

# Panasonic

# ET-DLE030

Ultra Short Throw Lens



**The Lens with the World's Shortest Throw\***



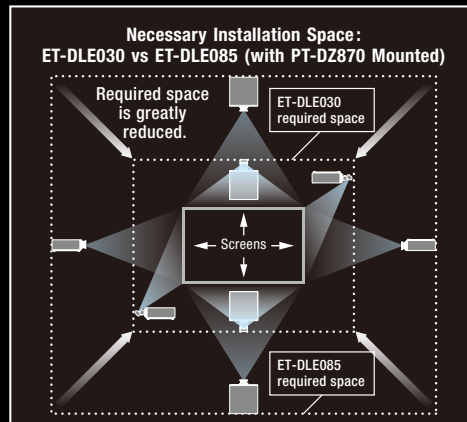
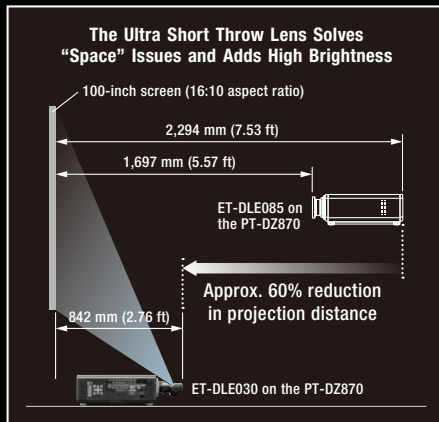
ET-DLE030  
Ultra Short Throw Lens

\* For detachable lenses as of July 2013.

# Solving the Hassles of Installing in Narrow Spaces

By mounting the newly developed ET-DLE030 ultra short throw lens onto Panasonic's single-chip DLP™ projector\*, you can shorten the projection distance by approximately 60% compared with our ET-DLE085 and ET-DLE080 short throw lenses. This huge savings in space lets you project images in spots where you previously could not—such as places where the ceiling is too high, or where there is not enough front or rear space for projecting. Applications greatly expand for digital signage in show windows, stores, train stations, and other locations.

\* See the specifications in this brochure for applicable projectors.



NOTE: Provide an exhaust cooling space of 500 mm (1 foot 8 inches) or more between the rear panel of the projector and a wall or other obstruction. If installing it in an enclosed space, add a separate air conditioning or ventilation system. If ventilation is insufficient, exhaust heat may accumulate and trip the projector's protective circuit.



The PT-DZ870K with the ET-DLE030 mounted



The PT-DW830W with the ET-DLE030 mounted



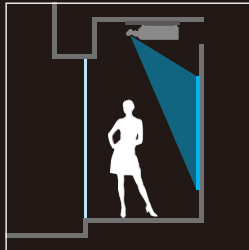
The PT-DZ770S/DW740S with the ET-DLE030 mounted



## The Ultra-Short-Throw Lens Enables a Wide Variety of Applications

### Digital Signage for Retail Store Displays

Large images can be projected onto a screen at the back of a shallow show window without blocking the view of the products on display.



This is an example of front projection from above.

### Digital Signage for Train Stations

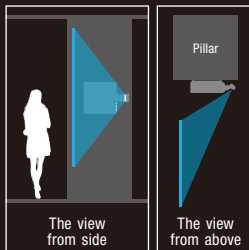
Projection onto a large screen becomes possible even in places where there wasn't previously enough space for front projection.



This is an example of landscape front projection.

### Digital Signage (Portrait Rear Projection)

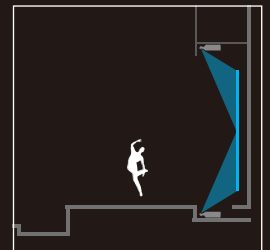
Dead space, such as pillars, can be used to save space compared to conventional installations.



This is an example of portrait rear projection.

### Staging

Large-screen projection becomes possible in places where the ceiling was previously too high, or the stage was too shallow.

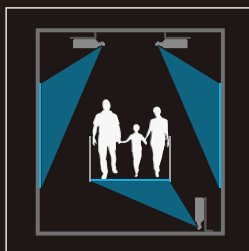


This is an example of multi-screen\* front projection.

\* Possible only with models equipped with the Edge Blending function.

### Amusement

Advanced image content can also be displayed in facilities where there previously wasn't enough space to install a projector, greatly increasing the power of the attraction. Also, combined with projection from under the floor onto the floor surface, or projection onto the ceiling virtually wraps visitors in the image.



This is an example of front projection from above, and rear projection from below onto the floor surface.

#### NOTE:

Due to lens characteristics, some screen types may be subject to focusing problems or strong hot spots where large differences in brightness occur between the hot spots and surrounding areas. If this should occur, please ask a qualified technician or your dealer for solutions.

A ceiling mount bracket and attachment are optionally available.

#### ET-PKD130H

High-ceiling mount bracket with 6-axis adjustment mechanism



#### ET-PKD130B

Attachment for ceiling mount bracket

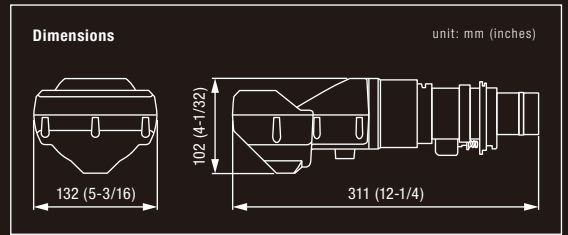


Applicable projectors: PT-DZ870 Series, PT-DZ770 Series, PT-DZ680 Series, PT-DZ6700 Series, and PT-D5000 Series

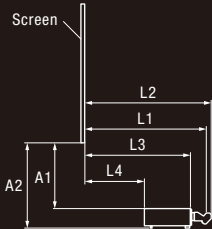
## Specifications

F value: 2.0  
 Focal length (f): 5.3 mm  
 Dimensions (W × H × D): 132 × 102 × 311 mm (5-3/16 × 4-1/32 × 12-1/4 inches)  
 Weight: Approx 1.3 kg (2.9 lbs)  
 Applicable projectors:

PT-DZ870K/DZ870L/DZ870W/DZ870LW/DW830K/DW830L/DW830W/DW830LW/DX100K/DX100L/DX100W/DX100LW/DZ770K/DZ770L/DZ770S/DZ770LS/DW740S/DW740L/DW740K/DW740L/DX810S/DX810LS/DX810K/DX810L/DZ680K/DZ680L/DZ680S/DZ680LS/DW640K/DW640L/DW640S/DW640LS/DX610K/DX610L/DX610S/DX610LS/DZ6710/DZ6710L/DW730S/DW730L/DW730K/DW730L/DX800S/DX800LS/DX800K/DX800L/DZ6700/DZ6700L/DW6300S/DW6300LS/DW6300K/DW6300L/D6000S/D6000LS/D6000K/D6000L/D5000S/D5000LS



## Projection Distance



L1: Distance from the mirror surface to the screen.  
 L2: Distance from the tip of lens to the screen.  
 L3: Distance from the projector front to the screen.  
 L4: Distance from the projector rear to the screen.  
 A1: Height from the edge of the screen to the top of the projector.  
 A2: Height from the edge of the screen to the bottom of the projector.

NOTE: L4 is not the distance from the projector's rear panel to a wall, but the distance from the projector's rear panel to the screen. Provide an exhaust cooling space of 500 mm (1 foot 8 inches) or more between the rear panel of the projector and a wall or other obstruction. If installing it in an enclosed space, add a separate air conditioning or ventilation system. If ventilation is insufficient, exhaust heat may accumulate and trip the projector's protective circuit.

### PT-DZ870/DZ870L (16:10 aspect ratio)

unit: meters (feet)

Diagonal image size	L1 Throw ratio 0.38:1	L2 Throw ratio 0.39:1	L3	L4	A1	A2
2.54 [100"]	0.82 (2.7)	0.84 (2.8)	0.65 (2.1)	0.14 (0.5)	0.43 (1.4)	0.63 (2.1)
3.05 [120"]	0.98 (3.2)	1.00 (3.3)	0.82 (2.7)	0.30 (1.0)	0.53 (1.7)	0.73 (2.4)
3.81 [150"]	1.23 (4.0)	1.25 (4.1)	1.06 (3.5)	0.55 (1.8)	0.68 (2.2)	0.88 (2.9)
5.08 [200"]	1.63 (5.4)	1.66 (5.4)	1.47 (4.8)	0.95 (3.1)	0.93 (3.1)	1.13 (3.7)
6.35 [250"]	2.04 (6.7)	2.06 (6.8)	1.87 (6.1)	1.36 (4.5)	1.18 (3.9)	1.38 (4.5)
7.62 [300"]	2.45 (8.0)	2.47 (8.1)	2.28 (7.5)	1.77 (5.8)	1.43 (4.7)	1.63 (5.4)
8.89 [350"]	2.85 (9.4)	2.88 (9.4)	2.69 (8.8)	2.18 (7.1)	1.69 (5.5)	1.89 (6.2)

### PT-DW830/DW830L (16:10 aspect ratio)

unit: meters (feet)

Diagonal image size	L1 Throw ratio 0.40:1	L2 Throw ratio 0.41:1	L3	L4	A1	A2
2.54 [100"]	0.86 (2.8)	0.88 (2.9)	0.69 (2.3)	0.18 (0.6)	0.59 (1.9)	0.79 (2.6)
3.05 [120"]	1.03 (3.4)	1.05 (3.5)	0.86 (2.8)	0.35 (1.2)	0.72 (2.4)	0.92 (3.0)
3.81 [150"]	1.29 (4.2)	1.31 (4.3)	1.12 (3.7)	0.61 (2.0)	0.92 (3.0)	1.12 (3.7)
5.08 [200"]	1.71 (5.6)	1.74 (5.7)	1.55 (5.1)	1.04 (3.4)	1.25 (4.1)	1.45 (4.7)
6.35 [250"]	2.14 (7.0)	2.16 (7.1)	1.98 (6.5)	1.46 (4.8)	1.58 (5.2)	1.78 (5.8)
7.62 [300"]	2.57 (8.4)	2.59 (8.5)	2.40 (7.9)	1.89 (6.2)	1.91 (6.3)	2.11 (6.9)
8.89 [350"]	3.00 (9.8)	3.02 (9.9)	2.83 (9.3)	2.32 (7.6)	2.24 (7.3)	2.44 (8.0)

### PT-DX100/DX100L (4:3 aspect ratio)

unit: meters (feet)

Diagonal image size	L1 Throw ratio 0.38:1	L2 Throw ratio 0.41:1	L3	L4	A1	A2
2.54 [100"]	0.80 (2.6)	0.82 (2.7)	0.63 (2.1)	0.12 (0.4)	0.41 (1.3)	0.61 (2.0)
3.05 [120"]	0.96 (3.1)	0.98 (3.2)	0.79 (2.6)	0.28 (0.9)	0.50 (1.6)	0.70 (2.3)
3.81 [150"]	1.20 (3.9)	1.22 (4.0)	1.03 (3.4)	0.52 (1.7)	0.65 (2.1)	0.85 (2.8)
5.08 [200"]	1.60 (5.2)	1.62 (5.3)	1.43 (4.7)	0.92 (3.0)	0.88 (2.9)	1.08 (3.6)
6.35 [250"]	1.99 (6.5)	2.02 (6.6)	1.83 (6.0)	1.32 (4.3)	1.12 (3.7)	1.32 (4.3)
7.62 [300"]	2.39 (7.8)	2.42 (7.9)	2.23 (7.3)	1.71 (5.6)	1.36 (4.5)	1.56 (5.1)
8.89 [350"]	2.79 (9.2)	2.81 (9.2)	2.62 (8.6)	2.11 (6.9)	1.60 (5.3)	1.80 (5.9)

### PT-DZ770/DZ770L/DZ680/DZ680L/DZ6710/DZ6710L/DZ6700/DZ6700L (16:10 aspect ratio)

unit: meters (feet)

Diagonal image size	L1 Throw ratio 0.38:1	L2 Throw ratio 0.39:1	L3	L4	A1	A2
2.54 [100"]	0.82 (2.7)	0.84 (2.8)	0.65 (2.1)	0.23 (0.8)	0.44 (1.4)	0.61 (2.0)
3.05 [120"]	0.98 (3.2)	1.00 (3.3)	0.82 (2.7)	0.39 (1.3)	0.54 (1.8)	0.71 (2.3)
3.81 [150"]	1.23 (4.0)	1.25 (4.1)	1.06 (3.5)	0.64 (2.1)	0.69 (2.3)	0.86 (2.8)
5.08 [200"]	1.63 (5.4)	1.66 (5.4)	1.47 (4.8)	1.04 (3.4)	0.94 (3.1)	1.11 (3.6)
6.35 [250"]	2.04 (6.7)	2.06 (6.8)	1.87 (6.1)	1.45 (4.8)	1.19 (3.9)	1.36 (4.5)
7.62 [300"]	2.45 (8.0)	2.47 (8.1)	2.28 (7.5)	1.86 (6.1)	1.44 (4.7)	1.61 (5.3)
8.89 [350"]	2.85 (9.4)	2.88 (9.4)	2.69 (8.8)	2.27 (7.4)	1.69 (5.5)	1.87 (6.1)

### PT-DW740/DW740L/DW730/DW730L/DW640/DW640L/DW6300/DW6300L (16:10 aspect ratio)

unit: meters (feet)

Diagonal image size	L1 Throw ratio 0.40:1	L2 Throw ratio 0.41:1	L3	L4	A1	A2
2.54 [100"]	0.86 (2.8)	0.88 (2.9)	0.69 (2.3)	0.27 (0.9)	0.59 (1.9)	0.77 (2.5)
3.05 [120"]	1.03 (3.4)	1.05 (3.5)	0.86 (2.8)	0.44 (1.4)	0.72 (2.4)	0.90 (2.9)
3.81 [150"]	1.29 (4.2)	1.31 (4.3)	1.12 (3.7)	0.70 (2.3)	0.92 (3.0)	1.10 (3.6)
5.08 [200"]	1.71 (5.6)	1.74 (5.7)	1.55 (5.1)	1.13 (3.7)	1.25 (4.1)	1.43 (4.7)
6.35 [250"]	2.14 (7.0)	2.16 (7.1)	1.98 (6.5)	1.55 (5.1)	1.58 (5.2)	1.76 (5.8)
7.62 [300"]	2.57 (8.4)	2.59 (8.5)	2.40 (7.9)	1.98 (6.5)	1.91 (6.3)	2.09 (6.8)
8.89 [350"]	3.00 (9.8)	3.02 (9.9)	2.83 (9.3)	2.41 (7.9)	2.24 (7.3)	2.42 (7.9)

### PT-DX810/DX810L/DX800/DX800L/DX610/DX610L/D6000/D6000L/D5000/D5000L (4:3 aspect ratio)

unit: meters (feet)

Diagonal image size	L1 Throw ratio 0.39:1	L2 Throw ratio 0.41:1	L3	L4	A1	A2
2.54 [100"]	0.80 (2.6)	0.82 (2.7)	0.63 (2.1)	0.21 (0.7)	0.41 (1.3)	0.59 (1.9)
3.05 [120"]	0.96 (3.1)	0.98 (3.2)	0.79 (2.6)	0.37 (1.2)	0.51 (1.7)	0.68 (2.2)
3.81 [150"]	1.20 (3.9)	1.22 (4.0)	1.03 (3.4)	0.61 (2.0)	0.65 (2.1)	0.83 (2.7)
5.08 [200"]	1.60 (5.2)	1.62 (5.3)	1.43 (4.7)	1.01 (3.3)	0.89 (2.9)	1.06 (3.5)
6.35 [250"]	1.99 (6.5)	2.02 (6.6)	1.83 (6.0)	1.41 (4.6)	1.13 (3.7)	1.30 (4.3)
7.62 [300"]	2.39 (7.8)	2.42 (7.9)	2.23 (7.3)	1.80 (5.9)	1.37 (4.5)	1.54 (5.1)
8.89 [350"]	2.79 (9.2)	2.81 (9.2)	2.62 (8.6)	2.20 (7.2)	1.61 (5.3)	1.78 (5.8)

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