

Panasonic

ideas for life

PT-DW6300US
PT-DW6300ULS
PT-D6000US
PT-D6000ULS

1-Chip DLP™ Projectors

Brilliant pictures for effective
visual communication



PT-DW6300US
PT-DW6300ULS

WXGA

6,000 lm

PT-D6000US
PT-D6000ULS

XGA

6,500 lm



A New Standard for 1-chip DLP™ Projectors

Refined Image Quality with Reliability and Easy Maintenance

Panasonic 1-chip DLP™ projectors are brighter and better than ever with a compilation of numerous Panasonic proprietary technologies. The wide-aspect PT-DW6300US/DW6300ULS* with a brightness of 6,000 lumens, and PT-D6000US/D6000ULS* with a brightness of 6500 lumens produce vivid colorful images with the aid of the newly engineered RGB Booster. The Dual-Lamp System makes sure that presentations aren't interrupted even if a lamp suddenly burns out. This is joined by the Auto Cleaning Filter, which makes filter cleaning unnecessary for approximately 10,000 hours, for high reliability. Both models offer easy and flexible system configuration.

PT-DW6300US
PT-DW6300ULS*

WXGA
6,000 lm



PT-D6000US
PT-D6000ULS*

XGA
6,500 lm



*The PT-DW6300ULS and PT-D6000ULS are sold without lenses.
The specifications are the same as those of the PT-DW6300US and PT-D6000US.

Vivid Picture Quality with High Brightness

RGB Booster Significantly Improves Color Reproduction

The RGB Booster achieves high image quality with levels of color reproduction (up to 145% that of conventional models) and brightness that make each color stand out. It combines Panasonic's proprietary Vivid Color Control technology with a newly engineered Lamp Modulation Drive System for a 1-chip DLP™ projector that produces bright and vivid colors.

■ Vivid Color Control

This unique control technology optimizes the use of the color segment areas of the color wheel. It increases the brightness of each RGB color by minimizing the unallocated portions between the colors, to achieve truly vivid coloring.

■ Lamp Modulation Drive System

With the new lamp modulation technology, the projector is now able to control the lamp intensity for each of the red, green, blue, and white segments of the color wheel separately. Because the actual light output is controlled in relation to each color segment, light usage is optimized and color balance is obtained without lowering the brightness. This results in bright vivid images with increased color fidelity.

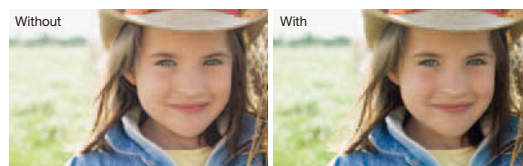
Conventional System	RGB Booster
<p>Conventional</p> <p>Conventional technology was unable to use the boundaries between colors.</p> <p>Unused section</p> <p>Lamp Power [Constant line]</p> <p>Because the lamp power was fixed in conventional projectors, color reproduction was enhanced by sacrificing brightness.</p>	<p>Vivid Color Control</p> <p>Ensures maximum utilization of the color wheel by minimizing unused section.</p> <p>Lamp Power [Modulated line]</p> <p>By modulating the lamp power, we can maximize the color reproduction of each color without sacrificing brightness.</p>

High Brightness with New AC Lamp

Our newly-developed 300-watt AC lamps are used in the PT-DW6300US/D6000US. The high-efficiency light convergence technology and the color wheel work together to achieve the high brightness of 6,000 lm for the PT-DW6300US and 6,500 lm for the PT-D6000US. Clear, crisp images are reproduced even in bright rooms.

Detail Clarity Processor Brings Depth and Clarity to Details

This advanced image-processing circuit analyzes the video signal frequency range for each scene by extracting data on the distribution of high, mid, and low-frequency components, and brings out fine details accordingly. The resulting images have a more natural, three-dimensional appearance with crisp, clear detail.



Conventional sharpness control: Sharpness is applied uniformly, which can cause a halo or ring effect and diminish the sense of depth.

Detail Clarity Processor: Signal frequency is extracted real-time and necessary sharpness is applied at varying degrees for natural, life-like images.

System Daylight View 2 for Enhanced Color Perception

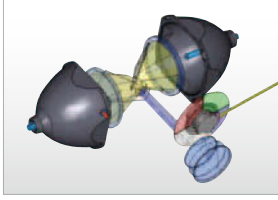
Image details are less clear when a projector is used in a room with the lights on. Panasonic's System Daylight View 2 improves brightness perception by adjusting sharpness, Gamma curves, and color corrections. This produces crisper, more stunning images with vivid colors even under bright conditions.



Easy Maintenance and Superior Reliability

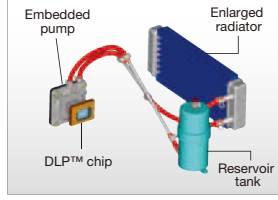
Dual-Lamp System Prevents Image Interruptions

The Dual-Lamp System increases brightness and eliminates the need to interrupt a presentation if a lamp should burn out (in dual-lamp operation mode). The Lamp Relay mode also operates the lamps alternately to enable 24/7 projector operation.



Liquid Cooling System Attains a High Level of Reliability

The liquid cooling system directly cools the DLP™ chip to improve performance and enable operation up to 113°F/45°C. This allows use in a wider variety of environments, while stabilizing performance and keeping the unit quiet even in harsh conditions.



Auto Cleaning Filter Reduces Maintenance Hassles



The Auto Cleaning Filter (ACF) provides a clean filter surface whenever it senses clogging, and brushes dust from the filter. This enhances the Micro Cut Filter's performance, so no filter replacement is needed for over 10,000 hours*, reducing maintenance.



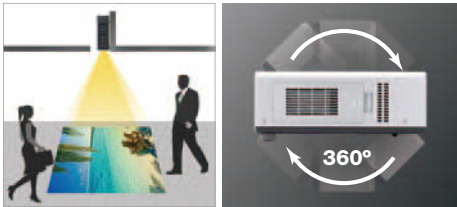
Micro Cut Filter
An electrostatic filter in the air intake section traps particles that are 1 micron or larger. It guards the optical block and keeps dust from entering the interior to provide stable operation.

*The replacement cycle given here is a guideline. It may differ depending on the usage environment.

System Integration Flexibility

Flexible Installation

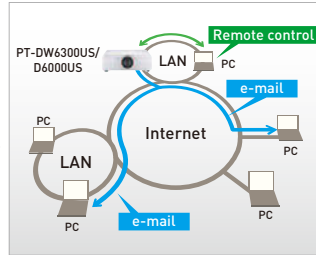
The wide adjustment range of the powered horizontal/vertical lens shift function assures virtually distortion-free images and adds convenience and versatility. It lets you easily make adjustments with the remote control. The unit can also be rotated 360° vertically. This means you can install it at any angle you want, to accommodate different installation conditions.



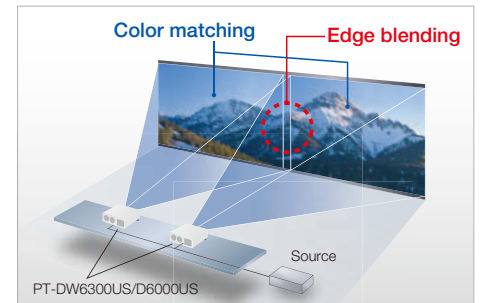
Images can be projected straight down or straight up.

Web Browser Control/Monitoring and E-mail Message Alert

The PT-DW6300US/D6000US can be easily operated remotely over a LAN network, because it is all done using the computer's familiar web browser. Furthermore, the projector sends an e-mail message to notify the operator when an error has occurred, or a lamp needs to be replaced.



Multi-Screen Support System Seamlessly Connects Multiple Screens



Edge Blending

The edges of adjacent screens can be blended and their luminance controlled.

Color Matching

This function corrects for slight variations in the color reproduction range of individual projectors.

Multi-screen Processor

The PT-DW6300US/D6000US can project large, multi-screen images without any additional equipment. Up to 100 units (10 x 10) can be edge-blended at a time.

Standby Mode: eco*

The PT-DW6300US/D6000US has attained a low standby power level of 0.2 W, which is a top-class level in its class. It also helps to slash running costs, and reduces environmental impact.

*During eco standby mode operation, network functions such as standby-on from a LAN network and the serial output terminal will not operate.

Side-by-Side Function PT-DW6300US/DW6300USL

The PT-DW6300US can simultaneously display images from two sources* onto a single screen. For example, you can display a PC image on the left and a video image on the right.

Taking advantage of the wide-screen projection, this function gives you a host of new application possibilities to explore.



With the wide-aspect-ratio capability, you can project two large 4:3 images side-by-side.

*Some source combinations are not supported.

PJLink™ Compatibility



The LAN terminals support PJLink™ Class 1 connection, which is highly convenient for system construction.

Multi Projector Monitoring & Control Software

Panasonic's original "Multi Projector Monitoring & Control" freeware allows the user to control and monitor multiple projectors at the same time via LAN. Projectors can be scheduled to turn on and off at a certain hour everyday. When a problem occurs, an alarm message is sent to the monitoring/controlling PC.

Other Features

- Full 10-bit Signal Processing
- 3D Color Management System
- HD IP Converting Circuitry
- Digital Signal Noise Reduction Circuitry
- Dynamic Sharpness Control Circuitry
- Mechanical Lens Shutter
- 30m Long Range Wireless Remote Control
- Direct Power Off

Ecology-conscious Design

Panasonic works from every angle to minimize environmental impact in the product design, production and delivery processes, and in the performance of the product during its life cycle. The PT-DW6300US/D6000US reflects the following ecological considerations.

- No halogenated flame retardants are used in the cabinet.
- Lamp power switching further reduces power consumption.
- Auto Power Save activates standby mode when no signal is input.
- Standby power consumption of only 0.2 W has been achieved.

Recommended Applications



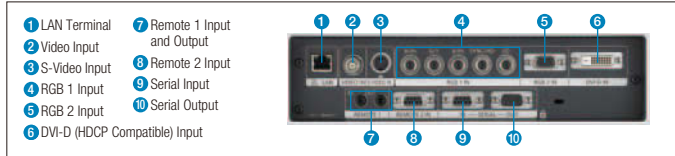
The PT-DW6300US/D6000US boasts superior image quality, flexible installation, and easy maintenance, making either model an ideal choice for use in classrooms, auditoriums, houses of worship, museums, and much more.

Specifications

Models	PT-DW6300U/DW6300ULS	PT-D6000U/D6000ULS
Power supply	120 V AC 50/60 Hz	
Power consumption	780 W (780 VA), (Standby mode eco ¹): 0.2W, Standby mode normal: 8 W, Both with fan stopped.)	
DLP TM chip	Panel size 0.65" diagonal (16:10 aspect ratio)	0.7" diagonal (4:3 aspect ratio)
Display method	DLP TM chip x 1, DLP TM system	
Pixels	1,024,000 (1,280 x 800) x 1, total of 1,024,000 pixels	786,432 (1,024 x 768) x 1, total of 786,432 pixels
Lens	Powered zoom/focus lenses (1.8–2.4:1), F 1.7–2.0, 1.25–6–33.8 mm	
PT-DW6300U/D6000US PT-DW6300ULS/D6000ULS	Optional powered zoom/focus lenses	
Lamp	300 W UHM lamps (x 2) (dual-lamp system)	
Screen size	50–600 inches (50–200 inches with the ET-DLE055), 16:10 aspect ratio	50–600 inches (50–200 inches with the ET-DLE055), 4:3 aspect ratio
Brightness ²	6,000 lumens (dual-lamp, high power mode)	6,500 lumens (dual-lamp, high power mode)
Center-to-corner uniformity ³	90 %	
Contrast ⁴	2,000:1 (full on/full off, contrast mode: high) ³	
Resolution	1,280 x 800 pixels (Input signals that exceed this resolution will be converted to 1,280 x 800 pixels.)	1,024 x 768 pixels (Input signals that exceed this resolution will be converted to 1,024 x 768 pixels.)
Scanning frequency	Horizontal: 15–91 kHz, Vertical: 50–85 Hz, Dot clock: 162 MHz or lower	
RGB	Horizontal: 15–91 kHz, Vertical: 50–85 Hz, Dot clock: 150 MHz or lower	
YPbPr (Y/Cb/Cr)	525i (480i), 625i (576i), 525p (480p), 625p (576p), 750 (720p/60p), 750 (720p/50p), 1035/60i, 1125 (1080i/60i), 1125 (1080i/50i), 1080/25p, 1080/24p, 1080/24f, 1080/30p, 1080/60p, 1080/50p	
S-Video/Video	Horizontal: 15.75/15.63 kHz, Vertical: 50/60 Hz, (NTSC, NTSC4.43, PAL, PAL60, PAL-N, PAL-M, SECAM)	
Optical axis shift	Vertical: +60° (powered), horizontal: ±10° (powered) Vertical: +50° (powered), horizontal: ±10° (powered)	
Keystone correction range	Vertical: ±40° (±30° with the ET-DLE055)	
Installation	Ceiling/floor, front/rear	
Terminals ⁵	DVI-D 24-pin RGB 1/YPbPr IN BNC x 5 RGB 2/YPbPr IN D-sub HD 15-pin VIDEO IN BNC S-VIDEO IN Mini DIN 4-pin SERIAL IN D-sub 9-pin (RS-232C compliant) SERIAL OUT D-sub 9-pin REMOTE 1 IN M-3 jack REMOTE 1 OUT M-3 jack REMOTE 2 IN M-3 jack LAN RJ-45 for network connection, 10Base-T/100Base-TX, compliant with PoE Link™	
Power cord length	9'10" (3.0 m)	
Cabinet material	Molded plastic	
Dimensions (W x H x D)	19-19/32" x 6-7/8" x 17-5/16" (498 mm x 175 mm x 440 mm) (with supplied lens)	
PT-DW6300U/D6000US PT-DW6300ULS/D6000ULS	19-19/32" x 6-7/8" x 17" (498 mm x 175 mm x 432 mm) (without lens)	
Weight ⁶	Approx. 35.3 lbs (16.0 kg) (with supplied lens)	
PT-DW6300U/D6000US PT-DW6300ULS/D6000ULS	Approx. 33.5 lbs (15.2 kg) (without lens)	
Operating temperature	32–113°F (0–45°C)	
Operating humidity	20–80 % (no condensation)	
Supplied accessories	Power cord, Wireless/wired remote control unit, Batteries for remote control (AA type x 2), Wire rope	

¹ During eco standby mode operation, network functions such as standby-on from a LAN network and the serial output terminal will not operate. ² Measurement, measuring conditions, and method of notation all comply with ISO 11118 international standards. ³ Brightness: 3,000 lumens (PT-DW6300U/DW6300ULS), 3,250 lumens (PT-D6000U/D6000ULS). ⁴ The HD/SYNC and VD inputs do not accept the tri-level sync signal. ⁵ Average value. May differ depending on models.

Multiple terminals



Optional accessories

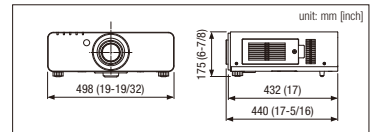
Lens	Lamp	Filter
Zoom lens ET-DLE080 (0.82–1.03:1) PT-DW6300 (0.81–1.01:1) PT-D6000	Replacement lamp unit ET-LAD60A ET-LAD60AW (twin pack)	Replacement filter unit ET-ACF100
Zoom lens ET-DLE150 (1.4–2.0:1) PT-DW6300 (1.3–2.0:1) PT-D6000	Zoom lens ET-DLE250 (2.4–3.8:1) PT-DW6300 (2.4–3.7:1) PT-D6000	Ceiling mount bracket ET-PKD56H (for high ceilings) ET-PKD55S (for low ceilings)
Zoom lens ET-DLE350 (3.8–5.7:1) PT-DW6300 (3.7–5.6:1) PT-D6000	Zoom lens ET-DLE450 (5.6–9.0:1) PT-DW6300 (5.5–8.9:1) PT-D6000	Fixed-focus lens ET-DLE055 (0.8:1)

Black color models

Models	PT-DW6300UK/D6000UK	PT-DW6300UK/D6000UK
Color variation		
Lens	Included	Not included
Special order	Yes	Yes

*The specifications are the same as those of the PT-DW6300US and PT-D6000US.

Dimensions



Projection distance

Diagonal image size	PT-DW6300U screen size (16:10)						Throw distance							
	With ET-DLE080 0.82-1.03:1		With ET-DLE150 1.4-2.0:1		With supplied lens		With ET-DLE250 2.4-3.8:1		With ET-DLE350 3.8-5.7:1		With ET-DLE450 5.6-9.0:1		With ET-DLE055 0.8:1	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
50"	868mm 2.8	1,089mm 3.6	1,447mm 4.8	2,116mm 7.0	1,922mm 6.4	2,557mm 8.4	2,542mm 8.4	4,063mm 13.4	3,999mm 13.2	6,112mm 20.1	5,957mm 19.6	9,585mm 31.5	8,711mm 29.1	8,711mm 29.1
80"	1,418mm 4.7	1,769mm 5.8	2,348mm 7.8	4,160mm 13.3	3,114mm 10.3	4,130mm 13.6	4,116mm 13.6	6,548mm 21.5	6,479mm 21.3	9,860mm 32.4	9,711mm 31.9	15,513mm 51.0	14,233mm 47.1	14,233mm 47.1
100"	1,784mm 5.9	2,222mm 7.3	2,943mm 9.7	4,282mm 14.1	3,909mm 12.9	5,178mm 17.0	5,165mm 17.0	8,204mm 27.0	8,133mm 26.7	12,359mm 40.6	12,215mm 40.1	19,488mm 64.0	17,911mm 57.9	17,911mm 57.9
150"	2,699mm 8.9	3,356mm 11.0	4,450mm 14.6	6,448mm 21.2	5,896mm 19.4	7,799mm 25.6	7,787mm 25.6	12,346mm 40.6	12,266mm 40.3	18,605mm 61.1	18,473mm 60.7	29,282mm 96.4	27,500mm 89.9	27,500mm 89.9
200"	3,615mm 11.9	4,489mm 14.7	5,952mm 19.6	8,614mm 28.3	7,884mm 25.9	10,420mm 34.2	10,410mm 34.2	16,488mm 54.1	16,400mm 53.9	24,852mm 81.6	24,731mm 81.2	39,276mm 128.9	36,299mm 120.0	36,299mm 120.0
300"	5,446mm 17.9	6,755mm 22.2	8,955mm 29.4	12,946mm 42.5	11,858mm 39.0	15,622mm 51.4	15,644mm 51.4	24,771mm 81.3	24,668mm 81.0	37,345mm 122.6	37,248mm 122.3	59,063mm 193.8	55,063mm 179.5	55,063mm 179.5
400"	7,277mm 23.9	9,022mm 29.6	11,958mm 39.3	17,278mm 56.7	15,832mm 52.0	20,903mm 68.6	20,899mm 68.6	33,055mm 108.5	32,936mm 108.1	49,833mm 163.6	49,744mm 163.3	78,820mm 258.7	74,820mm 242.5	74,820mm 242.5
500"	9,108mm 29.9	11,288mm 37.0	14,911mm 49.1	21,610mm 70.9	19,807mm 65.0	26,145mm 85.8	26,140mm 85.8	41,338mm 135.7	41,203mm 135.2	62,331mm 204.5	62,280mm 204.4	93,276mm 307.7	89,276mm 292.7	89,276mm 292.7
600"	10,939mm 35.9	13,555mm 44.5	17,963mm 59.0	25,942mm 85.2	23,781mm 78.1	31,387mm 103.0	31,389mm 103.0	51,044mm 167.4	50,974mm 167.4	74,820mm 245.5	74,797mm 245.4	112,125mm 368.6	108,125mm 356.6	108,125mm 356.6
PT-DW6300U screen size (16:9)														
	With ET-DLE080 0.81-1.01:1		With ET-DLE150 1.3-2.0:1		With supplied lens		With ET-DLE250 2.4-3.7:1		With ET-DLE350 3.7-5.6:1		With ET-DLE450 5.5-8.9:1		With ET-DLE055 0.8:1	
50"	894mm 2.9	1,121mm 3.3	1,489mm 4.9	2,176mm 7.2	1,977mm 6.5	2,630mm 8.7	2,615mm 8.6	4,178mm 13.8	4,114mm 13.5	6,286mm 20.7	6,131mm 20.2	9,870mm 32.4	8,971mm 29.1	8,971mm 29.1
80"	1,458mm 4.8	1,819mm 6.0	2,415mm 8.0	3,512mm 11.6	3,203mm 10.6	4,246mm 14.0	4,233mm 14.0	6,732mm 22.1	6,663mm 21.9	10,338mm 34.0	10,190mm 33.8	15,971mm 52.4	14,649mm 49.3	14,649mm 49.3
100"	1,835mm 6.0	2,285mm 7.5	3,032mm 10.0	4,403mm 14.3	4,020mm 13.2	5,324mm 17.5	5,311mm 17.5	8,435mm 27.7	8,362mm 27.5	12,706mm 41.7	12,583mm 41.3	20,038mm 65.8	18,421mm 60.7	18,421mm 60.7
150"	2,776mm 9.1	3,450mm 11.3	4,576mm 15.1	6,629mm 21.5	6,062mm 19.9	8,017mm 26.4	8,006mm 26.3	12,692mm 41.7	12,611mm 41.4	19,126mm 62.8	18,995mm 62.4	30,207mm 99.2	27,868mm 92.2	27,868mm 92.2
200"	3,717mm 12.2	4,615mm 15.1	6,119mm 20.1	8,851mm 29.5	8,105mm 26.6	10,711mm 35.2	10,701mm 35.2	16,948mm 55.7	16,860mm 55.4	25,546mm 83.9	25,427mm 83.5	40,376mm 132.5	37,311mm 123.3	37,311mm 123.3
300"	5,589mm 18.4	6,944mm 22.8	9,205mm 30.3	13,307mm 43.7	12,189mm 40.0	16,099mm 52.9	16,092mm 52.9	25,462mm 83.6	25,358mm 83.2	38,387mm 126.0	38,292mm 125.7	60,713mm 199.2	57,311mm 182.7	57,311mm 182.7
400"	7,481mm 24.5	9,274mm 30.4	12,292mm 40.4	17,760mm 58.3	16,274mm 53.4	21,496mm 70.5	21,482mm 70.5	33,976mm 111.5	33,855mm 111.5	51,227mm 168.1	51,156mm 167.9	81,051mm 266.0	76,051mm 246.7	76,051mm 246.7
500"	9,362mm 30.7	11,604mm 39.1	15,378mm 50.5	22,212mm 72.9	20,359mm 66.8	26,874mm 88.2	26,873mm 88.2	42,490mm 139.5	42,353mm 139.0	64,068mm 210.2	64,020mm 210.1	101,388mm 332.7	95,388mm 316.1	95,388mm 316.1
600"	11,244mm 36.9	13,933mm 45.7	18,464mm 60.8	26,665mm 87.5	24,444mm 80.2	32,261mm 105.9	32,264mm 105.9	51,044mm 167.4	50,974mm 167.4	74,820mm 245.5	74,797mm 245.4	121,725mm 399.4	116,725mm 383.4	116,725mm 383.4
PT-D6000U screen size (4:3)														
	With ET-DLE080 0.81-1.01:1		With ET-DLE150 1.3-2.0:1		With supplied lens		With ET-DLE250 2.4-3.7:1		With ET-DLE350 3.7-5.6:1		With ET-DLE450 5.5-8.9:1		With ET-DLE055 0.8:1	
50"	805mm 2.8	1,011mm 3.3	1,344mm 4.5	1,967mm 6.5	1,785mm 5.9	2,376mm 7.8	2,361mm 7.8	3,777mm 12.4	3,713mm 12.2	5,681mm 18.6	5,525mm 18.2	8,912mm 29.3	8,088mm 27.1	8,088mm 27.1
80"	1,317mm 4.3	1,644mm 5.4	2,183mm 7.2	3,177mm 10.5	2,895mm 9.5	3,840mm 12.8	3,826mm 12.8	6,090mm 20.0	6,023mm 19.8	9,170mm 30.1	9,020mm 30.1	14,438mm 47.4	13,222mm 43.4	13,222mm 43.4
100"	1,658mm 5.4	2,066mm 6.8	2,742mm 9.0	3,983mm 13.1	3,635mm 12.0	4,816mm 15.9	4,803mm 15.9	7,633mm 25.1	7,562mm 24.9	11,496mm 37.8	11,351mm 37.3	18,123mm 58.5	16,641mm 53.5	16,641mm 53.5
150"	2,510mm 8.2	3,121mm 10.2	4,140mm 13.8	6,000mm 20.0	5,485mm 18.0	7,256mm 23.9	7,244mm 23.9	11,489mm 37.5	11,411mm 37.5	17,312mm 56.8	17,177mm 56.4	27,333mm 89.7	25,591mm 81.9	25,591mm 81.9
200"	3,362mm 11.0	4,176mm 13.0	5,537mm 18.0	8,016mm 26.3	7,335mm 24.1	9,696mm 31.9	9,686mm 31.9	15,344mm 50.4	15,259mm 50.1	23,127mm 75.9	23,004mm 75.5	36,544mm 113.9	33,751mm 111.1	33,751mm 111.1
300"	5,067mm 16.6	6,286mm 20.6	8,333mm 27.4	12,049mm 39.6	11,035mm 36.3	14,576mm 47.9	14,568mm 47.9	23,056mm 75.7	22,966mm 75.4	34,758mm 114.1	34,656mm 113.8	54,966mm 180.4	51,966mm 162.8	51,966mm 162.8
400"	6,771mm 22.2	8,396mm 27.5	11,299mm 37.8	16,082mm 52.8	14,735mm 48.4	19,456mm 63.9	19,451mm 63.9	30,768mm 101.0	30,653mm 100.6	46,389mm 152.2	46,309mm 152.0	73,387mm 240.8	69,387mm 216.1	69,387mm 216.1
500"	8,476mm 27.8	10,506mm 34.5	13,924mm 45.7	20,115mm 66.0	18,435mm 60.5	24,336mm 79.9	24,334mm 79.9	38,480mm 126.3	38,350mm 125.9	58,020mm 190.4	57,961mm 190.3	91,809mm 301.3	87,809mm 291.3	87,809mm 291.3
600"	10,181mm 33.4	12,616mm 41.4	16,720mm 54.9	24,148mm 79.3	22,135mm 72.7	29,216mm 95.9	29,217mm 95.9	46,192mm 151.6	46,047mm 151.1	69,651mm 228.6	69,614mm 228.4	110,231mm 361.7	106,231mm 349.7	106,231mm 349.7

NOTES ON USE