

## Specifications

## Main unit

|                                                           |                                               |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply                                              |                                               |                                            | Single Phase AC100V-120V/Single Phase AC200V-240V, 50/60 Hz<br>*The maximum value of light output is limited to less than 20,000 lm when using the projector with AC100V to AC120V. However, the maximum value of light output is further decreased in following cases.<br>– When the projector is used with a voltage lower than AC120V<br>– When the projector is used at a location where the ambient temperature exceeds 25°C<br>– When the Function Board is installed in the slot<br>– When an external device is connected to the <USB (DC OUT)> terminal<br>– When the light source is deteriorating from use or when there is dust on the optical parts |                                                                                                                                                                                                                                                                                       |
| Power consumption <sup>1</sup>                            | Maximum power consumption                     |                                            | AC100V–AC120V: 1430 W (1440 VA)<br>AC200V–AC240V: 1450 W (1465 VA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                       |
|                                                           | On-mode power consumption<br>(Operating mode) | [Normal]                                   | AC100V–AC120V: 1200 W<br>AC200V–AC240V: 1165 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | * Measurement conditions (Compliant with ISO/IEC 21118:2020 measurement conditions)<br>Operating Temperature: 25°C (77°F), Altitude: 700 m,<br>Picture mode: [DYNAMIC], Dynamic Contrast: [OFF],<br>HDMI™ input: All white, Other terminals: No connection                            |
|                                                           |                                               | [Eco]                                      | AC100V–AC120V: 990 W<br>AC200V–AC240V: 950 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                       |
|                                                           | Standby mode power consumption                | [Normal]                                   | 11 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                       |
| [Eco]                                                     |                                               | 0.3 W (AC100V-AC120V), 1 W (AC200V-AC240V) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       |
| BTU value                                                 |                                               |                                            | MAX 4,950 BTU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                       |
| DLP™ chip                                                 | Size                                          |                                            | [0.96 in] diagonal (16:10 aspect ratio)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                       |
|                                                           | Display system                                |                                            | DLP™ chip x 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                       |
|                                                           | Number of pixels                              |                                            | 2,304,000 pixels (1920 x 1200 dots)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                       |
| Refresh rate                                              |                                               |                                            | 240 Hz Refresh rate varies depending on scanning frequency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                       |
| Light source                                              |                                               |                                            | Laser diodes (Red LD, Green LD, Blue LD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |
| Light output <sup>1, 2</sup>                              | Operation mode                                | [Normal]                                   | 20,000 lm/21,000 lm (Center) <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                       |
|                                                           |                                               | [Eco]                                      | 16,000 lm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                       |
| Time until light output declines to 50% <sup>4</sup>      | Operation mode                                | [Normal]                                   | 20,000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                       |
|                                                           |                                               | [Eco]                                      | 24,000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                       |
| Resolution                                                |                                               |                                            | 4K (3840 x 2400 dots) (Quad Pixel Drive: ON)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                       |
| Contrast ratio <sup>1</sup>                               |                                               |                                            | 25,000:1 (All White/All Black, Dynamic Contrast [3])                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                       |
| Screen size (diagonal)                                    |                                               |                                            | 1.78-25.40 m [70-1000 in]<br>1.78-15.24 m [70-600 in] (with ET-D3LET80)<br>5.08-15.24 m [200-600 in] (with ET-D3LEU101,ET-D3LEW201)<br>3.05-15.24 m [120-600 in] (with ET-D75LE95)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                       |
| Center to corner zone ratio <sup>1</sup>                  |                                               |                                            | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                       |
| Lens                                                      |                                               |                                            | Optional (no lens included with this model)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                       |
| Lens shift<br>(From the origin point of the lens mounter) |                                               | Drive system                               | Powered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                       |
|                                                           |                                               | Vertical                                   | (Max) ±55% (with ET-D3LEW10, ET-D3LES20, ET-D3LES250, ET-D3LET30,ET-D3LET40, ET-D3LET80)<br>(Max) ±44% (with ET-D3LEW60, ET-D3LEW300, ET-D3LEW600)<br>(Max) +68~+78% (with ET-D75LE95)<br>(Max) ±55% (with ET-D3LEU101)<br>(Max) ±48% (with ET-D3LEW201)<br>(Max) ±27% (with ET-D3LEF70)                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |
|                                                           |                                               |                                            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (Max) ±20% (with ET-D3LEW10, ET-D3LES20, ET-D3LES250, ET-D3LET30,ET-D3LET40, ET-D3LET80)<br>(Max) ±15% (with ET-D3LEW60, ET-D3LEW300, ET-D3LEW600)<br>(Max) ±12% (with ET-D75LE95)<br>(Max) 0-25% (with ET-D3LEU101)<br>(Max) ±15% (with ET-D3LEW201)<br>(Max) ±12% (with ET-D3LEF70) |
| Installation                                              |                                               |                                            | Ceiling/floor, front/rear, free 360-degree installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                       |
| Compatible Signal                                         | HDMI™ signal input                            |                                            | Moving image signal resolution: 480/60p, 576/50p to 4096 x 2160/60p<br>Still image signal resolution: 640 x 480 to 3840 x 2400 (non-interlace)<br>Dot clock frequency: 25 MHz to 594 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |
|                                                           | DIGITAL LINK <sup>5</sup> signal input        |                                            | Moving image signal resolution: 480/60p, 576/50p to 4096 x 2160/60p<br>Still image signal resolution: 640 x 480 to 3840 x 2400 (non-interlace)<br>Dot clock frequency: 25 MHz to 297 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |
|                                                           | SDI <sup>6</sup> signal input                 |                                            | HD-SDI signal, 3G-SDI signal, 12G-SDI signal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                       |
|                                                           | SDI OPT <sup>7</sup> signal input             |                                            | HD-SDI signal, 3G-SDI signal, 12G-SDI signal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                       |
| Terminals                                                 | <SDI IN>                                      |                                            | BNC x 1<br>12G/3G/HD-SDI signal compatible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |
|                                                           | <HDMI™ 1 IN>                                  |                                            | HDMI™ x 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                       |
|                                                           | <HDMI™ 2 IN>                                  |                                            | Deep Color, compatible with HDCP2.3, 4K/60p signal <sup>8</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       |

|                                       |                            |                                                                                                                                                                          |
|---------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminals                             | <MULTI PROJECTOR SYNC IN>  | BNC x 1<br>TTL high impedance                                                                                                                                            |
|                                       | <MULTI PROJECTOR SYNC OUT> | BNC x 1<br>TTL output: Maximum 10 mA                                                                                                                                     |
|                                       | <SERIAL IN>                | D-sub 9-pin (female) x 1<br>for external control (RS-232C compliant)                                                                                                     |
|                                       | <REMOTE IN>                | M3 stereo mini-jack x 1<br>for wired remote control/ for projector connection control                                                                                    |
|                                       | <REMOTE OUT>               | M3 stereo mini-jack x 1<br>for wired remote control/ for projector connection control                                                                                    |
|                                       | <LAN>                      | RJ-45 x 1<br>for network connection, PLink™ (class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible                                                                |
|                                       | <USB (DC OUT)>             | USB connector (type A) x 1<br>for connecting the optional Wireless Module (Model No.:AJ-WM50 Series),<br>for connecting USB memory, for power supply (DC 5V, maximum 2A) |
|                                       | <SLOT>                     | SLOT x 1<br>Open slot, for function boards, Intel® SDM compatible                                                                                                        |
| Supported Internet Protocol version   |                            | IPv4, IPv6 <sup>9</sup>                                                                                                                                                  |
| Power cord length                     |                            | 3.0 m [118 1/8 in]                                                                                                                                                       |
| Cabinet materials                     |                            | Molded plastic, Processed metal parts                                                                                                                                    |
| Dimensions<br>(excluding protrusions) | Width                      | 590 mm [23 7/32 in]                                                                                                                                                      |
|                                       | Height                     | 220 mm [8 21/32 in]                                                                                                                                                      |
|                                       | Depth                      | 600 mm [23 5/8 in]                                                                                                                                                       |
| Weight <sup>10</sup>                  |                            | Approx. 38.7 Kg (85.3 lbs)                                                                                                                                               |
| Operating noise <sup>1</sup>          | [Normal]                   | 42 dB                                                                                                                                                                    |
|                                       | [Eco]                      | 42 dB                                                                                                                                                                    |
| Laser Classification                  | Laser Class                | Class 1 (IEC 60825-1:2014)                                                                                                                                               |
|                                       | Risk Group                 | Risk Group 3 (IEC 62471-5:2015)                                                                                                                                          |
| Operating environment                 | Operating temperature      | 0-45°C (32-113°F) <sup>11</sup>                                                                                                                                          |
|                                       | Operating humidity         | 10-80 % (no condensation)                                                                                                                                                |

### Remote control unit

|                 |        |                                                                                         |
|-----------------|--------|-----------------------------------------------------------------------------------------|
| Power supply    |        | 3V DC (AA/R6 type battery x 2)                                                          |
| Operation range |        | Approx. 30 m [98 ft 5 in] (when operated from directly in front of the signal receptor) |
| Dimensions      | Width  | 47.5 mm [1 7/8 in]                                                                      |
|                 | Height | 181.5 mm [7 5/32 in]                                                                    |
|                 | Depth  | 27.5 mm [1 3/32 in]                                                                     |
| Weight          |        | Approx. 150 g (5.3 ozs) (including batteries)                                           |

### Supplied accessories

Power cord<sup>12</sup>  
 Lens hole cover (x 1)  
 Wireless/wired remote control unit (x 1)  
 Batteries for remote control (AA/R6 type x 2)  
 Lens fixing screw (x 1)  
 SLOT Adapter (x 1)

### Other Applications

Multi Monitoring & Control Software (for Windows)  
 Visual Software Suite (for Windows)  
 Smart Projector Control (for iOS/Android™)  
 Projector Network Setup Software (for Windows)

### Supported services of Control via LAN

Art-net  
 PLink™ (class 2)  
 Crestron Connected™ V2  
 Crestron XiO Cloud™  
 AMX® Device Discovery  
 Extron® XTP  
 Web API

## Optional accessories

|                                      |                                |                                                                                                                                                                             |
|--------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens                                 | Fixed-focal length lens        | ET-D3LEU101 (0.370:1)                                                                                                                                                       |
|                                      |                                | ET-D3LEW50 (0.694:1)                                                                                                                                                        |
|                                      |                                | ET-D75LE95 (0.364:1)                                                                                                                                                        |
|                                      | Fisheye lens                   | ET-D3LEF70 (-)                                                                                                                                                              |
|                                      | Zoom lens                      | ET-D3LEW201 (0.645-0.850:1)                                                                                                                                                 |
|                                      |                                | ET-D3LEW300 (0.770-0.933:1)                                                                                                                                                 |
|                                      |                                | ET-D3LEW600 (0.924-1.28:1)                                                                                                                                                  |
|                                      |                                | ET-D3LEW10 (1.26-1.72:1)                                                                                                                                                    |
|                                      |                                | ET-D3LES20 (1.67-2.41:1)                                                                                                                                                    |
|                                      |                                | ET-D3LES250 (1.67-2.41:1)                                                                                                                                                   |
|                                      |                                | ET-D3LET30 (2.40-4.66:1)                                                                                                                                                    |
|                                      |                                | ET-D3LET40 (4.61-7.41:1)                                                                                                                                                    |
|                                      |                                | ET-D3LET80 (7.34-13.8:1)                                                                                                                                                    |
| Lens mounting attachment             |                                | ET-PLF10/ET-PLF20                                                                                                                                                           |
| Ceiling Mount Bracket                | for high ceilings              | ET-PKD520H                                                                                                                                                                  |
|                                      | for low ceilings               | ET-PKD520S                                                                                                                                                                  |
| Attachment for Ceiling Mount Bracket |                                | ET-PKD521B                                                                                                                                                                  |
| Function Board                       | 12G-SDI Terminal Board         | TY-SB01QS                                                                                                                                                                   |
|                                      | 12G-SDI Optical Function Board | TY-SB01FB                                                                                                                                                                   |
|                                      | DIGITAL LINK Terminal Board    | TY-SB01DL                                                                                                                                                                   |
|                                      | Media Processor Board          | ET-SBFMP10                                                                                                                                                                  |
| Filter Kit <sup>13</sup>             |                                | ET-EMF720DK                                                                                                                                                                 |
| Filter Pack <sup>14</sup>            |                                | ET-EMF720DP                                                                                                                                                                 |
| Wireless module                      |                                | AJ-WM50 Series<br>Note: Product availability may vary by country or region.The suffix at the end of the model number is omitted.Operating Temperature: 0-40 °C (32-104 °F). |
| NFC Upgrade Kit                      |                                | ET-NUK10<br>Note: Product availability may vary by country or region.                                                                                                       |
| Media Processors                     | Box-type                       | ET-FMP50/ET-FMP20                                                                                                                                                           |
| Wireless Presentation System PressIT |                                | TY-WPS2<br>Note: Product availability may vary by country or region.                                                                                                        |

Weights and dimensions shown are approximate. Specifications subject to change without notice.

1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2020 international standards.

2 This is the value when the Zoom Lens (Model No.: ET-D3LES250) is used with power supply voltage of AC200V to AC240V. The value varies depending on the lens.

3 Average light output value of all shipped products measured at center of screen in [NORMAL] Mode.

4 Around this time, light output will have decreased by approximately 50%. IEC62087: 2008 Broadcast contents, Dynamic Contrast [3], under conditions with 35°C (95°F), 700m (2297ft) above sea level, and 0.15mg/m<sup>3</sup> of particulate matter. Estimated time until light output declines to 50% varies depending on environment.

5 Requires TY-SB01DL Interface Board for DIGITAL LINK.

6 This is supported by the <SDI IN> terminal equipped on the projector as standard, or when the optional 12G-SDI Terminal Board (Model No.: TY-SB01QS) is installed in the slot.

7 This is supported when the optional Function Board for 12G-SDI Optical Fiber (Model No.: TY-SB01FB) is installed in the slot.

8 4K/60p signals are converted to the projector's resolution upon projection.

9 Optional wireless module AJ-WM50 only supports IPv4.

10 Average value. May differ depending on the actual unit.

11 The operating environment temperature should be between 0°C (32°F) and 40°C (104°F) if the projector is used at an altitude between 1,400m (4,593ft) and 4,200m (13,780ft) above sea level. Note that altitude of 4,200m (13,780ft) above sea level is the maximum height that the performance of this projector is guaranteed. The operating environment temperature should be between 0°C (32°F) and 40°C (104°F) when the optional Wireless Module (Model No.: AJ-WM50 Series) is attached. When the operating environment temperature exceeds the following value, the light output may be reduced to protect the projector.

– When using the projector at an altitude lower than 1,400m (4,593ft) above sea level: 35°C (95°F)

– When using the projector at an altitude between 1,400m (4,593ft) and 2,700m (8,858ft) above sea level: 30°C (86°F)

– When using the projector at an altitude between 2,700m (8,858ft) and 4,200m (13,780ft) above sea level: 25°C (77°F)

12 The type and number of the supplied power cords vary depending on the country or region where you purchased the product.

13 The Filter kit (Model No.: ET-EMF720DK) should be used under the following conditions:

– Operating environment temperature: 0°C (32°F) to 35°C (95°F)

– Operating altitude: lower than 1,400m (4,593ft) above sea level

– Power supply: AC200V-AC240V

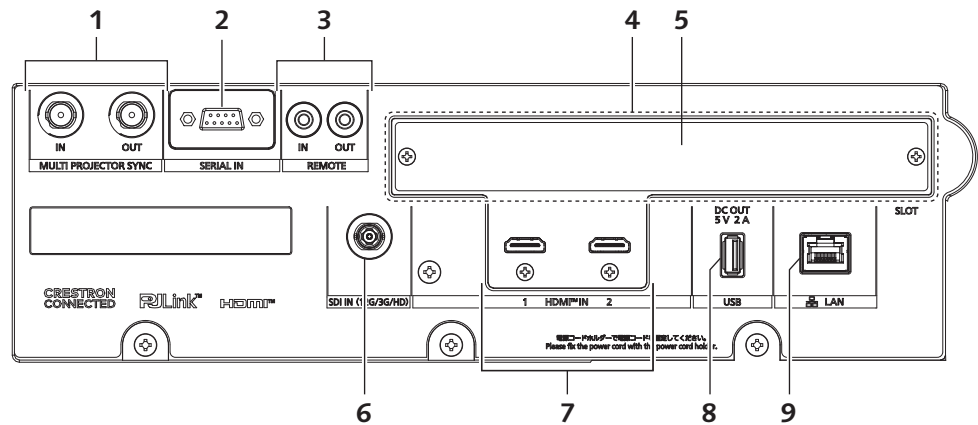
– Set the [FILTER MODE] to [ENABLE] in the [PROJECTOR SETUP] menu → [FILTER SETTING]

The availability of this product varies depending on the country. For details, contact your dealer.

14 Refer to the Operating Instructions of the Filter Kit for how to install the Filter kit (Model No.: ET-EMF720DK) and how to replace the filter.

The availability of this product varies depending on the country. For details, contact your dealer.

Terminals

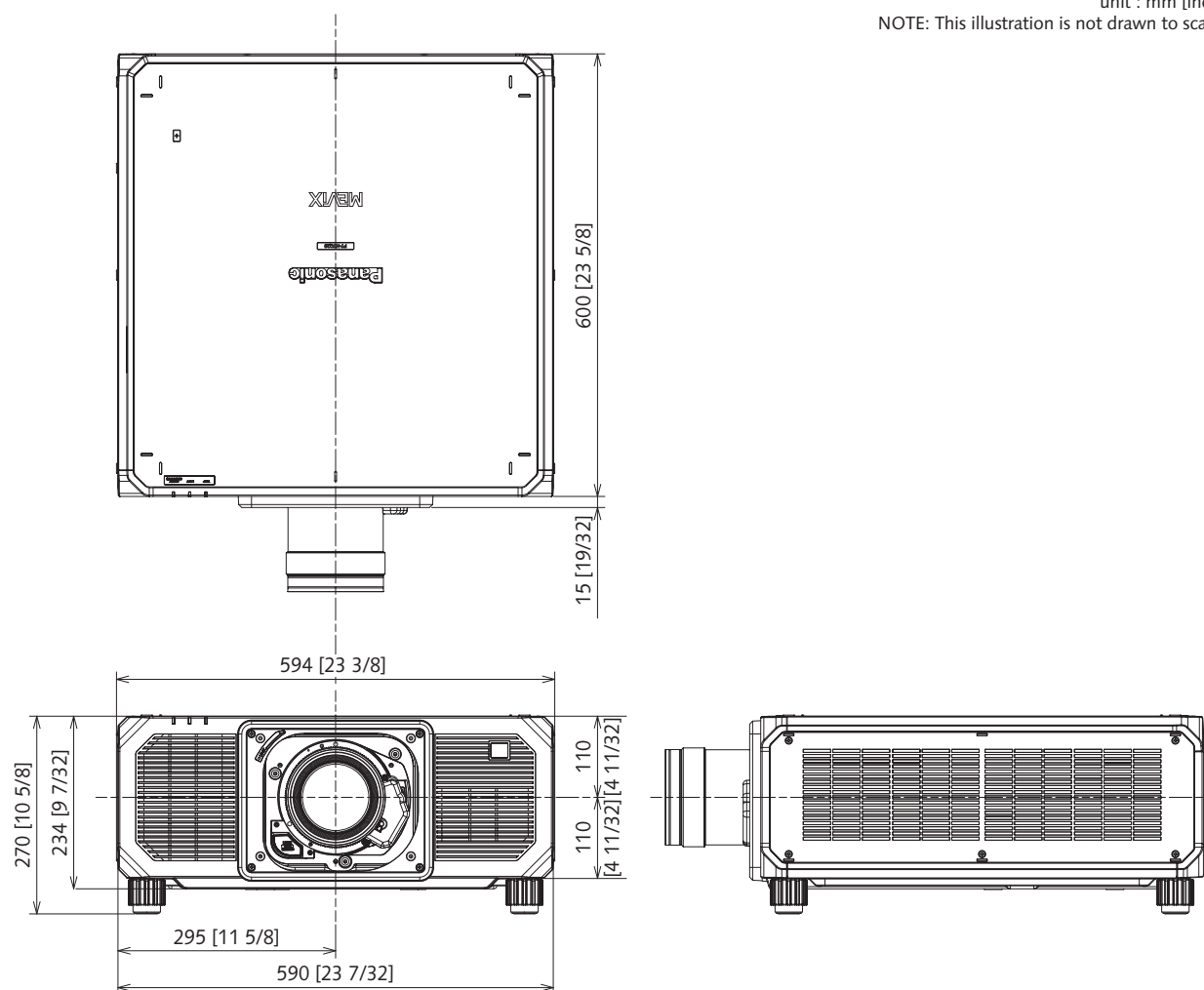


|   |                                                  |
|---|--------------------------------------------------|
| 1 | MULTI PROJECTOR SYNC IN/MULTI PROJECTOR SYNC OUT |
| 2 | SERIAL IN                                        |
| 3 | REMOTE IN/REMOTE OUT                             |
| 4 | Slot cover                                       |
| 5 | Slot (<SLOT>)                                    |
| 6 | SDI IN                                           |
| 7 | HDMI™ 1 IN/HDMI™ 2 IN                            |
| 8 | USB (DC OUT)                                     |
| 9 | LAN                                              |

## Dimensions

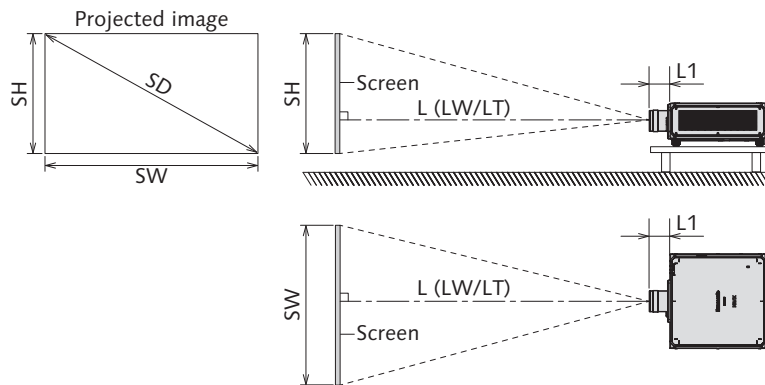
unit : mm [inch]

NOTE: This illustration is not drawn to scale.



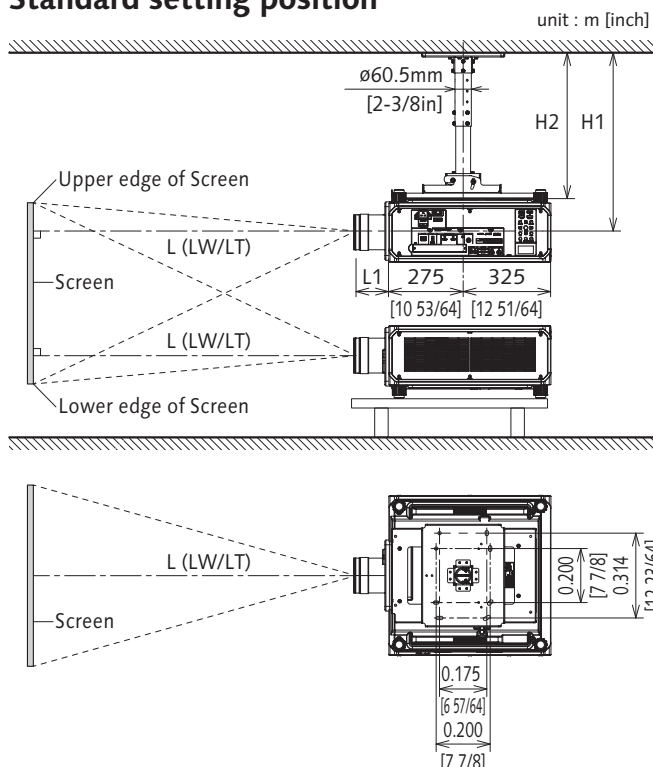
## Projection relationship diagram

Install the projector referring to the projected image size, projection distance, etc. Image size and image position can be adjusted in accordance with the screen size and screen position. When the Zoom lens (Model No.: ET-D3LEW201) Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95) or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses.



|    |                                                        |
|----|--------------------------------------------------------|
| SH | Projected image height                                 |
| SW | Projected image width                                  |
| SD | Projected image size                                   |
| L  | Projection distance                                    |
| LW | Minimum projection distance when the Zoom Lens is used |
| LT | Maximum projection distance when the Zoom Lens is used |
| L1 | Distance from front of projector to edge of lens       |

## Standard setting position



|    |            | unit : m    |
|----|------------|-------------|
| H1 | ET-PKD520H | 0.420-0.540 |
| H1 | ET-PKD520S | 0.107       |
| H2 | ET-PKD520H | 0.545-0.665 |
| H2 | ET-PKD520S | 0.231       |

### 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.

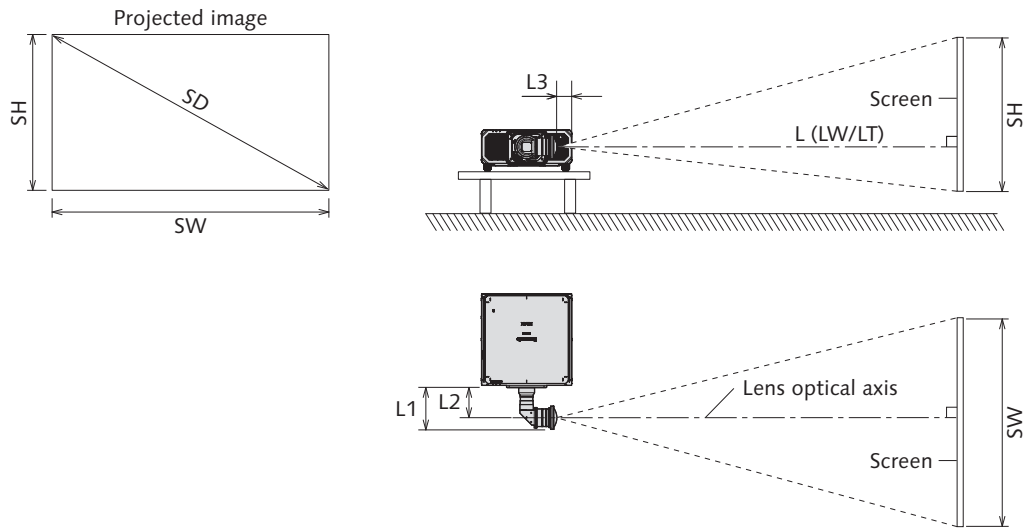
### Note

- This illustration is prepared on the assumption that the projected image size and position have been aligned to fit full in the screen.
- This illustration is not drawn to scale.
- The values are approximate.

| Projection lens Model No. | Lens protrusion dimensions (L1) |
|---------------------------|---------------------------------|
| ET-D3LEW300               | 0.270                           |
| ET-D3LEW60                | 0.216                           |
| ET-D3LEW600               | 0.235                           |
| ET-D3LEW10                | 0.213                           |
| ET-D3LES20                | 0.124                           |

| Projection lens Model No. | Lens protrusion dimensions (L1) |
|---------------------------|---------------------------------|
| ET-D3LES250               | 0.129                           |
| ET-D3LET30                | 0.181                           |
| ET-D3LET40                | 0.138                           |
| ET-D3LET80                | 0.265                           |
| ET-D3LEW50                | 0.206                           |

# Projection relationship diagram (ET-D3LEW201, ET-D3LEU101)



## Note

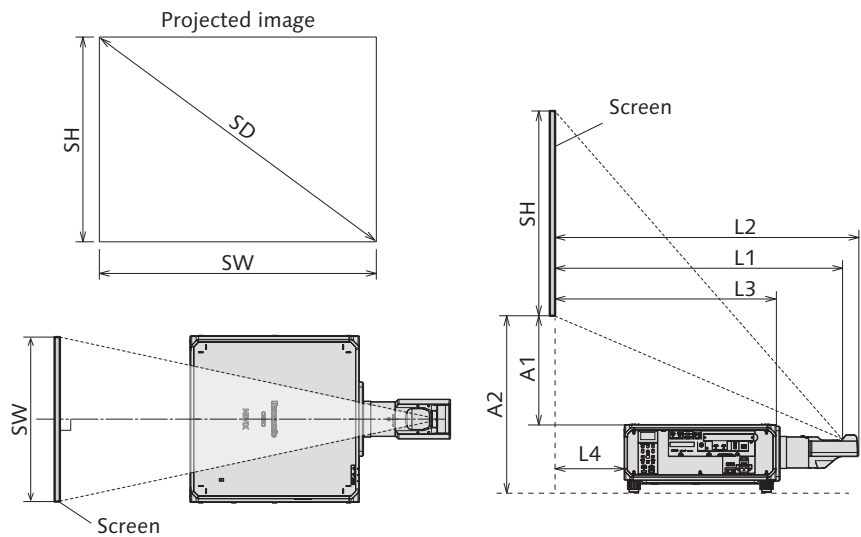
- This diagram assumes that the size and position of the projected image will be adjusted so that the image fits the entire screen.
- This illustration is not drawn to scale.
- The values are approximate.

|    |                                                        |
|----|--------------------------------------------------------|
| SH | Projected image height                                 |
| SW | Projected image width                                  |
| SD | Projected image size                                   |
| L  | Projection distance                                    |
| LW | Minimum projection distance when the Zoom Lens is used |
| LT | Maximum projection distance when the Zoom Lens is used |
| L1 | Distance from front of projector to edge of lens       |
| L2 | Distance from front of projector to center of lens     |
| L3 | Distance from side of projector to center of lens      |

unit : m

| Projection lens Model No. | Lens protrusion dimension (L1) | Position of the lens optical axis (L2) | Position of the lens apex (L3) |
|---------------------------|--------------------------------|----------------------------------------|--------------------------------|
| ET-D3LEW201               | 0.354                          | 0.258                                  | 0.122                          |
| ET-D3LEU101               | 0.288                          | 0.212                                  | 0.097                          |

Projection relationship diagram (ET-D75LE95)



Note

- This diagram assumes that the size and position of the projected image will be adjusted so that the image fills the entire screen.
- This illustration is not drawn to scale.

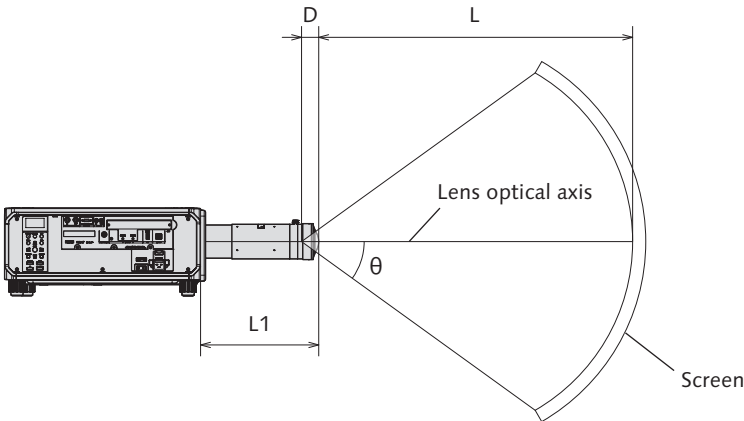
|    |                                                                                                          |
|----|----------------------------------------------------------------------------------------------------------|
| SH | Projected image height                                                                                   |
| SW | Projected image width                                                                                    |
| SD | Projected image size                                                                                     |
| L1 | Projection distance<br>(from the screen to the mirror reflection surface <sup>1</sup> )                  |
| L2 | Distance between the projector and the screen<br>(from the screen to the tip of the lens)                |
| L3 | Distance between the projector and the screen<br>(from the screen to the front surface of the projector) |
| L4 | Distance between the projector and the screen<br>(from the screen to the rear surface of the projector)  |
| A1 | Distance between the projector and the screen<br>(from the screen bottom edge to the projector top)      |
| A2 | Distance between the projector and the screen<br>(from the screen bottom edge to the projector bottom)   |

<sup>1</sup> The mirror reflection surface cannot be seen from the outside, because it is located inside the Fixed-focal length lens.

unit : m

| Distance from the projector to the screen | Formula      |
|-------------------------------------------|--------------|
| L2                                        | = L1 + 0.029 |
| L3                                        | = L1 - 0.295 |
| L4                                        | = L1 - 0.895 |
| A2                                        | = A1 + 0.268 |

# Projection relationship diagram (ET-D3LEF70)



## Note

- This diagram assumes that the size and position of the projected image will be adjusted so that the image fits the entire screen.
- This illustration is not drawn to scale.
- The values are approximate.

|    |                                                                |
|----|----------------------------------------------------------------|
| L  | Projection distance (From the front of the lens to the screen) |
| L1 | Distance from front of projector to edge of lens               |
| θ  | Projected angle                                                |
| D  | Exit pupil position                                            |

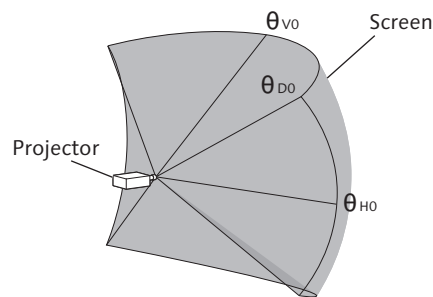
unit : m

|                                   |                                                                                                               |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Projection distance (L) range (m) | 2 - ∞                                                                                                         |
| L1 dimension                      | 0.388                                                                                                         |
| Exit pupil position (D) formula*  | $= -10^{-8} \times \theta^3 - 3 \times 10^{-7} \times \theta^2 - 1.73 \times 10^{-5} \times \theta + 0.02342$ |

| Projected angle ( θ ) (degrees) | Exit pupil position (D) (m)* |
|---------------------------------|------------------------------|
| 10                              | 0.0232                       |
| 20                              | 0.0229                       |
| 30                              | 0.0224                       |
| 40                              | 0.0216                       |
| 50                              | 0.0206                       |
| 60                              | 0.0191                       |
| 70                              | 0.0173                       |
| 80                              | 0.0150                       |
| 91.6 (Max)                      | 0.0116                       |

\* There may be slight discrepancies in the exit pupil positions.

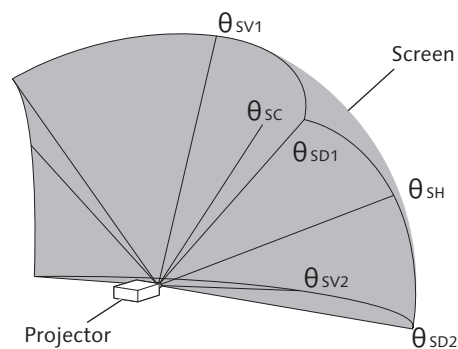
### ■ Maximum projection angle of view for optical lens center position



Unit: °

|               |                                                                      |      |
|---------------|----------------------------------------------------------------------|------|
| $\theta_{H0}$ | Maximum projection angle of view for projected image horizontal axis | 65.7 |
| $\theta_{V0}$ | Maximum projection angle of view for projected image vertical axis   | 41.1 |
| $\theta_{D0}$ | Maximum projection angle of view for projected image diagonal axis   | 77.5 |

### ■ Maximum projection angle of view for when vertical lens shift is set to maximum



Unit: °

|                |                                                                                  |      |
|----------------|----------------------------------------------------------------------------------|------|
| $\theta_{SC}$  | Projection angle of view for projected image center                              | 22.3 |
| $\theta_{SV1}$ | Maximum projection angle of view for projected image vertical axis (top side)    | 63.2 |
| $\theta_{SV2}$ | Maximum projection angle of view for projected image vertical axis (bottom side) | 19.0 |
| $\theta_{SH}$  | Maximum projection angle of view for projected image horizontal axis             | 69.3 |
| $\theta_{SD1}$ | Maximum projection angle of view for projected image diagonal line (top side)    | 91.4 |
| $\theta_{SD2}$ | Maximum projection angle of view for projected image diagonal line (bottom side) | 68.4 |

#### Note

- The value for each projection angle of view shown in the table is the angle between the lens optical axis and the line indicating each projection angle of view.

## Projection distance

The value for L (distance to screen) varies slightly within  $\pm 5\%$  depending on the zoom lens characteristics.

When [GEOMETRY] is used, the image is corrected in the direction that reduces its projected size.

Screen aspect ratio 16:10

Unit: meters

| Lens type                 |        |             |            | Zoom lens                |           |               |           |              |           |              |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|---------------|-----------|--------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300   |           | ET-D3LEW60   |           | ET-D3LEW600  |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.645-0.850:1            |           | 0.770-0.933:1 |           | 0.924-1.10:1 |           | 0.924-1.28:1 |           | 1.26-1.72:1 |           | 1.67-2.41:1 |           | 1.67-2.41:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |               |           |              |           |              |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |               |           |              |           |              |           |             |           |             |           |             |           |
| 1.778                     | 70     | 0.942       | 1.508      | -                        | -         | 1.15          | 1.40      | 1.36         | 1.63      | 1.35         | 1.87      | 1.85        | 2.54      | 2.46        | 3.58      | 2.46        | 3.58      |
| 2.032                     | 80     | 1.077       | 1.723      | -                        | -         | 1.31          | 1.60      | 1.56         | 1.87      | 1.55         | 2.16      | 2.13        | 2.92      | 2.82        | 4.11      | 2.83        | 4.11      |
| 2.286                     | 90     | 1.212       | 1.939      | -                        | -         | 1.48          | 1.80      | 1.77         | 2.11      | 1.76         | 2.44      | 2.40        | 3.30      | 3.19        | 4.64      | 3.20        | 4.63      |
| 2.540                     | 100    | 1.346       | 2.154      | -                        | -         | 1.65          | 2.00      | 1.97         | 2.35      | 1.96         | 2.73      | 2.68        | 3.68      | 3.55        | 5.17      | 3.56        | 5.16      |
| 3.048                     | 120    | 1.615       | 2.585      | -                        | -         | 1.98          | 2.41      | 2.38         | 2.84      | 2.37         | 3.30      | 3.23        | 4.43      | 4.28        | 6.22      | 4.29        | 6.22      |
| 3.810                     | 150    | 2.019       | 3.231      | -                        | -         | 2.49          | 3.02      | 2.98         | 3.57      | 2.99         | 4.15      | 4.06        | 5.57      | 5.37        | 7.81      | 5.39        | 7.80      |
| 5.080                     | 200    | 2.692       | 4.308      | 2.78                     | 3.66      | 3.32          | 4.03      | 4.00         | 4.78      | 4.01         | 5.58      | 5.44        | 7.45      | 7.19        | 10.45     | 7.22        | 10.44     |
| 6.350                     | 250    | 3.365       | 5.385      | 3.50                     | 4.61      | 4.16          | 5.04      | 5.01         | 6.00      | 5.03         | 7.00      | 6.83        | 9.34      | 9.00        | 13.09     | 9.04        | 13.08     |
| 7.620                     | 300    | 4.039       | 6.462      | 4.22                     | 5.55      | 5.00          | 6.05      | 6.02         | 7.21      | 6.05         | 8.42      | 8.21        | 11.23     | 10.82       | 15.73     | 10.87       | 15.72     |
| 8.890                     | 350    | 4.712       | 7.539      | 4.94                     | 6.49      | 5.83          | 7.07      | 7.04         | 8.42      | 7.08         | 9.85      | 9.59        | 13.12     | 12.64       | 18.37     | 12.70       | 18.36     |
| 10.160                    | 400    | 5.385       | 8.616      | 5.66                     | 7.44      | 6.67          | 8.08      | 8.05         | 9.64      | 8.10         | 11.27     | 10.97       | 15.01     | 14.46       | 21.01     | 14.53       | 21.00     |
| 12.700                    | 500    | 6.731       | 10.770     | 7.09                     | 9.32      | 8.35          | 10.11     | 10.08        | 12.07     | 10.15        | 14.12     | 13.74       | 18.79     | 18.09       | 26.29     | 18.18       | 26.28     |
| 15.240                    | 600    | 8.077       | 12.923     | 8.53                     | 11.21     | 10.02         | 12.13     | 12.10        | 14.49     | 12.19        | 16.96     | 16.50       | 22.57     | 21.73       | 31.58     | 21.84       | 31.56     |
| 17.780                    | 700    | 9.423       | 15.077     | -                        | -         | 11.70         | 14.16     | 14.13        | 16.92     | 14.24        | 19.81     | 19.27       | 26.35     | 25.36       | 36.86     | 25.49       | 36.84     |
| 20.320                    | 800    | 10.770      | 17.231     | -                        | -         | 13.37         | 16.18     | 16.16        | 19.35     | 16.28        | 22.66     | 22.03       | 30.13     | 29.00       | 42.14     | 29.15       | 42.12     |
| 22.860                    | 900    | 12.116      | 19.385     | -                        | -         | 15.05         | 18.21     | 18.18        | 21.78     | 18.33        | 25.51     | 24.80       | 33.90     | 32.63       | 47.42     | 32.80       | 47.40     |
| 25.400                    | 1000   | 13.462      | 21.539     | -                        | -         | 16.72         | 20.24     | 20.21        | 24.21     | 20.37        | 28.35     | 27.56       | 37.68     | 36.27       | 52.70     | 36.46       | 52.69     |

Unit: meters

| Lens type                 |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Throw ratio <sup>1</sup>  |        |             |            | 2.40-4.66:1             |           | 4.61-7.41:1 |           | 7.34-13.8:1 |           |
| Projection screen size    |        |             |            | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 0.942       | 1.508      | 3.54                    | 6.94      | 6.86        | 11.08     | 10.85       | 20.69     |
| 2.032                     | 80     | 1.077       | 1.723      | 4.06                    | 7.96      | 7.86        | 12.68     | 12.45       | 23.70     |
| 2.286                     | 90     | 1.212       | 1.939      | 4.59                    | 8.97      | 8.86        | 14.29     | 14.06       | 26.71     |
| 2.540                     | 100    | 1.346       | 2.154      | 5.11                    | 9.99      | 9.87        | 15.90     | 15.66       | 29.71     |
| 3.048                     | 120    | 1.615       | 2.585      | 6.16                    | 12.03     | 11.87       | 19.12     | 18.88       | 35.73     |
| 3.810                     | 150    | 2.019       | 3.231      | 7.73                    | 15.08     | 14.88       | 23.94     | 23.69       | 44.75     |
| 5.080                     | 200    | 2.692       | 4.308      | 10.34                   | 20.17     | 19.90       | 31.99     | 31.72       | 59.79     |
| 6.350                     | 250    | 3.365       | 5.385      | 12.96                   | 25.26     | 24.92       | 40.03     | 39.74       | 74.82     |
| 7.620                     | 300    | 4.039       | 6.462      | 15.58                   | 30.35     | 29.93       | 48.07     | 47.77       | 89.86     |
| 8.890                     | 350    | 4.712       | 7.539      | 18.20                   | 35.45     | 34.95       | 56.12     | 55.79       | 104.90    |
| 10.160                    | 400    | 5.385       | 8.616      | 20.81                   | 40.54     | 39.97       | 64.16     | 63.82       | 119.94    |
| 12.700                    | 500    | 6.731       | 10.770     | 26.05                   | 50.72     | 50.00       | 80.24     | 79.87       | 150.01    |
| 15.240                    | 600    | 8.077       | 12.923     | 31.28                   | 60.90     | 60.03       | 96.33     | 95.92       | 180.08    |
| 17.780                    | 700    | 9.423       | 15.077     | 36.52                   | 71.08     | 70.07       | 112.42    | 111.97      | -         |
| 20.320                    | 800    | 10.770      | 17.231     | 41.75                   | 81.26     | 80.10       | 128.50    | 128.02      | -         |
| 22.860                    | 900    | 12.116      | 19.385     | 46.99                   | 91.44     | 90.14       | 144.59    | 144.07      | -         |
| 25.400                    | 1000   | 13.462      | 21.539     | 52.22                   | 101.62    | 100.17      | 160.67    | 160.13      | -         |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 16:10

Unit: meters

| Lens type                 |        |             |            | Fixed-focal length lens  |            |                          |                                               |           |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.370:1                  | 0.694:1    | 0.364:1                  |                                               |           |
| Projection screen size    |        |             |            | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)      |
| m                         | inches |             |            |                          |            |                          |                                               |           |
| 1.778                     | 70     | 0.942       | 1.508      | -                        | 1.01       | -                        | -                                             | -         |
| 2.032                     | 80     | 1.077       | 1.723      | -                        | 1.16       | -                        | -                                             | -         |
| 2.286                     | 90     | 1.212       | 1.939      | -                        | 1.32       | -                        | -                                             | -         |
| 2.540                     | 100    | 1.346       | 2.154      | -                        | 1.47       | -                        | -                                             | -         |
| 3.048                     | 120    | 1.615       | 2.585      | -                        | 1.78       | 0.94                     | 0.05                                          | 0.18-0.34 |
| 3.810                     | 150    | 2.019       | 3.231      | -                        | 2.24       | 1.18                     | 0.28                                          | 0.25-0.46 |
| 5.080                     | 200    | 2.692       | 4.308      | 1.59                     | 3.01       | 1.56                     | 0.66                                          | 0.37-0.64 |
| 6.350                     | 250    | 3.365       | 5.385      | 2.01                     | 3.78       | 1.95                     | 1.05                                          | 0.50-0.83 |
| 7.620                     | 300    | 4.039       | 6.462      | 2.42                     | 4.56       | 2.33                     | 1.43                                          | 0.62-1.02 |
| 8.890                     | 350    | 4.712       | 7.539      | 2.84                     | 5.33       | 2.72                     | 1.82                                          | 0.74-1.21 |
| 10.160                    | 400    | 5.385       | 8.616      | 3.25                     | 6.10       | 3.10                     | 2.20                                          | 0.86-1.40 |
| 12.700                    | 500    | 6.731       | 10.770     | 4.08                     | 7.64       | 3.87                     | 2.97                                          | 1.10-1.77 |
| 15.240                    | 600    | 8.077       | 12.923     | 4.91                     | 9.18       | 4.64                     | 3.74                                          | 1.34-2.15 |
| 17.780                    | 700    | 9.423       | 15.077     | -                        | 10.72      | -                        | -                                             | -         |
| 20.320                    | 800    | 10.770      | 17.231     | -                        | 12.27      | -                        | -                                             | -         |
| 22.860                    | 900    | 12.116      | 19.385     | -                        | 13.81      | -                        | -                                             | -         |
| 25.400                    | 1000   | 13.462      | 21.539     | -                        | 15.35      | -                        | -                                             | -         |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 16:10

Unit: feet

| Lens type                 |        |             |            | Zoom lens                |           |               |           |              |           |              |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|---------------|-----------|--------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300   |           | ET-D3LEW60   |           | ET-D3LEW600  |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.645-0.850:1            |           | 0.770-0.933:1 |           | 0.924-1.10:1 |           | 0.924-1.28:1 |           | 1.26-1.72:1 |           | 1.67-2.41:1 |           | 1.67-2.41:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |               |           |              |           |              |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |               |           |              |           |              |           |             |           |             |           |             |           |
| 1.778                     | 70     | 0.942       | 1.508      | -                        | -         | 3.77          | 4.59      | 4.46         | 5.35      | 4.42         | 6.15      | 6.07        | 8.33      | 8.07        | 11.75     | 8.09        | 11.74     |
| 2.032                     | 80     | 1.077       | 1.723      | -                        | -         | 4.30          | 5.25      | 5.12         | 6.14      | 5.10         | 7.08      | 6.99        | 9.58      | 9.25        | 13.48     | 9.28        | 13.47     |
| 2.286                     | 90     | 1.212       | 1.939      | -                        | -         | 4.86          | 5.91      | 5.81         | 6.92      | 5.77         | 8.02      | 7.87        | 10.83     | 10.47       | 15.22     | 10.48       | 15.20     |
| 2.540                     | 100    | 1.346       | 2.154      | -                        | -         | 5.41          | 6.56      | 6.46         | 7.71      | 6.44         | 8.95      | 8.79        | 12.07     | 11.65       | 16.96     | 11.68       | 16.93     |
| 3.048                     | 120    | 1.615       | 2.585      | -                        | -         | 6.50          | 7.91      | 7.81         | 9.32      | 7.78         | 10.82     | 10.60       | 14.53     | 14.04       | 20.41     | 14.08       | 20.40     |
| 3.810                     | 150    | 2.019       | 3.231      | -                        | -         | 8.17          | 9.91      | 9.78         | 11.71     | 9.79         | 13.62     | 13.32       | 18.27     | 17.62       | 25.62     | 17.68       | 25.60     |
| 5.080                     | 200    | 2.692       | 4.308      | 9.12                     | 12.01     | 10.89         | 13.22     | 13.12        | 15.68     | 13.15        | 18.29     | 17.85       | 24.44     | 23.59       | 34.28     | 23.67       | 34.26     |
| 6.350                     | 250    | 3.365       | 5.385      | 11.48                    | 15.12     | 13.65         | 16.54     | 16.44        | 19.68     | 16.51        | 22.96     | 22.41       | 30.64     | 29.53       | 42.95     | 29.67       | 42.92     |
| 7.620                     | 300    | 4.039       | 6.462      | 13.84                    | 18.21     | 16.40         | 19.85     | 19.75        | 23.65     | 19.86        | 27.63     | 26.94       | 36.84     | 35.50       | 51.61     | 35.67       | 51.58     |
| 8.890                     | 350    | 4.712       | 7.539      | 16.21                    | 21.29     | 19.13         | 23.20     | 23.10        | 27.62     | 23.22        | 32.30     | 31.46       | 43.04     | 41.47       | 60.27     | 41.66       | 60.25     |
| 10.160                    | 400    | 5.385       | 8.616      | 18.57                    | 24.41     | 21.88         | 26.51     | 26.41        | 31.63     | 26.57        | 36.97     | 35.99       | 49.24     | 47.44       | 68.93     | 47.66       | 68.91     |
| 12.700                    | 500    | 6.731       | 10.770     | 23.26                    | 30.58     | 27.39         | 33.17     | 33.07        | 39.60     | 33.28        | 46.32     | 45.08       | 61.65     | 59.35       | 86.25     | 59.65       | 86.23     |
| 15.240                    | 600    | 8.077       | 12.923     | 27.99                    | 36.78     | 32.87         | 39.80     | 39.70        | 47.54     | 40.00        | 55.66     | 54.13       | 74.05     | 71.29       | 103.61    | 71.64       | 103.56    |
| 17.780                    | 700    | 9.423       | 15.077     | -                        | -         | 38.39         | 46.46     | 46.36        | 55.51     | 46.71        | 65.00     | 63.22       | 86.45     | 83.20       | 120.93    | 83.63       | 120.88    |
| 20.320                    | 800    | 10.770      | 17.231     | -                        | -         | 43.86         | 53.08     | 53.02        | 63.48     | 53.42        | 74.34     | 72.28       | 98.85     | 95.14       | 138.25    | 95.62       | 138.20    |
| 22.860                    | 900    | 12.116      | 19.385     | -                        | -         | 49.38         | 59.74     | 59.64        | 71.46     | 60.13        | 83.68     | 81.36       | 111.22    | 107.05      | 155.58    | 107.62      | 155.53    |
| 25.400                    | 1000   | 13.462      | 21.539     | -                        | -         | 54.85         | 66.40     | 66.30        | 79.43     | 66.84        | 93.02     | 90.42       | 123.62    | 118.99      | 172.90    | 119.61      | 172.85    |

Unit: feet

| Lens type                 |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Throw ratio <sup>1</sup>  |        |             |            | 2.40-4.66:1             |           | 4.61-7.41:1 |           | 7.34-13.8:1 |           |
| Projection screen size    |        |             |            | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 0.942       | 1.508      | 11.61                   | 22.77     | 22.51       | 36.35     | 35.60       | 67.88     |
| 2.032                     | 80     | 1.077       | 1.723      | 13.32                   | 26.12     | 25.79       | 41.60     | 40.85       | 77.75     |
| 2.286                     | 90     | 1.212       | 1.939      | 15.06                   | 29.43     | 29.07       | 46.88     | 46.13       | 87.63     |
| 2.540                     | 100    | 1.346       | 2.154      | 16.76                   | 32.78     | 32.38       | 52.16     | 51.38       | 97.47     |
| 3.048                     | 120    | 1.615       | 2.585      | 20.21                   | 39.47     | 38.94       | 62.73     | 61.94       | 117.22    |
| 3.810                     | 150    | 2.019       | 3.231      | 25.36                   | 49.47     | 48.82       | 78.54     | 77.72       | 146.82    |
| 5.080                     | 200    | 2.692       | 4.308      | 33.92                   | 66.17     | 65.29       | 104.95    | 104.07      | 196.16    |
| 6.350                     | 250    | 3.365       | 5.385      | 42.52                   | 82.87     | 81.76       | 131.33    | 130.38      | 245.47    |
| 7.620                     | 300    | 4.039       | 6.462      | 51.11                   | 99.57     | 98.19       | 157.71    | 156.72      | 294.81    |
| 8.890                     | 350    | 4.712       | 7.539      | 59.71                   | 116.30    | 114.66      | 184.12    | 183.04      | 344.16    |
| 10.160                    | 400    | 5.385       | 8.616      | 68.27                   | 133.00    | 131.13      | 210.50    | 209.38      | 393.50    |
| 12.700                    | 500    | 6.731       | 10.770     | 85.46                   | 166.40    | 164.04      | 263.25    | 262.04      | 492.15    |
| 15.240                    | 600    | 8.077       | 12.923     | 102.62                  | 199.80    | 196.95      | 316.04    | 314.69      | 590.81    |
| 17.780                    | 700    | 9.423       | 15.077     | 119.81                  | 233.20    | 229.89      | 368.83    | 367.35      | -         |
| 20.320                    | 800    | 10.770      | 17.231     | 136.97                  | 266.60    | 262.79      | 421.58    | 420.01      | -         |
| 22.860                    | 900    | 12.116      | 19.385     | 154.16                  | 300.00    | 295.73      | 474.37    | 472.66      | -         |
| 25.400                    | 1000   | 13.462      | 21.539     | 171.32                  | 333.39    | 328.64      | 527.13    | 525.35      | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 16:10

Unit: feet

| Lens type                 |        |             |            | Fixed-focal length lens  |            |                          |                                               |           |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.370:1                  | 0.694:1    | 0.364:1                  |                                               |           |
| Projection screen size    |        |             |            | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)      |
| m                         | inches |             |            |                          |            |                          |                                               |           |
| 1.778                     | 70     | 0.942       | 1.508      | -                        | 3.31       | -                        | -                                             | -         |
| 2.032                     | 80     | 1.077       | 1.723      | -                        | 3.81       | -                        | -                                             | -         |
| 2.286                     | 90     | 1.212       | 1.939      | -                        | 4.33       | -                        | -                                             | -         |
| 2.540                     | 100    | 1.346       | 2.154      | -                        | 4.82       | -                        | -                                             | -         |
| 3.048                     | 120    | 1.615       | 2.585      | -                        | 5.84       | 3.10                     | 0.16                                          | 0.59-1.12 |
| 3.810                     | 150    | 2.019       | 3.231      | -                        | 7.35       | 3.85                     | 0.92                                          | 0.83-1.49 |
| 5.080                     | 200    | 2.692       | 4.308      | 5.22                     | 9.88       | 5.12                     | 2.18                                          | 1.23-2.11 |
| 6.350                     | 250    | 3.365       | 5.385      | 6.59                     | 12.40      | 6.38                     | 3.44                                          | 1.63-2.73 |
| 7.620                     | 300    | 4.039       | 6.462      | 7.94                     | 14.96      | 7.64                     | 4.71                                          | 2.02-3.35 |
| 8.890                     | 350    | 4.712       | 7.539      | 9.32                     | 17.49      | 8.91                     | 5.97                                          | 2.42-3.97 |
| 10.160                    | 400    | 5.385       | 8.616      | 10.66                    | 20.01      | 10.17                    | 7.23                                          | 2.82-4.59 |
| 12.700                    | 500    | 6.731       | 10.770     | 13.39                    | 25.07      | 12.70                    | 9.76                                          | 3.61-5.82 |
| 15.240                    | 600    | 8.077       | 12.923     | 16.11                    | 30.12      | 15.22                    | 12.29                                         | 4.41-7.06 |
| 17.780                    | 700    | 9.423       | 15.077     | -                        | 35.17      | -                        | -                                             | -         |
| 20.320                    | 800    | 10.770      | 17.231     | -                        | 40.26      | -                        | -                                             | -         |
| 22.860                    | 900    | 12.116      | 19.385     | -                        | 45.31      | -                        | -                                             | -         |
| 25.400                    | 1000   | 13.462      | 21.539     | -                        | 50.36      | -                        | -                                             | -         |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

Screen aspect ratio 16:9

Unit: meters

| Lens type                 |        |             |            | Zoom lens                |           |               |           |              |           |              |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|---------------|-----------|--------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300   |           | ET-D3LEW60   |           | ET-D3LEW600  |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.646-0.851:1            |           | 0.770-0.933:1 |           | 0.924-1.10:1 |           | 0.925-1.28:1 |           | 1.26-1.72:1 |           | 1.67-2.41:1 |           | 1.67-2.41:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |               |           |              |           |              |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |               |           |              |           |              |           |             |           |             |           |             |           |
| 1.778                     | 70     | 0.872       | 1.550      | -                        | -         | 1.18          | 1.44      | 1.40         | 1.67      | 1.39         | 1.93      | 1.90        | 2.62      | 2.53        | 3.68      | 2.54        | 3.68      |
| 2.032                     | 80     | 0.996       | 1.771      | -                        | -         | 1.35          | 1.64      | 1.61         | 1.92      | 1.60         | 2.22      | 2.19        | 3.00      | 2.91        | 4.23      | 2.91        | 4.22      |
| 2.286                     | 90     | 1.121       | 1.992      | -                        | -         | 1.52          | 1.85      | 1.82         | 2.17      | 1.81         | 2.52      | 2.47        | 3.39      | 3.28        | 4.77      | 3.29        | 4.77      |
| 2.540                     | 100    | 1.245       | 2.214      | -                        | -         | 1.69          | 2.06      | 2.03         | 2.42      | 2.02         | 2.81      | 2.76        | 3.78      | 3.65        | 5.31      | 3.66        | 5.31      |
| 3.048                     | 120    | 1.494       | 2.657      | -                        | -         | 2.04          | 2.48      | 2.44         | 2.92      | 2.44         | 3.39      | 3.32        | 4.56      | 4.40        | 6.40      | 4.41        | 6.39      |
| 3.810                     | 150    | 1.868       | 3.321      | -                        | -         | 2.55          | 3.10      | 3.07         | 3.67      | 3.07         | 4.27      | 4.18        | 5.72      | 5.52        | 8.03      | 5.54        | 8.02      |
| 5.080                     | 200    | 2.491       | 4.428      | 2.86                     | 3.77      | 3.42          | 4.14      | 4.11         | 4.92      | 4.12         | 5.73      | 5.60        | 7.66      | 7.39        | 10.74     | 7.42        | 10.74     |
| 6.350                     | 250    | 3.113       | 5.535      | 3.60                     | 4.74      | 4.28          | 5.18      | 5.15         | 6.17      | 5.17         | 7.20      | 7.02        | 9.61      | 9.26        | 13.46     | 9.30        | 13.45     |
| 7.620                     | 300    | 3.736       | 6.641      | 4.34                     | 5.71      | 5.14          | 6.22      | 6.19         | 7.41      | 6.22         | 8.66      | 8.44        | 11.55     | 11.13       | 16.17     | 11.18       | 16.16     |
| 8.890                     | 350    | 4.358       | 7.748      | 5.08                     | 6.68      | 6.00          | 7.26      | 7.23         | 8.66      | 7.28         | 10.12     | 9.86        | 13.49     | 12.99       | 18.88     | 13.05       | 18.88     |
| 10.160                    | 400    | 4.981       | 8.855      | 5.82                     | 7.65      | 6.86          | 8.31      | 8.28         | 9.91      | 8.33         | 11.59     | 11.28       | 15.43     | 14.86       | 21.60     | 14.93       | 21.59     |
| 12.700                    | 500    | 6.226       | 11.069     | 7.29                     | 9.58      | 8.58          | 10.39     | 10.36        | 12.40     | 10.43        | 14.51     | 14.12       | 19.32     | 18.60       | 27.03     | 18.69       | 27.02     |
| 15.240                    | 600    | 7.472       | 13.283     | 8.77                     | 11.52     | 10.30         | 12.47     | 12.44        | 14.90     | 12.53        | 17.44     | 16.96       | 23.20     | 22.33       | 32.46     | 22.45       | 32.44     |
| 17.780                    | 700    | 8.717       | 15.497     | -                        | -         | 12.02         | 14.55     | 14.52        | 17.39     | 14.63        | 20.37     | 19.81       | 27.08     | 26.07       | 37.89     | 26.20       | 37.87     |
| 20.320                    | 800    | 9.962       | 17.710     | -                        | -         | 13.74         | 16.63     | 16.61        | 19.89     | 16.74        | 23.29     | 22.65       | 30.97     | 29.81       | 43.31     | 29.96       | 43.30     |
| 22.860                    | 900    | 11.207      | 19.924     | -                        | -         | 15.47         | 18.72     | 18.69        | 22.39     | 18.84        | 26.22     | 25.49       | 34.85     | 33.54       | 48.74     | 33.72       | 48.73     |
| 25.400                    | 1000   | 12.453      | 22.138     | -                        | -         | 17.19         | 20.80     | 20.77        | 24.88     | 20.94        | 29.14     | 28.33       | 38.73     | 37.28       | 54.17     | 37.47       | 54.15     |

Unit: meters

| Lens type                 |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Throw ratio <sup>1</sup>  |        |             |            | 2.40-4.66:1             |           | 4.61-7.41:1 |           | 7.34-13.8:1 |           |
| Projection screen size    |        |             |            | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 0.872       | 1.550      | 3.64                    | 7.14      | 7.05        | 11.39     | 11.16       | 21.28     |
| 2.032                     | 80     | 0.996       | 1.771      | 4.18                    | 8.18      | 8.08        | 13.04     | 12.81       | 24.37     |
| 2.286                     | 90     | 1.121       | 1.992      | 4.72                    | 9.23      | 9.11        | 14.70     | 14.46       | 27.46     |
| 2.540                     | 100    | 1.245       | 2.214      | 5.25                    | 10.28     | 10.15       | 16.35     | 16.11       | 30.55     |
| 3.048                     | 120    | 1.494       | 2.657      | 6.33                    | 12.37     | 12.21       | 19.66     | 19.41       | 36.73     |
| 3.810                     | 150    | 1.868       | 3.321      | 7.94                    | 15.51     | 15.30       | 24.61     | 24.36       | 46.00     |
| 5.080                     | 200    | 2.491       | 4.428      | 10.63                   | 20.74     | 20.46       | 32.88     | 32.61       | 61.46     |
| 6.350                     | 250    | 3.113       | 5.535      | 13.32                   | 25.97     | 25.61       | 41.15     | 40.86       | 76.91     |
| 7.620                     | 300    | 3.736       | 6.641      | 16.01                   | 31.20     | 30.77       | 49.41     | 49.11       | 92.37     |
| 8.890                     | 350    | 4.358       | 7.748      | 18.70                   | 36.44     | 35.93       | 57.68     | 57.35       | 107.82    |
| 10.160                    | 400    | 4.981       | 8.855      | 21.39                   | 41.67     | 41.08       | 65.95     | 65.60       | 123.28    |
| 12.700                    | 500    | 6.226       | 11.069     | 26.77                   | 52.13     | 51.40       | 82.48     | 82.10       | 154.19    |
| 15.240                    | 600    | 7.472       | 13.283     | 32.15                   | 62.60     | 61.71       | 99.01     | 98.60       | 185.10    |
| 17.780                    | 700    | 8.717       | 15.497     | 37.53                   | 73.06     | 72.02       | 115.55    | 115.10      | -         |
| 20.320                    | 800    | 9.962       | 17.710     | 42.92                   | 83.53     | 82.33       | 132.08    | 131.59      | -         |
| 22.860                    | 900    | 11.207      | 19.924     | 48.30                   | 93.99     | 92.65       | 148.61    | 148.09      | -         |
| 25.400                    | 1000   | 12.453      | 22.138     | 53.68                   | 104.45    | 102.96      | 165.15    | 164.59      | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

Screen aspect ratio 16:9

Unit: meters

| Lens type                 |        |             |            | Fixed-focal length lens  |            |                          |                                               |           |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.370:1                  | 0.695:1    | 0.364:1                  |                                               |           |
| Projection screen size    |        |             |            | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)      |
| m                         | inches |             |            |                          |            |                          |                                               |           |
| 1.778                     | 70     | 0.872       | 1.550      | -                        | 1.04       | -                        | -                                             | -         |
| 2.032                     | 80     | 0.996       | 1.771      | -                        | 1.20       | -                        | -                                             | -         |
| 2.286                     | 90     | 1.121       | 1.992      | -                        | 1.36       | -                        | -                                             | -         |
| 2.540                     | 100    | 1.245       | 2.214      | -                        | 1.51       | -                        | -                                             | -         |
| 3.048                     | 120    | 1.494       | 2.657      | -                        | 1.83       | 0.97                     | 0.07                                          | 0.27-0.44 |
| 3.810                     | 150    | 1.868       | 3.321      | -                        | 2.31       | 1.21                     | 0.31                                          | 0.37-0.57 |
| 5.080                     | 200    | 2.491       | 4.428      | 1.64                     | 3.10       | 1.60                     | 0.71                                          | 0.53-0.80 |
| 6.350                     | 250    | 3.113       | 5.535      | 2.06                     | 3.89       | 2.00                     | 1.10                                          | 0.69-1.03 |
| 7.620                     | 300    | 3.736       | 6.641      | 2.49                     | 4.68       | 2.39                     | 1.50                                          | 0.84-1.26 |
| 8.890                     | 350    | 4.358       | 7.748      | 2.92                     | 5.48       | 2.79                     | 1.89                                          | 1.00-1.49 |
| 10.160                    | 400    | 4.981       | 8.855      | 3.34                     | 6.27       | 3.19                     | 2.29                                          | 1.16-1.72 |
| 12.700                    | 500    | 6.226       | 11.069     | 4.19                     | 7.85       | 3.98                     | 3.08                                          | 1.48-2.17 |
| 15.240                    | 600    | 7.472       | 13.283     | 5.05                     | 9.44       | 4.77                     | 3.87                                          | 1.80-2.63 |
| 17.780                    | 700    | 8.717       | 15.497     | -                        | 11.02      | -                        | -                                             | -         |
| 20.320                    | 800    | 9.962       | 17.710     | -                        | 12.61      | -                        | -                                             | -         |
| 22.860                    | 900    | 11.207      | 19.924     | -                        | 14.19      | -                        | -                                             | -         |
| 25.400                    | 1000   | 12.453      | 22.138     | -                        | 15.78      | -                        | -                                             | -         |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

Screen aspect ratio 16:9

Unit: feet

| Lens type                 |        |             |            | Zoom lens                |           |               |           |              |           |              |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|---------------|-----------|--------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300   |           | ET-D3LEW60   |           | ET-D3LEW600  |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.646-0.851:1            |           | 0.770-0.933:1 |           | 0.924-1.10:1 |           | 0.925-1.28:1 |           | 1.26-1.72:1 |           | 1.67-2.41:1 |           | 1.67-2.41:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |               |           |              |           |              |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |               |           |              |           |              |           |             |           |             |           |             |           |
| 1.778                     | 70     | 0.872       | 1.550      | -                        | -         | 3.87          | 4.72      | 4.59         | 5.48      | 4.55         | 6.33      | 6.23        | 8.60      | 8.30        | 12.07     | 8.32        | 12.07     |
| 2.032                     | 80     | 0.996       | 1.771      | -                        | -         | 4.43          | 5.38      | 5.28         | 6.30      | 5.24         | 7.29      | 7.18        | 9.84      | 9.55        | 13.88     | 9.55        | 13.86     |
| 2.286                     | 90     | 1.121       | 1.992      | -                        | -         | 4.99          | 6.07      | 5.97         | 7.12      | 5.93         | 8.25      | 8.10        | 11.12     | 10.76       | 15.65     | 10.78       | 15.64     |
| 2.540                     | 100    | 1.245       | 2.214      | -                        | -         | 5.54          | 6.76      | 6.66         | 7.94      | 6.62         | 9.21      | 9.06        | 12.40     | 11.97       | 17.42     | 12.02       | 17.42     |
| 3.048                     | 120    | 1.494       | 2.657      | -                        | -         | 6.69          | 8.14      | 8.01         | 9.58      | 8.00         | 11.13     | 10.89       | 14.96     | 14.44       | 21.00     | 14.48       | 20.98     |
| 3.810                     | 150    | 1.868       | 3.321      | -                        | -         | 8.37          | 10.17     | 10.07        | 12.04     | 10.07        | 14.01     | 13.71       | 18.77     | 18.11       | 26.34     | 18.18       | 26.32     |
| 5.080                     | 200    | 2.491       | 4.428      | 9.38                     | 12.37     | 11.22         | 13.58     | 13.48        | 16.14     | 13.52        | 18.81     | 18.37       | 25.13     | 24.25       | 35.24     | 24.34       | 35.22     |
| 6.350                     | 250    | 3.113       | 5.535      | 11.81                    | 15.55     | 14.04         | 16.99     | 16.90        | 20.24     | 16.97        | 23.61     | 23.03       | 31.53     | 30.38       | 44.16     | 30.50       | 44.13     |
| 7.620                     | 300    | 3.736       | 6.641      | 14.24                    | 18.73     | 16.86         | 20.41     | 20.31        | 24.31     | 20.42        | 28.41     | 27.69       | 37.89     | 36.52       | 53.05     | 36.67       | 53.03     |
| 8.890                     | 350    | 4.358       | 7.748      | 16.67                    | 21.92     | 19.68         | 23.82     | 23.72        | 28.41     | 23.87        | 33.21     | 32.35       | 44.26     | 42.62       | 61.94     | 42.83       | 61.93     |
| 10.160                    | 400    | 4.981       | 8.855      | 19.09                    | 25.10     | 22.51         | 27.26     | 27.17        | 32.51     | 27.32        | 38.01     | 37.01       | 50.62     | 48.75       | 70.87     | 48.99       | 70.83     |
| 12.700                    | 500    | 6.226       | 11.069     | 23.92                    | 31.43     | 28.15         | 34.09     | 33.99        | 40.68     | 34.22        | 47.62     | 46.32       | 63.39     | 61.02       | 88.68     | 61.32       | 88.64     |
| 15.240                    | 600    | 7.472       | 13.283     | 28.77                    | 37.79     | 33.79         | 40.91     | 40.81        | 48.88     | 41.12        | 57.22     | 55.64       | 76.11     | 73.26       | 106.49    | 73.64       | 106.45    |
| 17.780                    | 700    | 8.717       | 15.497     | -                        | -         | 39.44         | 47.74     | 47.64        | 57.05     | 48.01        | 66.82     | 64.99       | 88.84     | 85.53       | 124.31    | 85.97       | 124.25    |
| 20.320                    | 800    | 9.962       | 17.710     | -                        | -         | 45.08         | 54.56     | 54.49        | 65.26     | 54.91        | 76.42     | 74.31       | 101.61    | 97.80       | 142.09    | 98.29       | 142.06    |
| 22.860                    | 900    | 11.207      | 19.924     | -                        | -         | 50.75         | 61.42     | 61.32        | 73.46     | 61.81        | 86.02     | 83.63       | 114.34    | 110.04      | 159.91    | 110.62      | 159.86    |
| 25.400                    | 1000   | 12.453      | 22.138     | -                        | -         | 56.40         | 68.24     | 68.14        | 81.63     | 68.71        | 95.62     | 92.95       | 127.07    | 122.31      | 177.72    | 122.94      | 177.67    |

Unit: feet

| Lens type                 |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Throw ratio <sup>1</sup>  |        |             |            | 2.40-4.66:1             |           | 4.61-7.41:1 |           | 7.34-13.8:1 |           |
| Projection screen size    |        |             |            | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 0.872       | 1.550      | 11.94                   | 23.42     | 23.13       | 37.37     | 36.61       | 69.82     |
| 2.032                     | 80     | 0.996       | 1.771      | 13.71                   | 26.84     | 26.51       | 42.78     | 42.03       | 79.95     |
| 2.286                     | 90     | 1.121       | 1.992      | 15.49                   | 30.28     | 29.89       | 48.23     | 47.44       | 90.09     |
| 2.540                     | 100    | 1.245       | 2.214      | 17.22                   | 33.73     | 33.30       | 53.64     | 52.85       | 100.23    |
| 3.048                     | 120    | 1.494       | 2.657      | 20.77                   | 40.58     | 40.06       | 64.50     | 63.68       | 120.50    |
| 3.810                     | 150    | 1.868       | 3.321      | 26.05                   | 50.89     | 50.20       | 80.74     | 79.92       | 150.92    |
| 5.080                     | 200    | 2.491       | 4.428      | 34.87                   | 68.04     | 67.13       | 107.87    | 106.99      | 201.64    |
| 6.350                     | 250    | 3.113       | 5.535      | 43.70                   | 85.20     | 84.02       | 135.00    | 134.05      | 252.33    |
| 7.620                     | 300    | 3.736       | 6.641      | 52.53                   | 102.36    | 100.95      | 162.10    | 161.12      | 303.05    |
| 8.890                     | 350    | 4.358       | 7.748      | 61.35                   | 119.55    | 117.88      | 189.24    | 188.15      | 353.74    |
| 10.160                    | 400    | 4.981       | 8.855      | 70.18                   | 136.71    | 134.78      | 216.37    | 215.22      | 404.46    |
| 12.700                    | 500    | 6.226       | 11.069     | 87.83                   | 171.03    | 168.63      | 270.60    | 269.35      | 505.87    |
| 15.240                    | 600    | 7.472       | 13.283     | 105.48                  | 205.38    | 202.46      | 324.83    | 323.49      | 607.28    |
| 17.780                    | 700    | 8.717       | 15.497     | 123.13                  | 239.70    | 236.28      | 379.10    | 377.62      | -         |
| 20.320                    | 800    | 9.962       | 17.710     | 140.81                  | 274.05    | 270.11      | 433.33    | 431.72      | -         |
| 22.860                    | 900    | 11.207      | 19.924     | 158.46                  | 308.36    | 303.97      | 487.56    | 485.85      | -         |
| 25.400                    | 1000   | 12.453      | 22.138     | 176.11                  | 342.68    | 337.79      | 541.82    | 539.99      | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

Screen aspect ratio 16:9

Unit: feet

| Lens type                 |        |             |            | Fixed-focal length lens  |            |                          |                                               |           |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.370:1                  | 0.695:1    | 0.364:1                  |                                               |           |
| Projection screen size    |        |             |            | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)      |
| m                         | inches |             |            |                          |            |                          |                                               |           |
| 1.778                     | 70     | 0.872       | 1.550      | -                        | 3.41       | -                        | -                                             | -         |
| 2.032                     | 80     | 0.996       | 1.771      | -                        | 3.94       | -                        | -                                             | -         |
| 2.286                     | 90     | 1.121       | 1.992      | -                        | 4.46       | -                        | -                                             | -         |
| 2.540                     | 100    | 1.245       | 2.214      | -                        | 4.95       | -                        | -                                             | -         |
| 3.048                     | 120    | 1.494       | 2.657      | -                        | 6.00       | 3.18                     | 0.24                                          | 0.89-1.44 |
| 3.810                     | 150    | 1.868       | 3.321      | -                        | 7.58       | 3.96                     | 1.02                                          | 1.21-1.89 |
| 5.080                     | 200    | 2.491       | 4.428      | 5.38                     | 10.17      | 5.26                     | 2.32                                          | 1.73-2.64 |
| 6.350                     | 250    | 3.113       | 5.535      | 6.76                     | 12.76      | 6.56                     | 3.62                                          | 2.25-3.38 |
| 7.620                     | 300    | 3.736       | 6.641      | 8.17                     | 15.35      | 7.86                     | 4.92                                          | 2.77-4.13 |
| 8.890                     | 350    | 4.358       | 7.748      | 9.58                     | 17.98      | 9.15                     | 6.22                                          | 3.29-4.88 |
| 10.160                    | 400    | 4.981       | 8.855      | 10.96                    | 20.57      | 10.45                    | 7.51                                          | 3.82-5.63 |
| 12.700                    | 500    | 6.226       | 11.069     | 13.75                    | 25.75      | 13.05                    | 10.11                                         | 4.86-7.13 |
| 15.240                    | 600    | 7.472       | 13.283     | 16.57                    | 30.97      | 15.64                    | 12.71                                         | 5.90-8.63 |
| 17.780                    | 700    | 8.717       | 15.497     | -                        | 36.15      | -                        | -                                             | -         |
| 20.320                    | 800    | 9.962       | 17.710     | -                        | 41.37      | -                        | -                                             | -         |
| 22.860                    | 900    | 11.207      | 19.924     | -                        | 46.55      | -                        | -                                             | -         |
| 25.400                    | 1000   | 12.453      | 22.138     | -                        | 51.77      | -                        | -                                             | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 4:3

Unit: meters

| Lens type                 |        |             |            | Zoom lens                |           |              |           |             |           |             |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300  |           | ET-D3LEW60  |           | ET-D3LEW600 |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.778-1.02:1             |           | 0.925-1.12:1 |           | 1.12-1.32:1 |           | 1.12-1.54:1 |           | 1.52-2.07:1 |           | 2.00-2.90:1 |           | 2.01-2.90:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |              |           |             |           |             |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |              |           |             |           |             |           |             |           |             |           |             |           |
| 1.778                     | 70     | 1.067       | 1.422      | -                        | -         | 1.30         | 1.58      | 1.55        | 1.85      | 1.54        | 2.14      | 2.10        | 2.89      | 2.80        | 4.07      | 2.80        | 4.07      |
| 2.032                     | 80     | 1.219       | 1.626      | -                        | -         | 1.49         | 1.81      | 1.78        | 2.13      | 1.77        | 2.46      | 2.42        | 3.32      | 3.21        | 4.67      | 3.22        | 4.66      |
| 2.286                     | 90     | 1.372       | 1.829      | -                        | -         | 1.68         | 2.04      | 2.01        | 2.40      | 2.00        | 2.78      | 2.73        | 3.75      | 3.62        | 5.27      | 3.63        | 5.26      |
| 2.540                     | 100    | 1.524       | 2.032      | -                        | -         | 1.87         | 2.27      | 2.24        | 2.68      | 2.23        | 3.10      | 3.04        | 4.18      | 4.03        | 5.86      | 4.04        | 5.86      |
| 3.048                     | 120    | 1.829       | 2.438      | -                        | -         | 2.25         | 2.73      | 2.70        | 3.22      | 2.70        | 3.75      | 3.67        | 5.03      | 4.86        | 7.06      | 4.87        | 7.05      |
| 3.810                     | 150    | 2.286       | 3.048      | -                        | -         | 2.82         | 3.42      | 3.38        | 4.05      | 3.39        | 4.72      | 4.61        | 6.31      | 6.09        | 8.85      | 6.11        | 8.85      |
| 5.080                     | 200    | 3.048       | 4.064      | 3.16                     | 4.16      | 3.77         | 4.56      | 4.53        | 5.42      | 4.55        | 6.33      | 6.17        | 8.45      | 8.15        | 11.84     | 8.18        | 11.84     |
| 6.350                     | 250    | 3.810       | 5.080      | 3.97                     | 5.23      | 4.71         | 5.71      | 5.68        | 6.80      | 5.71        | 7.94      | 7.74        | 10.59     | 10.20       | 14.83     | 10.25       | 14.83     |
| 7.620                     | 300    | 4.572       | 6.096      | 4.79                     | 6.30      | 5.66         | 6.86      | 6.83        | 8.17      | 6.86        | 9.55      | 9.30        | 12.73     | 12.26       | 17.82     | 12.32       | 17.81     |
| 8.890                     | 350    | 5.334       | 7.112      | 5.60                     | 7.37      | 6.61         | 8.00      | 7.97        | 9.55      | 8.02        | 11.16     | 10.87       | 14.87     | 14.32       | 20.81     | 14.39       | 20.80     |
| 10.160                    | 400    | 6.096       | 8.128      | 6.42                     | 8.43      | 7.56         | 9.15      | 9.12        | 10.92     | 9.18        | 12.77     | 12.43       | 17.01     | 16.38       | 23.80     | 16.46       | 23.79     |
| 12.700                    | 500    | 7.620       | 10.160     | 8.05                     | 10.57     | 9.45         | 11.44     | 11.41       | 13.67     | 11.50       | 16.00     | 15.56       | 21.29     | 20.49       | 29.78     | 20.60       | 29.77     |
| 15.240                    | 600    | 9.144       | 12.192     | 9.67                     | 12.70     | 11.35        | 13.74     | 13.71       | 16.42     | 13.81       | 19.22     | 18.69       | 25.56     | 24.61       | 35.76     | 24.73       | 35.75     |
| 17.780                    | 700    | 10.668      | 14.224     | -                        | -         | 13.25        | 16.03     | 16.00       | 19.17     | 16.13       | 22.44     | 21.82       | 29.84     | 28.72       | 41.74     | 28.87       | 41.73     |
| 20.320                    | 800    | 12.192      | 16.256     | -                        | -         | 15.14        | 18.32     | 18.30       | 21.92     | 18.44       | 25.67     | 24.95       | 34.12     | 32.84       | 47.72     | 33.01       | 47.70     |
| 22.860                    | 900    | 13.716      | 18.288     | -                        | -         | 17.04        | 20.62     | 20.59       | 24.66     | 20.76       | 28.89     | 28.09       | 38.40     | 36.95       | 53.70     | 37.15       | 53.68     |
| 25.400                    | 1000   | 15.240      | 20.320     | -                        | -         | 18.93        | 22.91     | 22.89       | 27.41     | 23.07       | 32.11     | 31.22       | 42.67     | 41.07       | 59.68     | 41.29       | 59.66     |

Unit: meters

| Projection lens Model No. |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Throw ratio <sup>1</sup>  |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Projection screen size    |        |             |            | 2.88-5.61:1             |           | 5.54-8.90:1 |           | 8.82-16.6:1 |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 1.067       | 1.422      | 4.02                    | 7.88      | 7.78        | 12.56     | 12.33       | 23.47     |
| 2.032                     | 80     | 1.219       | 1.626      | 4.61                    | 9.03      | 8.92        | 14.38     | 14.15       | 26.88     |
| 2.286                     | 90     | 1.372       | 1.829      | 5.21                    | 10.18     | 10.06       | 16.20     | 15.97       | 30.28     |
| 2.540                     | 100    | 1.524       | 2.032      | 5.80                    | 11.34     | 11.19       | 18.03     | 17.78       | 33.69     |
| 3.048                     | 120    | 1.829       | 2.438      | 6.99                    | 13.64     | 13.46       | 21.67     | 21.42       | 40.50     |
| 3.810                     | 150    | 2.286       | 3.048      | 8.76                    | 17.10     | 16.87       | 27.13     | 26.87       | 50.71     |
| 5.080                     | 200    | 3.048       | 4.064      | 11.73                   | 22.86     | 22.55       | 36.24     | 35.96       | 67.73     |
| 6.350                     | 250    | 3.810       | 5.080      | 14.69                   | 28.63     | 28.23       | 45.34     | 45.04       | 84.75     |
| 7.620                     | 300    | 4.572       | 6.096      | 17.65                   | 34.39     | 33.91       | 54.45     | 54.13       | 101.78    |
| 8.890                     | 350    | 5.334       | 7.112      | 20.61                   | 40.15     | 39.59       | 63.55     | 63.21       | 118.80    |
| 10.160                    | 400    | 6.096       | 8.128      | 23.58                   | 45.91     | 45.27       | 72.66     | 72.30       | 135.82    |
| 12.700                    | 500    | 7.620       | 10.160     | 29.50                   | 57.44     | 56.63       | 90.87     | 90.47       | 169.87    |
| 15.240                    | 600    | 9.144       | 12.192     | 35.43                   | 68.97     | 67.99       | 109.08    | 108.64      | 203.91    |
| 17.780                    | 700    | 10.668      | 14.224     | 41.36                   | 80.49     | 79.35       | 127.29    | 126.81      | -         |
| 20.320                    | 800    | 12.192      | 16.256     | 47.28                   | 92.02     | 90.70       | 145.50    | 144.98      | -         |
| 22.860                    | 900    | 13.716      | 18.288     | 53.21                   | 103.54    | 102.06      | 163.71    | 163.15      | -         |
| 25.400                    | 1000   | 15.240      | 20.320     | 59.13                   | 115.03    | 113.42      | 181.92    | 181.33      | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 4:3

Unit: meters

| Projection lens Model No. |        |             |            | Fixed-focal length lens  |            |                          |                                               |           |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|-----------|
| Throw ratio <sup>1</sup>  |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |           |
| Projection screen size    |        |             |            | 0.446:1                  | 0.836:1    | 0.436:1                  |                                               |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)      |
| m                         | inches |             |            |                          |            |                          |                                               |           |
| 1.778                     | 70     | 1.067       | 1.422      | -                        | 1.15       | -                        | -                                             | -         |
| 2.032                     | 80     | 1.219       | 1.626      | -                        | 1.33       | -                        | -                                             | -         |
| 2.286                     | 90     | 1.372       | 1.829      | -                        | 1.50       | -                        | -                                             | -         |
| 2.540                     | 100    | 1.524       | 2.032      | -                        | 1.67       | -                        | -                                             | -         |
| 3.048                     | 120    | 1.829       | 2.438      | -                        | 2.02       | 1.07                     | 0.17                                          | 0.22-0.40 |
| 3.810                     | 150    | 2.286       | 3.048      | -                        | 2.55       | 1.33                     | 0.43                                          | 0.30-0.53 |
| 5.080                     | 200    | 3.048       | 4.064      | 1.81                     | 3.42       | 1.76                     | 0.87                                          | 0.44-0.74 |
| 6.350                     | 250    | 3.810       | 5.080      | 2.28                     | 4.29       | 2.20                     | 1.30                                          | 0.58-0.96 |
| 7.620                     | 300    | 4.572       | 6.096      | 2.75                     | 5.17       | 2.64                     | 1.74                                          | 0.71-1.17 |
| 8.890                     | 350    | 5.334       | 7.112      | 3.22                     | 6.04       | 3.07                     | 2.18                                          | 0.85-1.38 |
| 10.160                    | 400    | 6.096       | 8.128      | 3.69                     | 6.91       | 3.51                     | 2.61                                          | 0.99-1.60 |
| 12.700                    | 500    | 7.620       | 10.160     | 4.63                     | 8.66       | 4.38                     | 3.48                                          | 1.26-2.02 |
| 15.240                    | 600    | 9.144       | 12.192     | 5.56                     | 10.40      | 5.25                     | 4.35                                          | 1.54-2.45 |
| 17.780                    | 700    | 10.668      | 14.224     | -                        | 12.15      | -                        | -                                             | -         |
| 20.320                    | 800    | 12.192      | 16.256     | -                        | 13.90      | -                        | -                                             | -         |
| 22.860                    | 900    | 13.716      | 18.288     | -                        | 15.64      | -                        | -                                             | -         |
| 25.400                    | 1000   | 15.240      | 20.320     | -                        | 17.39      | -                        | -                                             | -         |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 4:3

Unit: feet

| Lens type                 |        |             |            | Zoom lens                |           |              |           |             |           |             |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300  |           | ET-D3LEW60  |           | ET-D3LEW600 |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.778-1.02:1             |           | 0.925-1.12:1 |           | 1.12-1.32:1 |           | 1.12-1.54:1 |           | 1.52-2.07:1 |           | 2.00-2.90:1 |           | 2.01-2.90:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |              |           |             |           |             |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |              |           |             |           |             |           |             |           |             |           |             |           |
| 1.778                     | 70     | 1.067       | 1.422      | -                        | -         | 4.27         | 5.18      | 5.09        | 6.07      | 5.04        | 7.01      | 6.89        | 9.48      | 9.19        | 13.35     | 9.19        | 13.34     |
| 2.032                     | 80     | 1.219       | 1.626      | -                        | -         | 4.89         | 5.94      | 5.84        | 6.99      | 5.80        | 8.07      | 7.94        | 10.89     | 10.53       | 15.32     | 10.55       | 15.30     |
| 2.286                     | 90     | 1.372       | 1.829      | -                        | -         | 5.51         | 6.69      | 6.59        | 7.87      | 6.56        | 9.13      | 8.96        | 12.30     | 11.88       | 17.29     | 11.91       | 17.26     |
| 2.540                     | 100    | 1.524       | 2.032      | -                        | -         | 6.14         | 7.45      | 7.35        | 8.79      | 7.32        | 10.19     | 9.97        | 13.71     | 13.22       | 19.23     | 13.27       | 19.22     |
| 3.048                     | 120    | 1.829       | 2.438      | -                        | -         | 7.38         | 8.96      | 8.86        | 10.56     | 8.84        | 12.30     | 12.04       | 16.50     | 15.94       | 23.16     | 15.98       | 23.15     |
| 3.810                     | 150    | 2.286       | 3.048      | -                        | -         | 9.25         | 11.22     | 11.09       | 13.29     | 11.12       | 15.47     | 15.12       | 20.70     | 19.98       | 29.04     | 20.06       | 29.03     |
| 5.080                     | 200    | 3.048       | 4.064      | 10.37                    | 13.65     | 12.37        | 14.96     | 14.86       | 17.78     | 14.92       | 20.76     | 20.24       | 27.72     | 26.74       | 38.84     | 26.84       | 38.84     |
| 6.350                     | 250    | 3.810       | 5.080      | 13.02                    | 17.16     | 15.45        | 18.73     | 18.63       | 22.31     | 18.72       | 26.05     | 25.39       | 34.74     | 33.46       | 48.65     | 33.63       | 48.64     |
| 7.620                     | 300    | 4.572       | 6.096      | 15.72                    | 20.67     | 18.57        | 22.51     | 22.41       | 26.80     | 22.52       | 31.34     | 30.51       | 41.76     | 40.22       | 58.46     | 40.42       | 58.45     |
| 8.890                     | 350    | 5.334       | 7.112      | 18.37                    | 24.18     | 21.69        | 26.25     | 26.15       | 31.33     | 26.32       | 36.62     | 35.66       | 48.79     | 46.98       | 68.27     | 47.21       | 68.25     |
| 10.160                    | 400    | 6.096       | 8.128      | 21.06                    | 27.66     | 24.80        | 30.02     | 29.92       | 35.83     | 30.12       | 41.91     | 40.78       | 55.81     | 53.74       | 78.08     | 53.99       | 78.06     |
| 12.700                    | 500    | 7.620       | 10.160     | 26.41                    | 34.68     | 31.00        | 37.53     | 37.43       | 44.85     | 37.71       | 52.49     | 51.05       | 69.85     | 67.22       | 97.70     | 67.57       | 97.67     |
| 15.240                    | 600    | 9.144       | 12.192     | 31.73                    | 41.67     | 37.24        | 45.08     | 44.98       | 53.87     | 45.31       | 63.06     | 61.32       | 83.86     | 80.74       | 117.32    | 81.15       | 117.29    |
| 17.780                    | 700    | 10.668      | 14.224     | -                        | -         | 43.47        | 52.59     | 52.49       | 62.89     | 52.91       | 73.64     | 71.59       | 97.90     | 94.22       | 136.94    | 94.72       | 136.90    |
| 20.320                    | 800    | 12.192      | 16.256     | -                        | -         | 49.67        | 60.10     | 60.04       | 71.92     | 60.51       | 84.21     | 81.86       | 111.94    | 107.74      | 156.56    | 108.30      | 156.51    |
| 22.860                    | 900    | 13.716      | 18.288     | -                        | -         | 55.90        | 67.65     | 67.55       | 80.90     | 68.10       | 94.79     | 92.16       | 125.98    | 121.23      | 176.18    | 121.87      | 176.12    |
| 25.400                    | 1000   | 15.240      | 20.320     | -                        | -         | 62.11        | 75.16     | 75.10       | 89.93     | 75.70       | 105.36    | 102.43      | 139.99    | 134.74      | 195.80    | 135.45      | 195.74    |

Unit: feet

| Projection lens Model No. |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Throw ratio <sup>1</sup>  |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Projection screen size    |        |             |            | 2.88-5.61:1             |           | 5.54-8.90:1 |           | 8.82-16.6:1 |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 1.067       | 1.422      | 13.19                   | 25.85     | 25.52       | 41.21     | 40.45       | 77.00     |
| 2.032                     | 80     | 1.219       | 1.626      | 15.12                   | 29.63     | 29.26       | 47.18     | 46.42       | 88.19     |
| 2.286                     | 90     | 1.372       | 1.829      | 17.09                   | 33.40     | 33.00       | 53.15     | 52.39       | 99.34     |
| 2.540                     | 100    | 1.524       | 2.032      | 19.03                   | 37.20     | 36.71       | 59.15     | 58.33       | 110.53    |
| 3.048                     | 120    | 1.829       | 2.438      | 22.93                   | 44.75     | 44.16       | 71.09     | 70.27       | 132.87    |
| 3.810                     | 150    | 2.286       | 3.048      | 28.74                   | 56.10     | 55.35       | 89.01     | 88.16       | 166.37    |
| 5.080                     | 200    | 3.048       | 4.064      | 38.48                   | 75.00     | 73.98       | 118.90    | 117.98      | 222.21    |
| 6.350                     | 250    | 3.810       | 5.080      | 48.19                   | 93.93     | 92.62       | 148.75    | 147.77      | 278.05    |
| 7.620                     | 300    | 4.572       | 6.096      | 57.91                   | 112.83    | 111.25      | 178.64    | 177.59      | 333.92    |
| 8.890                     | 350    | 5.334       | 7.112      | 67.62                   | 131.72    | 129.89      | 208.49    | 207.38      | 389.76    |
| 10.160                    | 400    | 6.096       | 8.128      | 77.36                   | 150.62    | 148.52      | 238.38    | 237.20      | 445.60    |
| 12.700                    | 500    | 7.620       | 10.160     | 96.78                   | 188.45    | 185.79      | 298.13    | 296.81      | 557.31    |
| 15.240                    | 600    | 9.144       | 12.192     | 116.24                  | 226.28    | 223.06      | 357.87    | 356.43      | 668.99    |
| 17.780                    | 700    | 10.668      | 14.224     | 135.69                  | 264.07    | 260.33      | 417.61    | 416.04      | -         |
| 20.320                    | 800    | 12.192      | 16.256     | 155.12                  | 301.90    | 297.57      | 477.36    | 475.65      | -         |
| 22.860                    | 900    | 13.716      | 18.288     | 174.57                  | 339.69    | 334.84      | 537.10    | 535.26      | -         |
| 25.400                    | 1000   | 15.240      | 20.320     | 193.99                  | 377.39    | 372.11      | 596.84    | 594.91      | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 4:3

Unit: feet

| Projection lens Model No. |        |             |            | Fixed-focal length lens  |            |                          |                                               |           |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|-----------|
| Throw ratio <sup>1</sup>  |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |           |
| Projection screen size    |        |             |            | 0.446:1                  | 0.836:1    | 0.436:1                  |                                               |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)      |
| m                         | inches |             |            |                          |            |                          |                                               |           |
| 1.778                     | 70     | 1.067       | 1.422      | -                        | 3.77       | -                        | -                                             | -         |
| 2.032                     | 80     | 1.219       | 1.626      | -                        | 4.36       | -                        | -                                             | -         |
| 2.286                     | 90     | 1.372       | 1.829      | -                        | 4.92       | -                        | -                                             | -         |
| 2.540                     | 100    | 1.524       | 2.032      | -                        | 5.48       | -                        | -                                             | -         |
| 3.048                     | 120    | 1.829       | 2.438      | -                        | 6.63       | 3.50                     | 0.56                                          | 0.72-1.32 |
| 3.810                     | 150    | 2.286       | 3.048      | -                        | 8.37       | 4.36                     | 1.42                                          | 0.99-1.74 |
| 5.080                     | 200    | 3.048       | 4.064      | 5.94                     | 11.22      | 5.79                     | 2.85                                          | 1.44-2.44 |
| 6.350                     | 250    | 3.810       | 5.080      | 7.48                     | 14.07      | 7.22                     | 4.28                                          | 1.89-3.14 |
| 7.620                     | 300    | 4.572       | 6.096      | 9.02                     | 16.96      | 8.65                     | 5.71                                          | 2.34-3.84 |
| 8.890                     | 350    | 5.334       | 7.112      | 10.56                    | 19.82      | 10.08                    | 7.14                                          | 2.79-4.54 |
| 10.160                    | 400    | 6.096       | 8.128      | 12.11                    | 22.67      | 11.51                    | 8.57                                          | 3.24-5.24 |
| 12.700                    | 500    | 7.620       | 10.160     | 15.19                    | 28.41      | 14.37                    | 11.43                                         | 4.14-6.64 |
| 15.240                    | 600    | 9.144       | 12.192     | 18.24                    | 34.12      | 17.23                    | 14.29                                         | 5.04-8.04 |
| 17.780                    | 700    | 10.668      | 14.224     | -                        | 39.86      | -                        | -                                             | -         |
| 20.320                    | 800    | 12.192      | 16.256     | -                        | 45.60      | -                        | -                                             | -         |
| 22.860                    | 900    | 13.716      | 18.288     | -                        | 51.31      | -                        | -                                             | -         |
| 25.400                    | 1000   | 15.240      | 20.320     | -                        | 57.05      | -                        | -                                             | -         |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 21:9

Unit: meters

| Lens type                 |        |             |            | Zoom lens                |           |               |           |              |           |             |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300   |           | ET-D3LEW60   |           | ET-D3LEW600 |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.649-0.854:1            |           | 0.772-0.936:1 |           | 0.927-1.10:1 |           | 0.93-1.29:1 |           | 1.27-1.72:1 |           | 1.67-2.42:1 |           | 1.67-2.42:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |               |           |              |           |             |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |               |           |              |           |             |           |             |           |             |           |             |           |
| 1.778                     | 70     | 0.700       | 1.634      | -                        | -         | 1.25          | 1.52      | 1.48         | 1.77      | 1.47        | 2.05      | 2.02        | 2.77      | 2.68        | 3.90      | 2.67        | 3.89      |
| 2.032                     | 80     | 0.800       | 1.868      | -                        | -         | 1.43          | 1.74      | 1.70         | 2.04      | 1.70        | 2.36      | 2.32        | 3.18      | 3.08        | 4.47      | 3.07        | 4.47      |
| 2.286                     | 90     | 0.900       | 2.101      | -                        | -         | 1.61          | 1.96      | 1.93         | 2.30      | 1.92        | 2.67      | 2.62        | 3.59      | 3.47        | 5.05      | 3.46        | 5.04      |
| 2.540                     | 100    | 1.001       | 2.335      | -                        | -         | 1.79          | 2.18      | 2.15         | 2.56      | 2.14        | 2.98      | 2.92        | 4.00      | 3.87        | 5.62      | 3.86        | 5.61      |
| 3.048                     | 120    | 1.201       | 2.802      | -                        | -         | 2.16          | 2.62      | 2.59         | 3.09      | 2.58        | 3.60      | 3.52        | 4.82      | 4.66        | 6.77      | 4.65        | 6.76      |
| 3.810                     | 150    | 1.501       | 3.502      | -                        | -         | 2.70          | 3.28      | 3.25         | 3.88      | 3.25        | 4.52      | 4.42        | 6.06      | 5.84        | 8.49      | 5.83        | 8.48      |
| 5.080                     | 200    | 2.001       | 4.669      | 3.03                     | 3.99      | 3.61          | 4.38      | 4.35         | 5.20      | 4.36        | 6.07      | 5.92        | 8.11      | 7.82        | 11.36     | 7.81        | 11.35     |
| 6.350                     | 250    | 2.501       | 5.837      | 3.81                     | 5.02      | 4.52          | 5.48      | 5.45         | 6.52      | 5.47        | 7.62      | 7.42        | 10.16     | 9.79        | 14.23     | 9.78        | 14.21     |
| 7.620                     | 300    | 3.002       | 7.004      | 4.59                     | 6.04      | 5.43          | 6.58      | 6.55         | 7.84      | 6.59        | 9.17      | 8.93        | 12.21     | 11.77       | 17.10     | 11.76       | 17.08     |
| 8.890                     | 350    | 3.502       | 8.171      | 5.37                     | 7.06      | 6.34          | 7.68      | 7.65         | 9.16      | 7.70        | 10.71     | 10.43       | 14.27     | 13.74       | 19.97     | 13.74       | 19.95     |
| 10.160                    | 400    | 4.002       | 9.339      | 6.15                     | 8.09      | 7.25          | 8.79      | 8.75         | 10.48     | 8.81        | 12.26     | 11.93       | 16.32     | 15.72       | 22.84     | 15.71       | 22.81     |
| 12.700                    | 500    | 5.003       | 11.673     | 7.72                     | 10.14     | 9.07          | 10.99     | 10.95        | 13.12     | 11.03       | 15.36     | 14.93       | 20.43     | 19.66       | 28.58     | 19.66       | 28.55     |
| 15.240                    | 600    | 6.003       | 14.008     | 9.28                     | 12.19     | 10.89         | 13.19     | 13.15        | 15.75     | 13.26       | 18.45     | 17.94       | 24.53     | 23.61       | 34.32     | 23.61       | 34.28     |
| 17.780                    | 700    | 7.004       | 16.342     | -                        | -         | 12.71         | 15.39     | 15.36        | 18.39     | 15.48       | 21.55     | 20.94       | 28.64     | 27.56       | 40.06     | 27.56       | 40.01     |
| 20.320                    | 800    | 8.004       | 18.677     | -                        | -         | 14.53         | 17.59     | 17.56        | 21.03     | 17.70       | 24.64     | 23.95       | 32.74     | 31.51       | 45.80     | 31.52       | 45.74     |
| 22.860                    | 900    | 9.005       | 21.012     | -                        | -         | 16.35         | 19.80     | 19.76        | 23.67     | 19.93       | 27.74     | 26.95       | 36.85     | 35.46       | 51.53     | 35.47       | 51.48     |
| 25.400                    | 1000   | 10.006      | 23.346     | -                        | -         | 18.17         | 22.00     | 21.96        | 26.31     | 22.15       | 30.83     | 29.96       | 40.95     | 39.41       | 57.27     | 39.42       | 57.21     |

Unit: meters

| Lens type                 |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Throw ratio <sup>1</sup>  |        |             |            | 2.41-4.68:1             |           | 4.63-7.43:1 |           | 7.36-13.8:1 |           |
| Projection screen size    |        |             |            | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 0.700       | 1.634      | 3.86                    | 7.55      | 7.46        | 12.05     | 11.82       | 22.51     |
| 2.032                     | 80     | 0.800       | 1.868      | 4.42                    | 8.66      | 8.55        | 13.80     | 13.57       | 25.78     |
| 2.286                     | 90     | 0.900       | 2.101      | 4.99                    | 9.77      | 9.64        | 15.55     | 15.31       | 29.05     |
| 2.540                     | 100    | 1.001       | 2.335      | 5.56                    | 10.87     | 10.73       | 17.29     | 17.05       | 32.32     |
| 3.048                     | 120    | 1.201       | 2.802      | 6.70                    | 13.09     | 12.91       | 20.79     | 20.54       | 38.85     |
| 3.810                     | 150    | 1.501       | 3.502      | 8.41                    | 16.40     | 16.19       | 26.03     | 25.77       | 48.65     |
| 5.080                     | 200    | 2.001       | 4.669      | 11.25                   | 21.94     | 21.64       | 34.77     | 34.49       | 64.99     |
| 6.350                     | 250    | 2.501       | 5.837      | 14.09                   | 27.47     | 27.09       | 43.51     | 43.21       | 81.33     |
| 7.620                     | 300    | 3.002       | 7.004      | 16.94                   | 33.00     | 32.54       | 52.25     | 51.93       | 97.67     |
| 8.890                     | 350    | 3.502       | 8.171      | 19.78                   | 38.53     | 37.99       | 60.99     | 60.65       | 114.00    |
| 10.160                    | 400    | 4.002       | 9.339      | 22.62                   | 44.06     | 43.44       | 69.73     | 69.37       | 130.34    |
| 12.700                    | 500    | 5.003       | 11.673     | 28.31                   | 55.12     | 54.34       | 87.20     | 86.81       | 163.02    |
| 15.240                    | 600    | 6.003       | 14.008     | 34.00                   | 66.18     | 65.24       | 104.68    | 104.25      | 195.69    |
| 17.780                    | 700    | 7.004       | 16.342     | 39.69                   | 77.25     | 76.15       | 122.16    | 121.69      | -         |
| 20.320                    | 800    | 8.004       | 18.677     | 45.37                   | 88.31     | 87.05       | 139.64    | 139.13      | -         |
| 22.860                    | 900    | 9.005       | 21.012     | 51.06                   | 99.37     | 97.95       | 157.11    | 156.57      | -         |
| 25.400                    | 1000   | 10.006      | 23.346     | 56.75                   | 110.43    | 108.85      | 174.59    | 174.01      | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 21:9

Unit: meters

| Lens type                 |        |             |            | Fixed-focal length lens  |            |                          |                                               |           |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.372:1                  | 0.698:1    | 0.365:1                  |                                               |           |
| Projection screen size    |        |             |            | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)      |
| m                         | inches |             |            |                          |            |                          |                                               |           |
| 1.778                     | 70     | 0.700       | 1.634      | -                        | 1.10       | -                        | -                                             | -         |
| 2.032                     | 80     | 0.800       | 1.868      | -                        | 1.27       | -                        | -                                             | -         |
| 2.286                     | 90     | 0.900       | 2.101      | -                        | 1.44       | -                        | -                                             | -         |
| 2.540                     | 100    | 1.001       | 2.335      | -                        | 1.60       | -                        | -                                             | -         |
| 3.048                     | 120    | 1.201       | 2.802      | -                        | 1.94       | 1.02                     | 0.13                                          | 0.50-0.68 |
| 3.810                     | 150    | 1.501       | 3.502      | -                        | 2.44       | 1.27                     | 0.38                                          | 0.65-0.87 |
| 5.080                     | 200    | 2.001       | 4.669      | 1.74                     | 3.28       | 1.69                     | 0.80                                          | 0.91-1.20 |
| 6.350                     | 250    | 2.501       | 5.837      | 2.19                     | 4.12       | 2.11                     | 1.22                                          | 1.16-1.53 |
| 7.620                     | 300    | 3.002       | 7.004      | 2.64                     | 4.96       | 2.53                     | 1.63                                          | 1.41-1.86 |
| 8.890                     | 350    | 3.502       | 8.171      | 3.09                     | 5.79       | 2.95                     | 2.05                                          | 1.67-2.19 |
| 10.160                    | 400    | 4.002       | 9.339      | 3.54                     | 6.63       | 3.37                     | 2.47                                          | 1.92-2.51 |
| 12.700                    | 500    | 5.003       | 11.673     | 4.44                     | 8.31       | 4.20                     | 3.31                                          | 2.43-3.17 |
| 15.240                    | 600    | 6.003       | 14.008     | 5.34                     | 9.98       | 5.04                     | 4.14                                          | 2.94-3.83 |
| 17.780                    | 700    | 7.004       | 16.342     | -                        | 11.66      | -                        | -                                             | -         |
| 20.320                    | 800    | 8.004       | 18.677     | -                        | 13.33      | -                        | -                                             | -         |
| 22.860                    | 900    | 9.005       | 21.012     | -                        | 15.01      | -                        | -                                             | -         |
| 25.400                    | 1000   | 10.006      | 23.346     | -                        | 16.68      | -                        | -                                             | -         |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

## Screen aspect ratio 21:9

Unit: feet

| Lens type                 |        |             |            | Zoom lens                |           |               |           |              |           |             |           |             |           |             |           |             |           |
|---------------------------|--------|-------------|------------|--------------------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LEW201 <sup>2</sup> |           | ET-D3LEW300   |           | ET-D3LEW60   |           | ET-D3LEW600 |           | ET-D3LEW10  |           | ET-D3LES20  |           | ET-D3LES250 |           |
| Throw ratio <sup>1</sup>  |        |             |            | 0.649-0.854:1            |           | 0.772-0.936:1 |           | 0.927-1.10:1 |           | 0.93-1.29:1 |           | 1.27-1.72:1 |           | 1.67-2.42:1 |           | 1.67-2.42:1 |           |
| Projection screen size    |        |             |            | Projection distance (L)  |           |               |           |              |           |             |           |             |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)                | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                          |           |               |           |              |           |             |           |             |           |             |           |             |           |
| 1.778                     | 70     | 2.298       | 5.362      | -                        | -         | 4.09          | 4.98      | 4.87         | 5.82      | 4.83        | 6.72      | 6.61        | 9.09      | 8.80        | 12.80     | 8.77        | 12.78     |
| 2.032                     | 80     | 2.626       | 6.128      | -                        | -         | 4.69          | 5.70      | 5.59         | 6.68      | 5.56        | 7.73      | 7.60        | 10.44     | 10.09       | 14.68     | 10.06       | 14.66     |
| 2.286                     | 90     | 2.954       | 6.894      | -                        | -         | 5.28          | 6.43      | 6.32         | 7.55      | 6.29        | 8.75      | 8.59        | 11.79     | 11.39       | 16.56     | 11.36       | 16.54     |
| 2.540                     | 100    | 3.283       | 7.660      | -                        | -         | 5.88          | 7.15      | 7.04         | 8.41      | 7.02        | 9.77      | 9.57        | 13.13     | 12.69       | 18.45     | 12.65       | 18.42     |
| 3.048                     | 120    | 3.939       | 9.191      | -                        | -         | 7.08          | 8.59      | 8.48         | 10.14     | 8.48        | 11.80     | 11.54       | 15.83     | 15.28       | 22.21     | 15.25       | 22.18     |
| 3.810                     | 150    | 4.924       | 11.489     | -                        | -         | 8.87          | 10.76     | 10.65        | 12.74     | 10.67       | 14.84     | 14.50       | 19.87     | 19.16       | 27.86     | 19.14       | 27.82     |
| 5.080                     | 200    | 6.565       | 15.319     | 9.93                     | 13.09     | 11.85         | 14.37     | 14.26        | 17.07     | 14.31       | 19.92     | 19.43       | 26.60     | 25.64       | 37.28     | 25.62       | 37.23     |
| 6.350                     | 250    | 8.207       | 19.149     | 12.50                    | 16.45     | 14.84         | 17.99     | 17.87        | 21.40     | 17.96       | 25.00     | 24.36       | 33.34     | 32.12       | 46.69     | 32.10       | 46.63     |
| 7.620                     | 300    | 9.848       | 22.979     | 15.06                    | 19.82     | 17.82         | 21.60     | 21.49        | 25.72     | 21.61       | 30.07     | 29.28       | 40.07     | 38.60       | 56.10     | 38.58       | 56.04     |
| 8.890                     | 350    | 11.489      | 26.808     | 17.63                    | 23.18     | 20.81         | 25.21     | 25.10        | 30.05     | 25.26       | 35.15     | 34.21       | 46.81     | 45.08       | 65.52     | 45.06       | 65.44     |
| 10.160                    | 400    | 13.131      | 30.638     | 20.19                    | 26.54     | 23.79         | 28.82     | 28.71        | 34.38     | 28.90       | 40.23     | 39.14       | 53.54     | 51.56       | 74.93     | 51.54       | 74.84     |
| 12.700                    | 500    | 16.413      | 38.298     | 25.32                    | 33.26     | 29.76         | 36.05     | 35.93        | 43.03     | 36.20       | 50.38     | 49.00       | 67.01     | 64.52       | 93.76     | 64.51       | 93.65     |
| 15.240                    | 600    | 19.696      | 45.957     | 30.45                    | 39.98     | 35.73         | 43.27     | 43.16        | 51.69     | 43.49       | 60.54     | 58.85       | 80.48     | 77.48       | 112.59    | 77.47       | 112.46    |
| 17.780                    | 700    | 22.979      | 53.617     | -                        | -         | 41.70         | 50.50     | 50.38        | 60.34     | 50.79       | 70.69     | 68.71       | 93.95     | 90.43       | 131.42    | 90.43       | 131.27    |
| 20.320                    | 800    | 26.261      | 61.276     | -                        | -         | 47.67         | 57.72     | 57.61        | 69.00     | 58.08       | 80.85     | 78.57       | 107.42    | 103.39      | 150.25    | 103.40      | 150.08    |
| 22.860                    | 900    | 29.544      | 68.936     | -                        | -         | 53.64         | 64.95     | 64.83        | 77.65     | 65.37       | 91.00     | 88.42       | 120.89    | 116.35      | 169.08    | 116.36      | 168.89    |
| 25.400                    | 1000   | 32.827      | 76.595     | -                        | -         | 59.61         | 72.17     | 72.06        | 86.31     | 72.67       | 101.15    | 98.28       | 134.36    | 129.31      | 187.90    | 129.32      | 187.70    |

Unit: feet

| Lens type                 |        |             |            | Zoom lens               |           |             |           |             |           |
|---------------------------|--------|-------------|------------|-------------------------|-----------|-------------|-----------|-------------|-----------|
| Projection lens Model No. |        |             |            | ET-D3LET30              |           | ET-D3LET40  |           | ET-D3LET80  |           |
| Throw ratio <sup>1</sup>  |        |             |            | 2.41-4.68:1             |           | 4.63-7.43:1 |           | 7.36-13.8:1 |           |
| Projection screen size    |        |             |            | Projection distance (L) |           |             |           |             |           |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | min. (LW)               | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |
| m                         | inches |             |            |                         |           |             |           |             |           |
| 1.778                     | 70     | 2.298       | 5.362      | 12.65                   | 24.78     | 24.49       | 39.53     | 38.79       | 73.86     |
| 2.032                     | 80     | 2.626       | 6.128      | 14.51                   | 28.41     | 28.06       | 45.27     | 44.51       | 84.58     |
| 2.286                     | 90     | 2.954       | 6.894      | 16.38                   | 32.04     | 31.64       | 51.00     | 50.23       | 95.30     |
| 2.540                     | 100    | 3.283       | 7.660      | 18.25                   | 35.67     | 35.22       | 56.74     | 55.95       | 106.02    |
| 3.048                     | 120    | 3.939       | 9.191      | 21.98                   | 42.93     | 42.37       | 68.20     | 67.39       | 127.46    |
| 3.810                     | 150    | 4.924       | 11.489     | 27.58                   | 53.82     | 53.10       | 85.41     | 84.56       | 159.62    |
| 5.080                     | 200    | 6.565       | 15.319     | 36.91                   | 71.97     | 70.99       | 114.08    | 113.17      | 213.23    |
| 6.350                     | 250    | 8.207       | 19.149     | 46.24                   | 90.11     | 88.87       | 142.75    | 141.78      | 266.83    |
| 7.620                     | 300    | 9.848       | 22.979     | 55.57                   | 108.26    | 106.75      | 171.42    | 170.38      | 320.43    |
| 8.890                     | 350    | 11.489      | 26.808     | 64.90                   | 126.41    | 124.64      | 200.09    | 198.99      | 374.03    |
| 10.160                    | 400    | 13.131      | 30.638     | 74.23                   | 144.55    | 142.52      | 228.76    | 227.60      | 427.63    |
| 12.700                    | 500    | 16.413      | 38.298     | 92.88                   | 180.84    | 178.29      | 286.10    | 284.82      | 534.84    |
| 15.240                    | 600    | 19.696      | 45.957     | 111.54                  | 217.14    | 214.05      | 343.44    | 342.04      | 642.04    |
| 17.780                    | 700    | 22.979      | 53.617     | 130.20                  | 253.43    | 249.82      | 400.78    | 399.25      | -         |
| 20.320                    | 800    | 26.261      | 61.276     | 148.86                  | 289.72    | 285.59      | 458.12    | 456.47      | -         |
| 22.860                    | 900    | 29.544      | 68.936     | 167.52                  | 326.02    | 321.35      | 515.46    | 513.69      | -         |
| 25.400                    | 1000   | 32.827      | 76.595     | 186.18                  | 362.31    | 357.12      | 572.80    | 570.91      | -         |

<sup>1</sup> The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

<sup>2</sup> When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

Screen aspect ratio 21:9

Unit: feet

| Lens type                 |        |             |            | Fixed-focal length lens  |            |                          |                                               |            |
|---------------------------|--------|-------------|------------|--------------------------|------------|--------------------------|-----------------------------------------------|------------|
| Projection lens Model No. |        |             |            | ET-D3LEU101 <sup>2</sup> | ET-D3LEW50 | ET-D75LE95 <sup>2</sup>  |                                               |            |
| Throw ratio <sup>1</sup>  |        |             |            | 0.372:1                  | 0.698:1    | 0.365:1                  |                                               |            |
| Projection screen size    |        |             |            | Projection distance (L)  |            | Projection distance (L1) | Distance between the projector and the screen |            |
| Diagonal (SD)             |        | Height (SH) | Width (SW) | Fixed                    | Fixed      |                          | (L4)                                          | (A1)       |
| m                         | inches |             |            |                          |            |                          |                                               |            |
| 1.778                     | 70     | 2.298       | 5.362      | -                        | 3.61       | -                        | -                                             | -          |
| 2.032                     | 80     | 2.626       | 6.128      | -                        | 4.16       | -                        | -                                             | -          |
| 2.286                     | 90     | 2.954       | 6.894      | -                        | 4.71       | -                        | -                                             | -          |
| 2.540                     | 100    | 3.283       | 7.660      | -                        | 5.26       | -                        | -                                             | -          |
| 3.048                     | 120    | 3.939       | 9.191      | -                        | 6.36       | 3.36                     | 0.42                                          | 1.64-2.22  |
| 3.810                     | 150    | 4.924       | 11.489     | -                        | 8.01       | 4.18                     | 1.25                                          | 2.14-2.87  |
| 5.080                     | 200    | 6.565       | 15.319     | 5.69                     | 10.76      | 5.56                     | 2.62                                          | 2.97-3.94  |
| 6.350                     | 250    | 8.207       | 19.149     | 7.17                     | 13.51      | 6.93                     | 3.99                                          | 3.80-5.02  |
| 7.620                     | 300    | 9.848       | 22.979     | 8.65                     | 16.26      | 8.30                     | 5.36                                          | 4.64-6.10  |
| 8.890                     | 350    | 11.489      | 26.808     | 10.13                    | 19.01      | 9.67                     | 6.74                                          | 5.47-7.17  |
| 10.160                    | 400    | 13.131      | 30.638     | 11.60                    | 21.76      | 11.04                    | 8.11                                          | 6.30-8.25  |
| 12.700                    | 500    | 16.413      | 38.298     | 14.56                    | 27.25      | 13.79                    | 10.85                                         | 7.97-10.40 |
| 15.240                    | 600    | 19.696      | 45.957     | 17.51                    | 32.75      | 16.53                    | 13.60                                         | 9.63-12.55 |
| 17.780                    | 700    | 22.979      | 53.617     | -                        | 38.25      | -                        | -                                             | -          |
| 20.320                    | 800    | 26.261      | 61.276     | -                        | 43.74      | -                        | -                                             | -          |
| 22.860                    | 900    | 29.544      | 68.936     | -                        | 49.24      | -                        | -                                             | -          |
| 25.400                    | 1000   | 32.827      | 76.595     | -                        | 54.74      | -                        | -                                             | -          |

1 The throw ratio is based on the value during projection with the projected image size of 3.81 m (150 in).

However, the throw ratio for the following projection lenses is based on the value during projection with the projected image size of 5.08 m (200 in).  
ET-D3LEU101, ET-D3LEW201.

2 When the Zoom Lens (Model No.: ET-D3LEW201), the Fixed-focal length lens (Model No.: ET-D3LEU101, ET-D75LE95), or the Fisheye Lens (Model No.: ET-D3LEF70) is used, the projection relation between the screen and the projector differs from that of other lenses. For details, refer to "ET-D3LEW201, ET-D3LEU101" (page 7), "ET-D75LE95" (page 8), or "ET-D3LEF70" (page 9-10).

### Calculation of the projection distance

To use a projected image size not listed in this manual, check the projected image size SD (m) and use the respective formula to calculate projection distance. The unit of all the formulae is m. (Values obtained by the following calculation formulae contain a slight error.)

When calculating a projection distance using image size designation (Value in inches), multiply the value in inches by 0.0254 and substitute it into SD in the formula for calculating the projection distance.

Zoom lens

Unit: m

| Projection lens<br>Model No. | Throw ratio   | Aspect ratio | Projection distance (L) calculation formula |                               |
|------------------------------|---------------|--------------|---------------------------------------------|-------------------------------|
|                              |               |              | Minimum (LW)                                | Maximum (LT)                  |
| ET-D3LEW201                  | 0.645-0.850:1 | 16:10        | $=0.5665 \times SD - 0.1001$                | $=0.7425 \times SD - 0.1076$  |
|                              | 0.646-0.851:1 | 16:9         | $=0.5823 \times SD - 0.1001$                | $=0.7632 \times SD - 0.1076$  |
|                              | 0.778-1.02:1  | 4:3          | $=0.6414 \times SD - 0.1001$                | $=0.8406 \times SD - 0.1076$  |
|                              | 0.649-0.854:1 | 21:9         | $=0.6156 \times SD - 0.1001$                | $=0.8068 \times SD - 0.1076$  |
| ET-D3LEW300                  | 0.770-0.933:1 | 16:10        | $=0.6594 \times SD - 0.0272$                | $=0.7976 \times SD - 0.0231$  |
|                              | 0.770-0.933:1 | 16:9         | $=0.6777 \times SD - 0.0272$                | $=0.8197 \times SD - 0.0231$  |
|                              | 0.925-1.12:1  | 4:3          | $=0.7465 \times SD - 0.0272$                | $=0.9029 \times SD - 0.0231$  |
|                              | 0.772-0.936:1 | 21:9         | $=0.7164 \times SD - 0.0272$                | $=0.8670 \times SD - 0.0231$  |
| ET-D3LEW60                   | 0.924-1.10:1  | 16:10        | $=0.7979 \times SD - 0.0566$                | $=0.9559 \times SD - 0.0736$  |
|                              | 0.924-1.10:1  | 16:9         | $=0.8201 \times SD - 0.0566$                | $=0.9825 \times SD - 0.0736$  |
|                              | 1.12-1.32:1   | 4:3          | $=0.9032 \times SD - 0.0566$                | $=1.0822 \times SD - 0.0736$  |
|                              | 0.927-1.10:1  | 21:9         | $=0.8669 \times SD - 0.0566$                | $=1.0386 \times SD - 0.0736$  |
| ET-D3LEW600                  | 0.924-1.28:1  | 16:10        | $=0.8054 \times SD - 0.0835$                | $=1.1209 \times SD - 0.1185$  |
|                              | 0.925-1.28:1  | 16:9         | $=0.8278 \times SD - 0.0835$                | $=1.1521 \times SD - 0.1185$  |
|                              | 1.12-1.54:1   | 4:3          | $=0.9117 \times SD - 0.0835$                | $=1.2690 \times SD - 0.1185$  |
|                              | 0.93-1.29:1   | 21:9         | $=0.8753 \times SD - 0.0835$                | $=1.2185 \times SD - 0.1185$  |
| ET-D3LEW10                   | 1.26-1.72:1   | 16:10        | $=1.0886 \times SD - 0.0867$                | $=1.4876 \times SD - 0.1025$  |
|                              | 1.26-1.72:1   | 16:9         | $=1.1188 \times SD - 0.0867$                | $=1.5290 \times SD - 0.1025$  |
|                              | 1.52-2.07:1   | 4:3          | $=1.2324 \times SD - 0.0867$                | $=1.6841 \times SD - 0.1025$  |
|                              | 1.27-1.72:1   | 21:9         | $=1.1828 \times SD - 0.0867$                | $=1.6163 \times SD - 0.1025$  |
| ET-D3LES20                   | 1.67-2.41:1   | 16:10        | $=1.4312 \times SD - 0.0832$                | $=2.0795 \times SD - 0.1162$  |
|                              | 1.67-2.41:1   | 16:9         | $=1.4709 \times SD - 0.0832$                | $=2.1373 \times SD - 0.1162$  |
|                              | 2.00-2.90:1   | 4:3          | $=1.6202 \times SD - 0.0832$                | $=2.3542 \times SD - 0.1162$  |
|                              | 1.67-2.42:1   | 21:9         | $=1.5550 \times SD - 0.0832$                | $=2.2594 \times SD - 0.1162$  |
| ET-D3LES250                  | 1.67-2.41:1   | 16:10        | $=1.4390 \times SD - 0.0941$                | $=2.0789 \times SD - 0.1187$  |
|                              | 1.67-2.41:1   | 16:9         | $=1.4790 \times SD - 0.0941$                | $=2.1367 \times SD - 0.1187$  |
|                              | 2.01-2.90:1   | 4:3          | $=1.6291 \times SD - 0.0941$                | $=2.3535 \times SD - 0.1187$  |
|                              | 1.67-2.42:1   | 21:9         | $=1.5556 \times SD - 0.0941$                | $=2.2570 \times SD - 0.1187$  |
| ET-D3LET30                   | 2.40-4.66:1   | 16:10        | $=2.0609 \times SD - 0.1261$                | $=4.0084 \times SD - 0.1892$  |
|                              | 2.40-4.66:1   | 16:9         | $=2.1182 \times SD - 0.1261$                | $=4.1198 \times SD - 0.1892$  |
|                              | 2.88-5.61:1   | 4:3          | $=2.3331 \times SD - 0.1261$                | $=4.5378 \times SD - 0.1892$  |
|                              | 2.41-4.68:1   | 21:9         | $=2.2392 \times SD - 0.1261$                | $=4.3552 \times SD - 0.1892$  |
| ET-D3LET40                   | 4.61-7.41:1   | 16:10        | $=3.9505 \times SD - 0.1673$                | $=6.3330 \times SD - 0.1846$  |
|                              | 4.61-7.41:1   | 16:9         | $=4.0601 \times SD - 0.1673$                | $=6.5091 \times SD - 0.1846$  |
|                              | 5.54-8.90:1   | 4:3          | $=4.4720 \times SD - 0.1673$                | $=7.1694 \times SD - 0.1846$  |
|                              | 4.63-7.43:1   | 21:9         | $=4.2920 \times SD - 0.1673$                | $=6.8809 \times SD - 0.1846$  |
| ET-D3LET80                   | 7.34-13.8:1   | 16:10        | $=6.3193 \times SD - 0.3862$                | $=11.8400 \times SD - 0.3598$ |
|                              | 7.34-13.8:1   | 16:9         | $=6.4950 \times SD - 0.3862$                | $=12.1692 \times SD - 0.3598$ |
|                              | 8.82-16.6:1   | 4:3          | $=7.1540 \times SD - 0.3862$                | $=13.4039 \times SD - 0.3598$ |
|                              | 7.36-13.8:1   | 21:9         | $=6.8661 \times SD - 0.3862$                | $=12.8644 \times SD - 0.3598$ |

## Fixed-focal length lens

Unit: m

| Projection lens<br>Model No. | Throw ratio | Aspect ratio | Projection distance (L) calculation formula |
|------------------------------|-------------|--------------|---------------------------------------------|
| ET-D3LEU101                  | 0.370:1     | 16:10        | $=0.3264 \times SD - 0.0664$                |
|                              | 0.370:1     | 16:9         | $=0.3355 \times SD - 0.0664$                |
|                              | 0.446:1     | 4:3          | $=0.3695 \times SD - 0.0664$                |
|                              | 0.372:1     | 21:9         | $=0.3546 \times SD - 0.0664$                |
| ET-D3LEW50                   | 0.694:1     | 16:10        | $=0.6072 \times SD - 0.0713$                |
|                              | 0.695:1     | 16:9         | $=0.6240 \times SD - 0.0713$                |
|                              | 0.836:1     | 4:3          | $=0.6873 \times SD - 0.0713$                |
|                              | 0.698:1     | 21:9         | $=0.6597 \times SD - 0.0713$                |

| Projection lens<br>Model No. | Throw ratio | Aspect ratio | Projection distance (L)<br>calculation formula | Distance between the projector and the screen (A1)<br>calculation formula |                           |
|------------------------------|-------------|--------------|------------------------------------------------|---------------------------------------------------------------------------|---------------------------|
|                              |             |              |                                                | Minimum (LW)                                                              | Maximum (LT)              |
| ET-D75LE95                   | 0.364:1     | 16:10        | $=0.303 \times SD + 0.02$                      | $=0.180 \times SH - 0.11$                                                 | $=0.280 \times SH - 0.11$ |
|                              | 0.364:1     | 16:9         | $=0.312 \times SD + 0.02$                      | $=0.256 \times SH - 0.11$                                                 | $=0.367 \times SH - 0.11$ |
|                              | 0.436:1     | 4:3          | $=0.343 \times SD + 0.02$                      | $=0.180 \times SH - 0.11$                                                 | $=0.280 \times SH - 0.11$ |
|                              | 0.365:1     | 21:9         | $=0.329 \times SD + 0.02$                      | $=0.507 \times SH - 0.11$                                                 | $=0.656 \times SH - 0.11$ |

## Lens shift range

The projector can adjust the position of the projected image within the lens shift range for each projection lens based on the optical center position of the image (standard projection position). Optical center position of the image is an image position based on the optical axis center of the projector body.

Perform the lens shift adjustment within the range indicated in the following illustration.

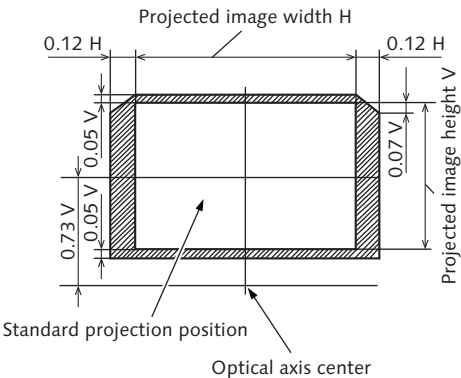
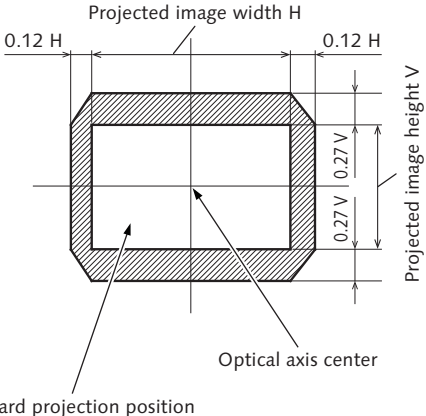
Note that moving the lens outside the adjustment range may change the focus.

This is because the shift of the lens is restricted to protect the optical parts.

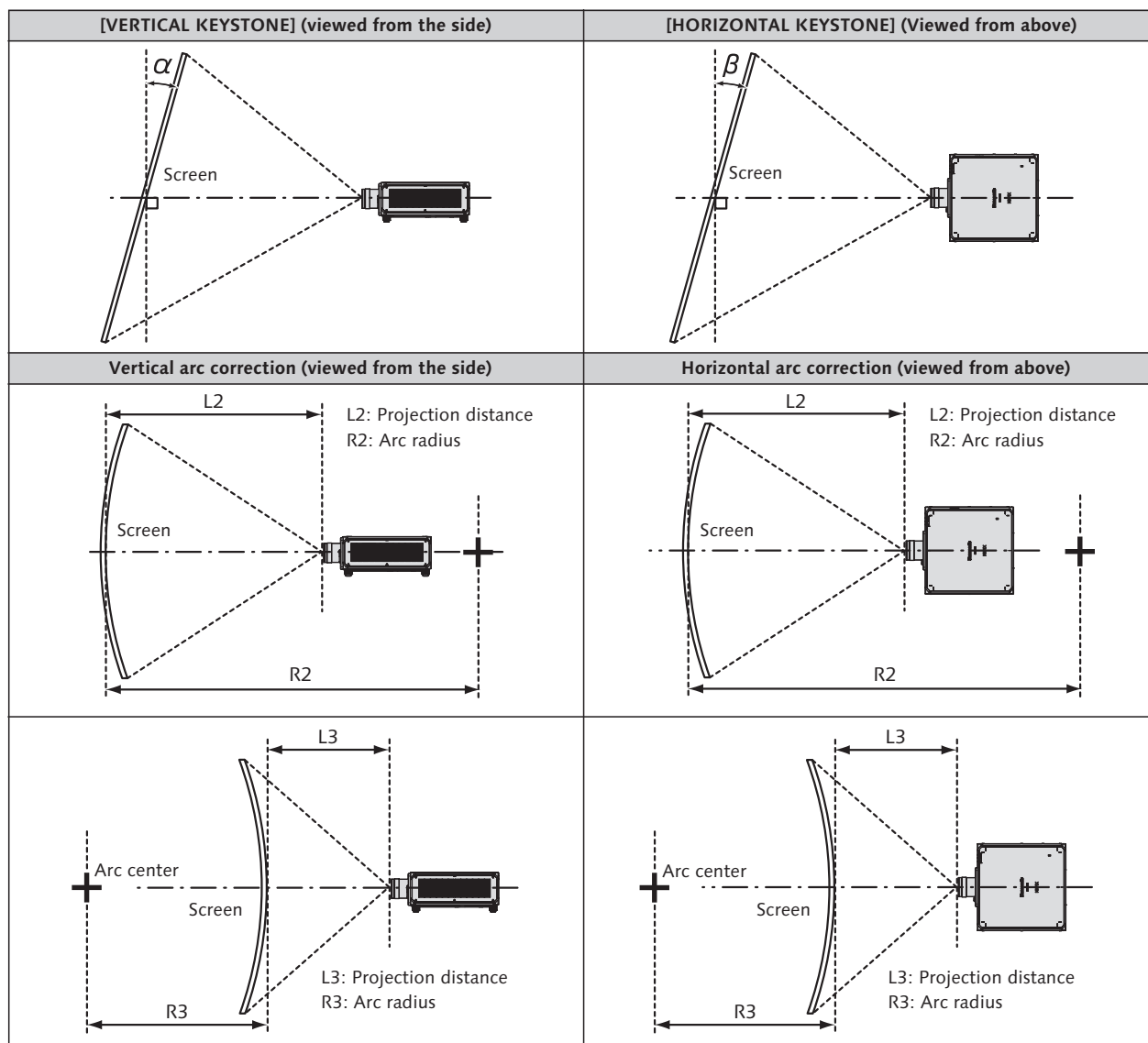
Following illustration indicates the lens shift range when the projector is installed on desk/floor.

Note that the illustration for the Fisheye Lens (Model No.: ET-D3LEF70) does not represent the actual movement of projected image.

| Projection lens Model No. | ET-D3LEW201 is mounted.                                                                                                                                                 | ET-D3LEW300, ET-D3LEW60, ET-D3LEW600 is mounted.                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens shift range          | <p>Projected image width H</p> <p>0.15 H</p> <p>0.12 V</p> <p>0.48 V</p> <p>Projected image height V</p> <p>Optical axis center</p> <p>Standard projection position</p> | <p>Projected image width H</p> <p>0.15 H</p> <p>0.12 V</p> <p>0.44 V</p> <p>Projected image height V</p> <p>Optical axis center</p> <p>Standard projection position</p>                                          |
| Projection lens Model No. | ET-D3LEW10, ET-D3LES20, ET-D3LES250, ET-D3LET30, ET-D3LET40, ET-D3LET80 is mounted.                                                                                     | ET-D3LEU101 is mounted.                                                                                                                                                                                          |
| Lens shift range          | <p>Projected image width H</p> <p>0.2 H</p> <p>0.12 V</p> <p>0.55 V</p> <p>Projected image height V</p> <p>Optical axis center</p> <p>Standard projection position</p>  | <p>Projected image width H</p> <p>0.25 H</p> <p>0.55 V</p> <p>0.12 V</p> <p>Projected image height V</p> <p>Optical axis center</p> <p>Standard projection position</p> <p>Part of the image may be obscured</p> |

| Projection lens<br>Model No. | ET-D75LE95 is mounted.                                                            | When ET-D3LEF70 is mounted.                                                        |
|------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Lens shift range             |  |  |

\* When using the fixed lens (Model No.: ET-D3LEW50) Use the projection lens in the standard projection position without adjusting the lens shift.

**[GEOMETRY] projection range**

| Projection lens<br>Model No. | Only [KEYSTONE] used <sup>1</sup>                     |                                                        | [KEYSTONE] and [CURVED] used together                 |                                                        |                           |                           | Only [CURVED] used        |                           |
|------------------------------|-------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                              | Vertical keystone<br>correction angle<br>$\alpha$ (°) | Horizontal keystone<br>correction angle<br>$\beta$ (°) | Vertical keystone<br>correction angle<br>$\alpha$ (°) | Horizontal keystone<br>correction angle<br>$\beta$ (°) | Min. value<br>of<br>R2/L2 | Min. value<br>of<br>R3/L3 | Min. value<br>of<br>R2/L2 | Min. value<br>of<br>R3/L3 |
| ET-D3LEW201                  | ±15                                                   | ±5                                                     | —                                                     | —                                                      | —                         | —                         | —                         | —                         |
| ET-D3LEW300                  | ±15                                                   | ±5                                                     | —                                                     | —                                                      | —                         | —                         | —                         | —                         |
| ET-D3LEW60<br>ET-D3LEW600    | ±28                                                   | ±15                                                    | ±10                                                   | ±10                                                    | 1.2                       | 3.0                       | 0.7                       | 1.7                       |
| ET-D3LEW10                   | ±40                                                   | ±40                                                    | ±20                                                   | ±15                                                    | 0.9                       | 2.0                       | 0.5                       | 1.1                       |
| ET-D3LES20<br>ET-D3LES250    | ±40                                                   | ±40                                                    | ±20                                                   | ±15                                                    | 0.7                       | 1.3                       | 0.4                       | 0.7                       |
| ET-D3LET30                   | ±45                                                   | ±40                                                    | ±20                                                   | ±15                                                    | 0.5                       | 0.9                       | 0.3                       | 0.5                       |
| ET-D3LET40                   | ±45                                                   | ±40                                                    | ±20                                                   | ±15                                                    | 0.3                       | 0.5                       | 0.2                       | 0.3                       |
| ET-D3LET80                   | ±45                                                   | ±40                                                    | ±20                                                   | ±15                                                    | 0.2                       | 0.3                       | 0.1                       | 0.2                       |
| ET-D75LE95 <sup>2</sup>      | +5/-0                                                 | 0                                                      | —                                                     | —                                                      | —                         | —                         | —                         | —                         |
| ET-D3LEU101                  | ±8                                                    | ±5                                                     | —                                                     | —                                                      | —                         | —                         | —                         | —                         |
| ET-D3LEW50                   | ±22                                                   | ±15                                                    | ±8                                                    | ±8                                                     | 1.5                       | 3.7                       | 0.9                       | 2.2                       |
| ET-D3LEF70                   | —                                                     | —                                                      | —                                                     | —                                                      | —                         | —                         | —                         | —                         |

1 When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding total of 55°.

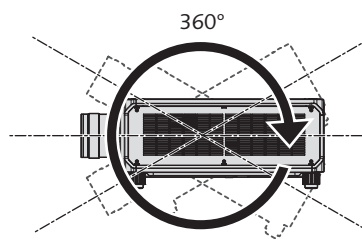
2 Only the vertical keystone correction angle can be corrected in the direction in which the projector body moves away from the screen.

**Note**

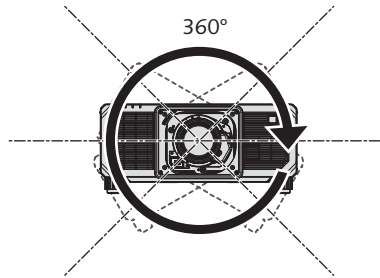
- When [GEOMETRY] is used, the focus of the entire screen may be lost as correction increases.
- Make the curved screen a circular arc shape with one part of a perfect circle removed.
- Adjustment range of the [GEOMETRY] items may not match the listed projection range depending on the projection lens. Use this projector within the projection range, otherwise the correction may not work.

**Installable angle**

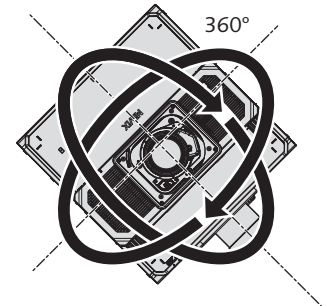
Install the projector at an angle within the range shown below.

**FULL 360-degree projection**

Vertical 360-deg.



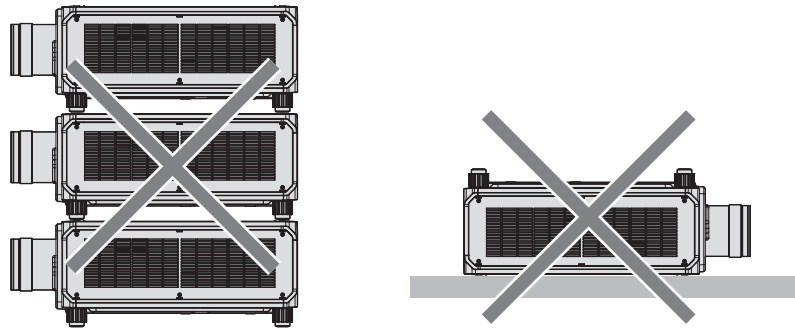
Horizontal 360-deg.



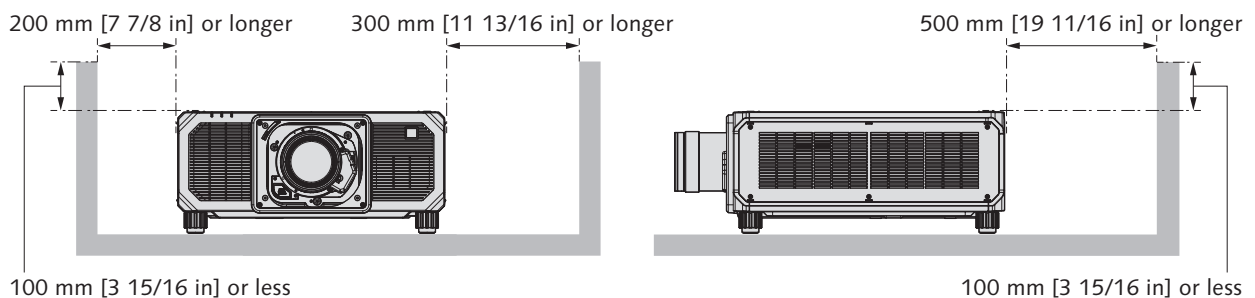
Tilting 360-deg.  
(Vertical and Horizontal combination)

### Notes on projector placement and operation

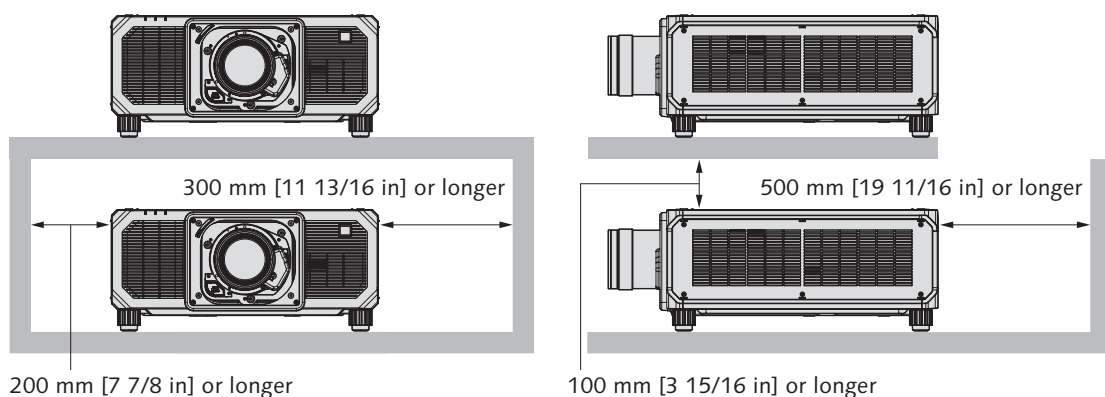
- Do not stack three or more projectors.
- Do not simultaneously use both projectors when stacked on top of each other. When stacking two projectors, use only one projector at a time and make the other as a backup device. Take a measure to prevent sliding off just in case.
- Do not use the projector supporting it by the top.



- Do not block the ventilation ports (intake and exhaust) of the projector.
- Prevent hot and cool air from the air conditioning system to blow directly into the ventilation ports (intake and exhaust) of the projector.



- Do not install the projector in a confined space.  
When installing the projector in a confined space, provide air conditioning or ventilation separately. Exhaust heat may accumulate when the ventilation is not enough, triggering the protection circuit of the projector.



- When installing and fixing the projector on a ceiling or wall using a mount, make sure that the fixing screw or power cord does not come in contact with metal section inside the ceiling or wall. Failure to observe this may result in electric shocks.
- Panasonic Projector & Display Corporation. takes no responsibility for any damage to the product caused by an inappropriate choice of location for installing the projector, even if the warranty period of the product has not expired.
- Immediately remove the product that is not in use anymore by asking a qualified technician.

## List of compatible signals

The following table specifies the video signals compatible with the projector.

For details of SDI signal, refer to "List of single link SDI compatible signals"(page 36). "List of quad link SDI compatible signals"(page 38).

This projector supports the signal with ✓ in the compatible signal column.

- The content of the compatible signal column is as follows.

-V: Video signal    -C: Computer signal

| Signal Type | Signal name<br>(SIGNAL FORMAT) | Resolution<br>(Dots)     | Scanning freq.      |                    | Dot clock<br>freq.<br>(MHz) | Compatible signal |                           |
|-------------|--------------------------------|--------------------------|---------------------|--------------------|-----------------------------|-------------------|---------------------------|
|             |                                |                          | Horizontal<br>(kHz) | Vertical<br>(Hz)   |                             | HDMI™             | DIGITAL LINK <sup>1</sup> |
| V           | 480/60p                        | 720 x 480                | 31.5                | 59.9               | 27.0                        | ✓                 | ✓                         |
|             | 576/50p                        | 720 x 576                | 31.3                | 50.0               | 27.0                        | ✓                 | ✓                         |
|             | 720/60p                        | 1280 x 720               | 45.0                | 60.0 <sup>2</sup>  | 74.3                        | ✓                 | ✓                         |
|             | 720/50p                        | 1280 x 720               | 37.5                | 50.0               | 74.3                        | ✓                 | ✓                         |
|             | 1080/60i                       | 1920 x 1080i             | 33.8                | 60.0 <sup>2</sup>  | 74.3                        | ✓                 | ✓                         |
|             | 1080/50i                       | 1920 x 1080i             | 28.1                | 50.0               | 74.3                        | ✓                 | ✓                         |
|             | 1080/24p                       | 1920 x 1080              | 27.0                | 24.0 <sup>2</sup>  | 74.3                        | ✓                 | ✓                         |
|             | 1080/25p                       | 1920 x 1080              | 28.1                | 25.0               | 74.3                        | ✓                 | ✓                         |
|             | 1080/30p                       | 1920 x 1080              | 33.8                | 30.0 <sup>2</sup>  | 74.3                        | ✓                 | ✓                         |
|             | 1080/60p                       | 1920 x 1080              | 67.5                | 60.0 <sup>2</sup>  | 148.5                       | ✓                 | ✓                         |
|             | 1080/50p                       | 1920 x 1080              | 56.3                | 50.0               | 148.5                       | ✓                 | ✓                         |
|             | 1080/100p                      | 1920 x 1080              | 112.5               | 100.0 <sup>2</sup> | 297.0                       | ✓                 | ✓                         |
|             | 1080/120p                      | 1920 x 1080              | 135.0               | 120.0 <sup>2</sup> | 297.0                       | ✓                 | ✓                         |
|             | 2K/24p                         | 2048 x 1080              | 27.0                | 24.0 <sup>2</sup>  | 74.3                        | ✓                 | ✓                         |
|             | 2K/25p                         | 2048 x 1080              | 28.1                | 25.0               | 74.3                        | ✓                 | ✓                         |
|             | 2K/30p                         | 2048 x 1080              | 33.8                | 30.0 <sup>2</sup>  | 74.3                        | ✓                 | ✓                         |
|             | 2K/48p                         | 2048 x 1080              | 54.0                | 48.0 <sup>2</sup>  | 148.5                       | ✓                 | ✓                         |
|             | 2K/60p                         | 2048 x 1080              | 67.5                | 60.0 <sup>2</sup>  | 148.5                       | ✓                 | ✓                         |
|             | 2K/50p                         | 2048 x 1080              | 56.3                | 50.0               | 148.5                       | ✓                 | ✓                         |
|             | 2560 x 1080/60p                | 2560 x 1080              | 66.0                | 60.0 <sup>2</sup>  | 198.0                       | ✓                 | ✓                         |
|             | 2560 x 1080/50p                | 2560 x 1080              | 56.3                | 50.0               | 185.6                       | ✓                 | ✓                         |
|             | 3840 x 2160/24p                | 3840 x 2160              | 54.0                | 24.0 <sup>2</sup>  | 297.0                       | ✓                 | ✓                         |
|             | 3840 x 2160/25p                | 3840 x 2160              | 56.3                | 25.0               | 297.0                       | ✓                 | ✓                         |
|             | 3840 x 2160/30p                | 3840 x 2160              | 67.5                | 30.0 <sup>2</sup>  | 297.0                       | ✓                 | ✓                         |
|             | 3840 x 2160/60p                | 3840 x 2160              | 135.0               | 60.0 <sup>2</sup>  | 297.0                       | ✓ <sup>3</sup>    | ✓ <sup>3</sup>            |
|             |                                | 3840 x 2160              | 135.0               | 60.0 <sup>2</sup>  | 594.0                       | ✓                 | —                         |
|             | 3840 x 2160/50p                | 3840 x 2160              | 112.5               | 50.0               | 297.0                       | ✓ <sup>3</sup>    | ✓ <sup>3</sup>            |
|             |                                | 3840 x 2160              | 112.5               | 50.0               | 594.0                       | ✓                 | —                         |
|             | 4096 x 2160/24p                | 4096 x 2160              | 54.0                | 24.0 <sup>2</sup>  | 297.0                       | ✓                 | ✓                         |
|             | 4096 x 2160/25p                | 4096 x 2160              | 56.3                | 25.0               | 297.0                       | ✓                 | ✓                         |
|             | 4096 x 2160/30p                | 4096 x 2160              | 67.5                | 30.0 <sup>2</sup>  | 297.0                       | ✓                 | ✓                         |
|             | 4096 x 2160/60p                | 4096 x 2160              | 135.0               | 60.0 <sup>2</sup>  | 297.0                       | ✓ <sup>3</sup>    | ✓ <sup>3</sup>            |
|             |                                | 4096 x 2160              | 135.0               | 60.0 <sup>2</sup>  | 594.0                       | ✓                 | —                         |
|             | 4096 x 2160/50p                | 4096 x 2160              | 112.5               | 50.0               | 297.0                       | ✓ <sup>3</sup>    | ✓ <sup>3</sup>            |
|             |                                | 4096 x 2160              | 112.5               | 50.0               | 594.0                       | ✓                 | —                         |
| C           | 640 x 480/60                   | 640 x 480                | 31.5                | 59.9               | 25.2                        | ✓                 | ✓                         |
|             | 1600 x 1200/50                 | 1600 x 1200              | 61.8                | 49.9               | 131.5                       | ✓                 | ✓                         |
|             | 1600 x 1200/60                 | 1600 x 1200              | 75.0                | 60.0               | 162.0                       | ✓                 | ✓                         |
|             | 1920 x 1080/240                | 1920 x 1080              | 291.6               | 240.0              | 583.2                       | ✓                 | —                         |
|             | 1920 x 1200/50                 | 1920 x 1200              | 61.8                | 49.9               | 158.3                       | ✓                 | ✓                         |
|             | 1920 x 1200/60RB               | 1920 x 1200 <sup>4</sup> | 74.0                | 60.0               | 154.0                       | ✓                 | ✓                         |
|             | 2560 x 1440/50                 | 2560 x 1440              | 74.1                | 50.0               | 256.3                       | ✓                 | ✓                         |
|             | 2560 x 1440/60                 | 2560 x 1440 <sup>4</sup> | 88.8                | 60.0               | 241.5                       | ✓                 | ✓                         |
|             | 2560 x 1600/50                 | 2560 x 1600              | 82.4                | 50.0               | 286.0                       | ✓                 | ✓                         |
|             | 2560 x 1600/60                 | 2560 x 1600 <sup>4</sup> | 98.7                | 60.0               | 268.5                       | ✓                 | ✓                         |
|             | 3440 x 1440/30                 | 3440 x 1440 <sup>4</sup> | 44.0                | 30.0               | 154.7                       | ✓                 | ✓                         |
|             | 3440 x 1440/50                 | 3440 x 1440 <sup>4</sup> | 73.7                | 50.0               | 259.4                       | ✓                 | —                         |
|             | 3840 x 2400/30                 | 3840 x 2400 <sup>4</sup> | 73.0                | 30.0               | 286.2                       | ✓                 | ✓                         |
|             | 3840 x 2400/50                 | 3840 x 2400 <sup>4</sup> | 122.9               | 50.0               | 481.6                       | ✓                 | —                         |
|             | 3840 x 2400/60                 | 3840 x 2400 <sup>4</sup> | 148.1               | 60.0               | 592.5                       | ✓                 | —                         |

1 Requires TY-SB01DL Interface Board for DIGITAL LINK.

2 The signal with 1/1.001x vertical scanning frequency is also supported.

3 YPbPr 4:2:0 format only

4 VESA CVT-RB (Reduced Blanking)-compliant

### Note

- A signal with a different resolution, including SDI signal, is displayed converted to the number of display dots. The number of display dots is as follows.
  - When using the PT-HTQ20 and the [QUAD PIXEL DRIVE] is set to [ON]: 3840 x 2400
  - When using the PT-HTQ20 and the [QUAD PIXEL DRIVE] is set to [OFF]: 1920 x 1200
- The "i" at the end of the resolution indicates an interlaced signal.
- When interlaced signals are connected, flickering may occur on the projected image.

## List of Plug and play compatible signals

The following table specifies the video signals compatible with plug and play.

Signal with ✓ in the plug and play compatible signal column is the signal described in the EDID (extended display identification data) of the projector. For the signal without ✓ in the plug and play compatible signal column, the resolution may not be selected on the computer even if the projector is supporting it.

| Signal Type | Signal name<br>(SIGNAL FORMAT) | Resolution<br>(Dots) | Scanning freq.      |                  | Dot clock<br>freq.<br>(MHz) | Plug and play compatible signal |        |    |                |         |    |
|-------------|--------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------------|--------|----|----------------|---------|----|
|             |                                |                      | Horizontal<br>(kHz) | Vertical<br>(Hz) |                             | HDMI™                           |        |    | DIGITAL LINK¹  |         |    |
|             |                                |                      |                     |                  |                             | 4K/60p²                         | 4K/30p | 2K | 4K/60p         | 4K/30p³ | 2K |
| V           | 480/60p                        | 720 x 480            | 31.5                | 59.9             | 27.0                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 576/50p                        | 720 x 576            | 31.3                | 50.0             | 27.0                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 720/60p                        | 1280 x 720           | 45.0                | 60.0⁴            | 74.3                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 720/50p                        | 1280 x 720           | 37.5                | 50.0             | 74.3                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/60i                       | 1920 x 1080i         | 33.8                | 60.0⁴            | 74.3                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/50i                       | 1920 x 1080i         | 28.1                | 50.0             | 74.3                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/24p                       | 1920 x 1080          | 27.0                | 24.0⁴            | 74.3                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/25p                       | 1920 x 1080          | 28.1                | 25.0             | 74.3                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/30p                       | 1920 x 1080          | 33.8                | 30.0⁴            | 74.3                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/60p                       | 1920 x 1080          | 67.5                | 60.0⁴            | 148.5                       | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/50p                       | 1920 x 1080          | 56.3                | 50.0             | 148.5                       | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1080/100p                      | 1920 x 1080          | 112.5               | 100.0            | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 1080/120p                      | 1920 x 1080          | 135.0               | 120.0⁴           | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 2K/24p                         | 2048 x 1080          | 27.0                | 24.0⁴            | 74.3                        | —                               | —      | —  | —              | —       | —  |
|             | 2K/25p                         | 2048 x 1080          | 28.1                | 25.0             | 74.3                        | —                               | —      | —  | —              | —       | —  |
|             | 2K/30p                         | 2048 x 1080          | 33.8                | 30.0⁴            | 74.3                        | —                               | —      | —  | —              | —       | —  |
|             | 2K/48p                         | 2048 x 1080          | 54.0                | 48.0⁴            | 148.5                       | —                               | —      | —  | —              | —       | —  |
|             | 2K/60p                         | 2048 x 1080          | 67.5                | 60.0⁴            | 148.5                       | —                               | —      | —  | —              | —       | —  |
|             | 2K/50p                         | 2048 x 1080          | 56.3                | 50.0             | 148.5                       | —                               | —      | —  | —              | —       | —  |
|             | 2560 x 1080/60p                | 2560 x 1080          | 66.0                | 60.0⁴            | 198.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 2560 x 1080/50p                | 2560 x 1080          | 56.3                | 50.0             | 185.6                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 3840 x 2160/24p                | 3840 x 2160          | 54.0                | 24.0⁴            | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 3840 x 2160/25p                | 3840 x 2160          | 56.3                | 25.0             | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 3840 x 2160/30p                | 3840 x 2160          | 67.5                | 30.0⁴            | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 3840 x 2160/60p                | 3840 x 2160          | 135.0               | 60.0⁴            | 297.0                       | ✓ <sup>5</sup>                  | —      | —  | ✓ <sup>5</sup> | —       | —  |
|             |                                | 3840 x 2160          | 135.0               | 60.0⁴            | 594.0                       | ✓                               | —      | —  | —              | —       | —  |
|             | 3840 x 2160/50p                | 3840 x 2160          | 112.5               | 50.0             | 297.0                       | ✓ <sup>5</sup>                  | —      | —  | ✓ <sup>5</sup> | —       | —  |
|             |                                | 3840 x 2160          | 112.5               | 50.0             | 594.0                       | ✓                               | —      | —  | —              | —       | —  |
|             | 4096 x 2160/24p                | 4096 x 2160          | 54.0                | 24.0⁴            | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 4096 x 2160/25p                | 4096 x 2160          | 56.3                | 25.0             | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 4096 x 2160/30p                | 4096 x 2160          | 67.5                | 30.0⁴            | 297.0                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 4096 x 2160/60p                | 4096 x 2160          | 135.0               | 60.0⁴            | 297.0                       | ✓ <sup>5</sup>                  | —      | —  | ✓ <sup>5</sup> | —       | —  |
|             |                                | 4096 x 2160          | 135.0               | 60.0⁴            | 594.0                       | ✓                               | —      | —  | —              | —       | —  |
|             | 4096 x 2160/50p                | 4096 x 2160          | 112.5               | 50.0             | 297.0                       | ✓ <sup>5</sup>                  | —      | —  | ✓ <sup>5</sup> | —       | —  |
|             |                                | 4096 x 2160          | 112.5               | 50.0             | 594.0                       | ✓                               | —      | —  | —              | —       | —  |
| C           | 640 x 480/60                   | 640 x 480            | 31.5                | 59.9             | 25.2                        | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1600 x 1200/50                 | 1600 x 1200          | 61.8                | 49.9             | 131.5                       | —                               | —      | —  | —              | —       | —  |
|             | 1600 x 1200/60                 | 1600 x 1200          | 75.0                | 60.0             | 162.0                       | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 1680 x 1050/50                 | 1680 x 1050          | 54.1                | 50.0             | 119.5                       | —                               | —      | —  | —              | —       | —  |
|             | 1680 x 1050/60                 | 1680 x 1050          | 65.3                | 60.0             | 146.3                       | —                               | —      | —  | —              | —       | —  |
|             | 1920 x 1080/240                | 1920 x 1080          | 291.6               | 240.0            | 583.2                       | ✓                               | —      | —  | —              | —       | —  |
|             | 1920 x 1200/50                 | 1920 x 1200          | 61.8                | 49.9             | 158.3                       | —                               | —      | —  | —              | —       | —  |
|             | 1920 x 1200/60RB               | 1920 x 1200⁶         | 74.0                | 60.0             | 154.0                       | ✓                               | ✓      | ✓  | ✓              | ✓       | ✓  |
|             | 2560 x 1440/50                 | 2560 x 1440          | 74.1                | 50.0             | 256.3                       | —                               | —      | —  | —              | —       | —  |
|             | 2560 x 1440/60                 | 2560 x 1440⁶         | 88.8                | 60.0             | 241.5                       | —                               | ✓      | —  | ✓              | ✓       | —  |
|             | 2560 x 1600/50                 | 2560 x 1600          | 82.4                | 50.0             | 286.0                       | —                               | —      | —  | —              | —       | —  |
|             | 2560 x 1600/60                 | 2560 x 1600⁶         | 98.7                | 60.0             | 268.5                       | ✓                               | ✓      | —  | ✓              | ✓       | —  |
|             | 3440 x 1440/30                 | 3440 x 1440⁶         | 44.0                | 30.0             | 154.7                       | —                               | —      | —  | —              | —       | —  |
|             | 3440 x 1440/50                 | 3440 x 1440⁶         | 73.7                | 50.0             | 259.4                       | —                               | —      | —  | —              | —       | —  |
|             | 3840 x 2400/30                 | 3840 x 2400⁶         | 73.0                | 30.0             | 286.2                       | —                               | ✓      | —  | —              | —       | —  |
|             | 3840 x 2400/50                 | 3840 x 2400⁶         | 122.9               | 50.0             | 481.6                       | —                               | —      | —  | —              | —       | —  |
|             | 3840 x 2400/60                 | 3840 x 2400⁶         | 148.1               | 60.0             | 592.5                       | ✓                               | —      | —  | —              | —       | —  |

1 Requires TY-SB01DL Interface Board for DIGITAL LINK.

2 4K/60p indicates 4K/60p/SDR and 4K/60p/HDR.

3 4K/30p indicates 4K/30p/SDR and 4K/30p/HDR.

4 The signal with 1/1.001x vertical scanning frequency is also supported.

5 YPbPr 4:2:0 format only

6 VESA CVT-RB (Reduced Blanking)-compliant

## List of Single link SDI compatible signals

The following table specifies the single link SDI signals that the projector can project.

This is supported by the <SDI IN> terminal equipped on the projector as standard, or when the optional 12G-SDI Terminal Board (Model No.: TY-SB01QS) or the optional Function Board for 12G-SDI Optical Fiber (Model No.: TY-SB01FB) is installed in the slot.

- The content of the 4K division column is as follows.  
-IL: Interleave (transmission format of 2-Sample Interleave Division)
- The content of the signal type column is as follows.  
-V: Video signal

| Signal Type | Signal name (SIGNAL FORMAT) | Resolution (Dots) | Scanning freq.   |                   | Dot clock freq. (MHz) | 4K division | Format         | Color format | Sampling    |
|-------------|-----------------------------|-------------------|------------------|-------------------|-----------------------|-------------|----------------|--------------|-------------|
|             |                             |                   | Horizontal (kHz) | Vertical (Hz)     |                       |             |                |              |             |
| V           | 720/60p <sup>1</sup>        | 1280 x 720        | 45.0             | 60.0 <sup>2</sup> | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             | 720/50p <sup>1</sup>        | 1280 x 720        | 37.5             | 50.0              | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             | 1080/60i                    | 1920 x 1080i      | 33.8             | 60.0 <sup>2</sup> | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 1920 x 1080i      | 33.8             | 60.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 1920 x 1080i      | 33.8             | 60.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 1080/50i                    | 1920 x 1080i      | 28.1             | 50.0              | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 1920 x 1080i      | 28.1             | 50.0              | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 1920 x 1080i      | 28.1             | 50.0              | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 1080/24p                    | 1920 x 1080       | 27.0             | 24.0 <sup>2</sup> | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 1920 x 1080       | 27.0             | 24.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 1920 x 1080       | 27.0             | 24.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 1080/24sF <sup>1</sup>      | 1920 x 1080i      | 27.0             | 48.0 <sup>2</sup> | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 1920 x 1080i      | 27.0             | 48.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 1920 x 1080i      | 27.0             | 48.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 1080/25p                    | 1920 x 1080       | 28.1             | 25.0              | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 1920 x 1080       | 28.1             | 25.0              | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 1920 x 1080       | 28.1             | 25.0              | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 1080/30p                    | 1920 x 1080       | 33.8             | 30.0 <sup>2</sup> | 74.3                  | —           | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 1920 x 1080       | 33.8             | 30.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 1920 x 1080       | 33.8             | 30.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 1080/60p                    | 1920 x 1080       | 67.5             | 60.0 <sup>2</sup> | 148.5                 | —           | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             | 1080/50p                    | 1920 x 1080       | 56.3             | 50.0              | 148.5                 | —           | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             | 2K/24p                      | 2048 x 1080       | 27.0             | 24.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 2048 x 1080       | 27.0             | 24.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 2K/25p                      | 2048 x 1080       | 28.1             | 25.0              | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 2048 x 1080       | 28.1             | 25.0              | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 2K/30p                      | 2048 x 1080       | 33.8             | 30.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 2048 x 1080       | 33.8             | 30.0 <sup>2</sup> | 74.3                  | —           | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 2K/48p <sup>1</sup>         | 2048 x 1080       | 54.0             | 48.0 <sup>2</sup> | 148.5                 | —           | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             | 2K/60p                      | 2048 x 1080       | 67.5             | 60.0 <sup>2</sup> | 148.5                 | —           | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             | 2K/50p                      | 2048 x 1080       | 56.3             | 50.0              | 148.5                 | —           | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             | 3840 x 2160/24p             | 3840 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 12bit |
|             | 3840 x 2160/25p             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 12bit |
|             | 3840 x 2160/30p             | 3840 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 12bit |
|             | 3840 x 2160/60p             | 3840 x 2160       | 135.0            | 60.0 <sup>2</sup> | 594.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:2:2 10bit |
|             | 3840 x 2160/50p             | 3840 x 2160       | 112.5            | 50.0              | 594.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:2:2 10bit |
|             | 4096 x 2160/24p             | 4096 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1  | RGB          | 4:4:4 12bit |

| Signal Type | Signal name (SIGNAL FORMAT) | Resolution (Dots) | Scanning freq.   |                   | Dot clock freq. (MHz) | 4K division | Format        | Color format | Sampling    |
|-------------|-----------------------------|-------------------|------------------|-------------------|-----------------------|-------------|---------------|--------------|-------------|
|             |                             |                   | Horizontal (kHz) | Vertical (Hz)     |                       |             |               |              |             |
| V           | 4096 x 2160/25p             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1 | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 12G-SDI Type1 | RGB          | 4:4:4 12bit |
|             | 4096 x 2160/30p             | 4096 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1 | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>2</sup> | 297.0                 | IL          | 12G-SDI Type1 | RGB          | 4:4:4 12bit |
|             | 4096 x 2160/60p             | 4096 x 2160       | 135.0            | 60.0 <sup>2</sup> | 594.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:2:2 10bit |
|             | 4096 x 2160/50p             | 4096 x 2160       | 112.5            | 50.0              | 594.0                 | IL          | 12G-SDI Type1 | YPbPr        | 4:2:2 10bit |

1 This is supported when the optional Function Board for 12G-SDI Optical (Model No.: TY-SB01FB) is installed in the slot.

2 The signal with 1/1.001x vertical scanning frequency is also supported.

## List of Quad link SDI compatible signals

The following table specifies the dual signal SDI signals that the projector can project.

Requires TY-SB01QS Interface Board for 12G-SDI Input.

- The content of the 4K division column is as follows.  
-SQ: Square (transmission format of Square Division) -IL: Interleave (transmission format of 2-Sample Interleave Division)
- The content of the signal type column is as follows.  
-V: Video signal

| Signal Type | Signal name (SIGNAL FORMAT) | Resolution (Dots) | Scanning freq.   |                   | Dot clock freq. (MHz) | 4K division | Format         | Color format | Sampling    |
|-------------|-----------------------------|-------------------|------------------|-------------------|-----------------------|-------------|----------------|--------------|-------------|
|             |                             |                   | Horizontal (kHz) | Vertical (Hz)     |                       |             |                |              |             |
| V           | 3840 x 2160/24p             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 3840 x 2160/25p             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 3840 x 2160/30p             | 3840 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             | 3840 x 2160/60p             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             |                             | 3840 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 3840 x 2160/50p             | 3840 x 2160       | 135.0            | 60.0 <sup>1</sup> | 594.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             |                             | 3840 x 2160       | 135.0            | 60.0 <sup>1</sup> | 594.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             | 4096 x 2160/24p             | 3840 x 2160       | 112.5            | 50.0              | 594.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             |                             | 3840 x 2160       | 112.5            | 50.0              | 594.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             | 4096 x 2160/25p             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 54.0             | 24.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 4096 x 2160/25p             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 56.3             | 25.0              | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |

| Signal Type | Signal name (SIGNAL FORMAT) | Resolution (Dots) | Scanning freq.   |                   | Dot clock freq. (MHz) | 4K division | Format         | Color format | Sampling    |
|-------------|-----------------------------|-------------------|------------------|-------------------|-----------------------|-------------|----------------|--------------|-------------|
|             |                             |                   | Horizontal (kHz) | Vertical (Hz)     |                       |             |                |              |             |
| V           | 4096 x 2160/30p             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | HD-SDI         | YPbPr        | 4:2:2 10bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 12bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:4:4 12bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | IL          | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|             |                             | 4096 x 2160       | 67.5             | 30.0 <sup>1</sup> | 297.0                 | SQ          | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|             | 4096 x 2160/60p             | 4096 x 2160       | 135.0            | 60.0 <sup>1</sup> | 594.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             |                             | 4096 x 2160       | 135.0            | 60.0 <sup>1</sup> | 594.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             | 4096 x 2160/50p             | 4096 x 2160       | 112.5            | 50.0              | 594.0                 | SQ          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|             |                             | 4096 x 2160       | 112.5            | 50.0              | 594.0                 | IL          | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |

1 The signal with 1/1.001x vertical scanning frequency is also supported.