces focus movement due to fluctuation of light output when using ultra-high brightness projector such as Black and white switching scene

<Installed lens>
・ET-D3LEW10
・ET-D3LET30
・ET-D3LET40



Ultra-high brightness support

LEW10 LET30 LET40

Focus degradation with temperature rise

Ultra-high brightness at 30klm
Lens resolution and resolving power UP

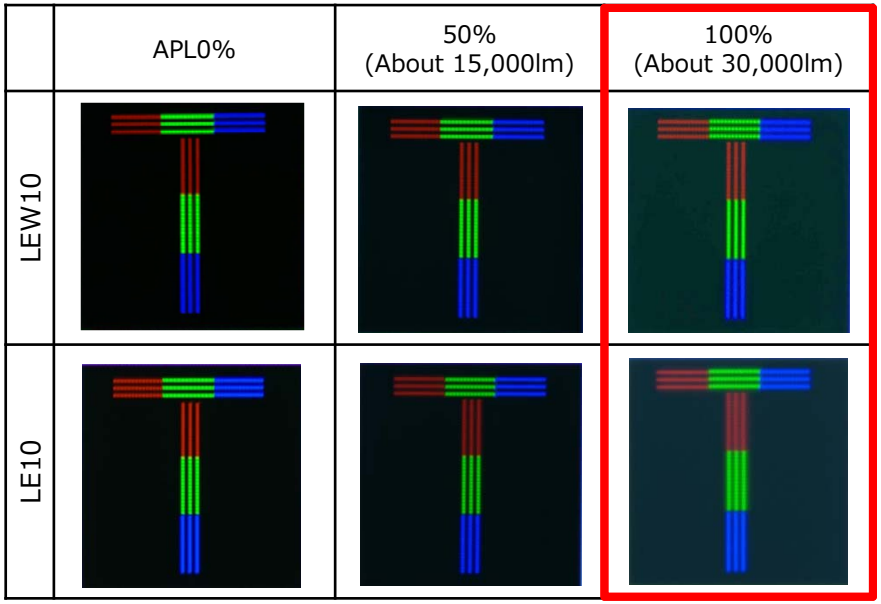
Measurement condition
· Replacing lens with the same set of RZ31K
· Best focus adjustment with each brightness
· Best focus adjustment at screen center

Lens performance improvement

・Compared with the current lens (ET-D75LE10/30/40), MTF ※1 at the time of projecting 30klm Ultra-high brightness is improved by 25%

<Installed lens>
・ET-D3LEW10
・ET-D3LET30
・ET-D3LET40

Center



※1 MTF (Modulation Transfer Function) is one of the scale / indicator for evaluating lens performance and shows whether the contrast can be faithfully reproduced as spatial frequency characteristic (fineness of stripes).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