4000 Series   **9000 Series**
5000 Series   **10000 Series**
8000 Series

Installation Series
Projectors

Providing advanced functionality with flexible installation features

iF product design award 2013 GOLD

PICTURE BY **DLP** TEXAS INSTRUMENTS

3LCD

AMX DEVICE DISCOVERY

CRESTRON connected

Compatible with
Projector Quick Connection App

Available on the **App Store**

HITACHI
Inspire the Next

Models that are ideal for 24-hour use and capable of multi-projection using multiple projectors

Basic models that are easy to use and are packed with features

Classrooms

Small and Midsize Conference Rooms

5000 series
4000 series
CP-X5022WN / CP-X4022WN
CP-WX4022WN

9000 series
CP-X9110 / CP-WX9210
CP-WU9410

Models capable of industry-leading lens shift that make installation in various places a possibility

10000 series
CP-X10000
CP-WX11000
CP-SX12000

Models with a slim design that blend seamless with ceilings

8000 series
CP-X8170 / CP-WX8265 / CP-WU8460
CP-X8160 / CP-WX8255 / CP-WU8450
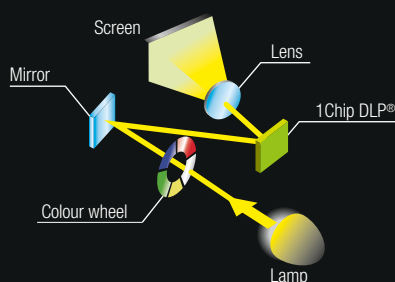CP-SX8350 / CP-X8150 / CP-WX8240
CP-WU8440

10000 series | 9000 series

Model Name	CP-X10000	CP-WX11000	CP-SX12000	CP-X9110	CP-WX9210	CP-WU9410	CP-X8170	CP-WX8265	CP-WU8460
Display System	3 LCD			1Chip DLP®					
Light Output (Brightness)	7500lm	6500lm	7000lm	10000lm	8500lm	8500lm	7000lm	6500lm	6000lm
Resolution	XGA	WXGA	SXGA+	XGA	WXGA	WUXGA	XGA	WXGA	WUXGA
	1024x768	1366x800	1400x1050	1024x768	1280x800	1920x1200	1024x768	1280x800	1920x1200
Light Source	350W			370W x2			365W		
Standard Outside Dimensions (W x H x D)	476mm x 272mm x 469mm (18.74" x 10.71" x 18.46") (Excluding lens and protruding parts)			537mm x 170mm x 438mm (21.1" x 6.7" x 17.2") (Excluding lens and protruding parts)					
Weight	13.1kg (28.9lbs.) (Excluding lens)			16.6kg (35.3lbs.) (Excluding lens)			8.8kg (19.4lbs.)		
Main Features	Superior Lens Shift High Performance Filter Ultra Short Lens Inorganic LCD panels Motorised Zoom, Focus and Lens Shift			2 HDMI input Accentualizer & HDCR Built in Dual Colour Wheel HD Base T Dual Lamp Edge Blending Geometric Correction Status Monitor Display Motorised Zoom, Focus and Lens Shift			2 HDMI input Accentualizer PbyP/PinP High Efficiency Optical System Slim Design Status Monitor Display Motorised Zoom, Focus and Lens Shift		

1Chip DLP®

Projection method that uses a single DLP® chip to switch the red, green, and blue signals according to the colour wheel. This method provides excellent colour uniformity of images, durability, and is ideal for multiple projections and 24-hour use.

Screen
Lens
Mirror
1Chip DLP®
Colour wheel
Lamp

8000 series

5000 series
4000 series

CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
3 LCD							3 LCD		
6000lm	5500lm	5000lm	5000lm	5000lm	4000lm	4200lm	5000lm	4000lm	4000lm
XGA	WXGA	WUXGA	SXGA+	XGA	WXGA	WUXGA	XGA	XGA	WXGA
1024x768	1280x800	1920x1200	1400x1050	1024x768	1280 x 800	1920x1200	1024x768	1024x768	1280x800
330W				245W			245W		
498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding protruding parts)							401mm x 103mm x 318mm (15.8" x 4.1" x 12.5") (Excluding protruding parts)		
8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.4kg (18.5lbs.)	8.4kg (18.5lbs.)	8.7kg (19.2lbs.)	4.6kg (10.1lbs.)		
2 HDMI input High Efficiency Optical System Slim Design 360° Projection Status Monitor Display Motorised Zoom, Focus and Lens Shift 2.0x Zoom Standard Lens				2 HDMI input High Efficiency Optical System Slim Design Motorised Zoom , Focus and Lens Shift			1.7x Zoom Lens Intelligent ECO Instant Stack Manual V + H Lens Shift		

3 LCD Chips with Inorganic Alignment Layers

Projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.

Screen
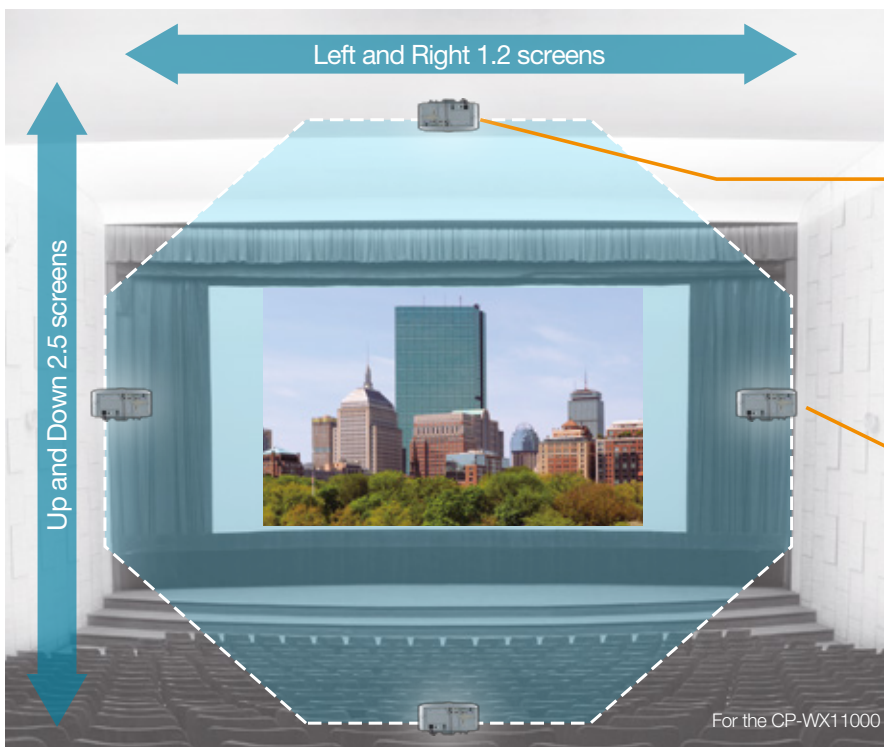
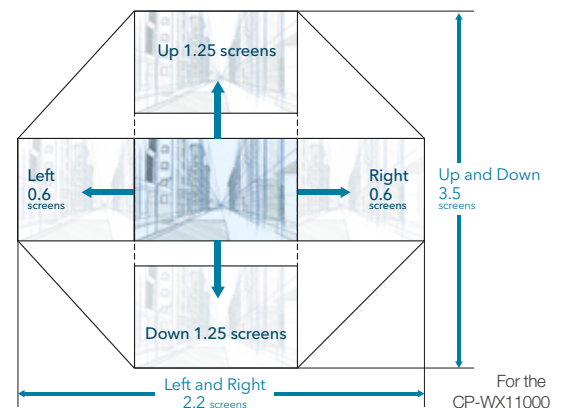Prism

Lamp

B

G

R
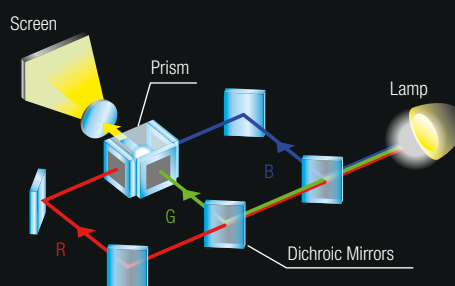
Dichroic Mirrors

10000 series

CP-X10000 / CP-WX11000
CP-SX12000

Advanced Installability and
System Features for Various Uses

## Advanced Installability and System Features for Various Uses

Superior Lens Shift

The CP-WX11000 is capable of shifting the lens up and down ±1.25 screens and left and right ±0.6 screens, achieving a lens shift of the highest class in the industry. The projectors accommodate difficult installation conditions with ease, whether it is a location with a high ceiling resulting in the screen being lower than the projector or obstructions such as beams or pipes preventing installation in desired locations. Also, this lens shift uses optical correction instead of circuit signal processing which provides an image with no loss of image quality.

*Figures when standard lens SD-804 is used.

Up 1.25 screens

Left 0.6 screens

Right 0.6 screens

Up and Down 3.5 screens

Down 1.25 screens

Left and Right 2.2 screens

For the CP-WX11000

Left and Right 1.2 screens

Up and Down 2.5 screens

For the CP-WX11000

Capable of installation on high ceilings not possible before.
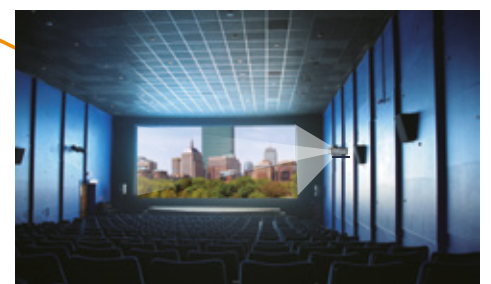
Capable of installation off-centre from screens not possible before.

CP-X10000	CP-WX11000	CP-SX12000		
XGA 7,500lm	WXGA 6,500lm	SXGA+ 7,000lm		

## Ensuring High Reliability and Stability

High Performance Filter

The finely crafted form of these projectors incorporates a four-layer filter, providing maximum defense against dust with four unwoven cloth layers and an HAF filter. Thanks to their long life and easy maintenance, these models are ideal for use in retail, digital signage and other environments where the projector is in constant use.

Inorganic LCD panels

These Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.
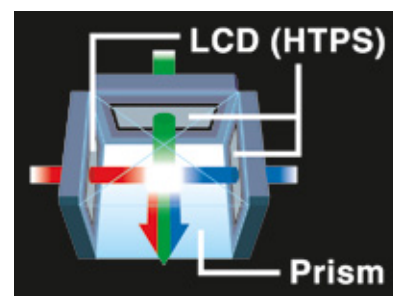
Variety of Interchangeable Lens Options

Lenses are all optional

Six lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls and other large spaces.

		Projection distance (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100"screen
USL-801 Ultra short throw lens Zoom: x1.2	CP-X10000 CP-SX12000	1.0 - 1.2m (39 - 47")	0.5 - 0.6	
	CP-WX11000	1.1 - 1.3m (43 - 51")	0.5 - 0.6	
SL-802 Short throw lens Zoom:x1.2	CP-X10000 CP-SX12000	2.5 - 3.0m (99 - 119")	1.2 - 1.5	
	CP-WX11000	2.7 - 3.3m (106 - 129")	1.2 - 1.5	
SL-803 Short throw lens Zoom:x1.5	CP-X10000 CP-SX12000	3.0 - 4.4m (116 - 173")	1.5 - 2.2	
	CP-WX11000	3.2 - 4.7m (126 - 186")	1.5 - 2.2	
SD-804 Standard lens Zoom:x1.3	CP-X10000 CP-SX12000	4.4 - 5.8m (175 - 230")	2.2 - 2.9	
	CP-WX11000	4.8 - 6.3m (189 - 248")	2.2 - 2.9	
LL-805 Long throw lens Zoom:x1.8	CP-X10000 CP-SX12000	5.7 - 10.7m (226 - 419")	2.8 - 5.2	
	CP-WX11000	6.2 - 11.5m (244 - 453")	2.8 - 5.2	
UL-806 Ultra Long throw lens Zoom:x1.8	CP-X10000 CP-SX12000	10.2 - 18.8m (402 - 740")	5.0 - 9.2	
	CP-WX11000	11.0 - 20.3m (433 - 798")	5.0 - 9.2	

9000 series
CP-X9110 / CP-WX9210 / CP-WU9410

Available in August

Models that are ideal for 24-hour use and capable of multi-projection using multiple projectors

High Brightness and Image Quality That Deliver Bright Vivid Colours

Built-in Dual Colour Wheel

Two colour wheels are built in to match usage conditions. By switching the colour wheel, you can achieve an image quality to match the projected image.
Previously requiring the services of an expert, Hitachi unique technology allows you to switch the colour wheel in about 10 seconds by the remote control without having to open the chassis to install the colour wheel.

Rich Colour mode

Down

Colour wheel 1

Down

Colour wheel 2

Reproduces colour in levels equivalent to digital cinema. Ideal for use in museums and for viewing videos that emphasise colour.

Bright mode

Colour wheel 1

Up

Colour wheel 2

Up
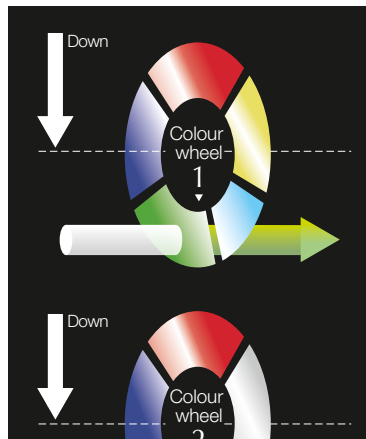
Prioritises brightness and sharpens white colours. Achieves projections with contrast and bright images, making it ideal for presentations and other situations that require the sharing of information.
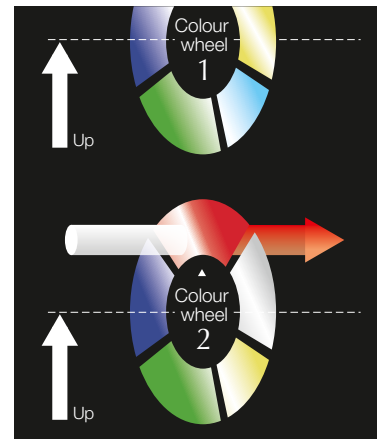
ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing (1) Sharpness, (2) Gloss and (3) Shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colours of projected images are true to life.

1 2 3

ON OFF
Sharpness

ON OFF
Gloss

ON OFF
Shade

CP-X9110
XGA 10,000lm

CP-WX9210
WXGA 8,500lm

CP-WU9410
WUXGA 8,500lm

HDCR (High Dynamic Contrast Range)

Bright room

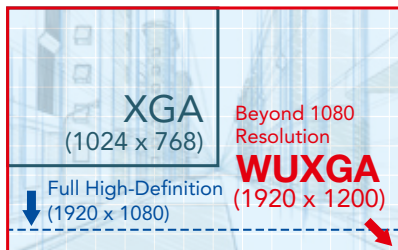HDCR OFF

▼ **Clear!!**

HDCR ON
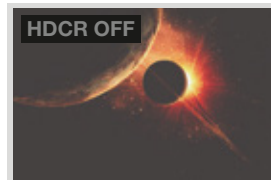
When average projectors are used in bright rooms, the darker colours of an image deteriorate and the image becomes less clear.

Using HDRC, blurred images caused by room lighting or outside light sources are corrected and an effect similar to increasing contrast occurs. This result is a clear image even in a bright rooms.

WUXGA

Projectors support high resolution WUXGA that covers Full HD. You can enjoy wide-screen images with a full sense of reality.
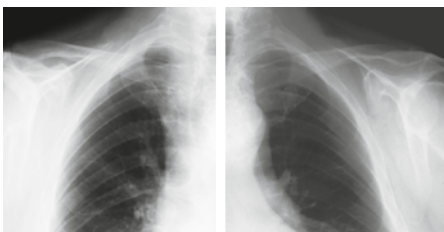
* Only for the CP-WU9410.

XGA (1024 x 768)

Beyond 1080 Resolution **WUXGA** (1920 x 1200)

Full High-Definition (1920 x 1080)

DICOM® Simulation Mode

The DICOM (Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximate DICOM Part 14 specifications. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

The projectors have a DICOM (Digital Imaging and Communications in Medicine) Simulation Mode. This mode simulates the DICOM standard, which is a standard applicable to digital communications in medicine, and is useful for displaying medical images such as X-rays. These projectors are not medical devices and are not compliant with the DICOM standard, and neither the projector nor the DICOM Simulation Mode should be used for medical diagnosis. Comparison photos are simulations.
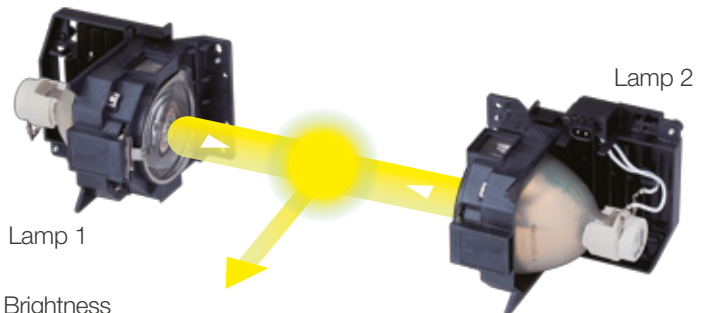

Standard Mode

DICOM Simulation Mode

Dual Lamp

Equipped with a dual lamp system that achieves a high brightness of 10,000lm* in a compact body weighing only 16.6kg (35.3lbs.)**. The period between lamp maintenance can be doubled by using the single lamp mode. * CP-X9110 ** Not include lens.
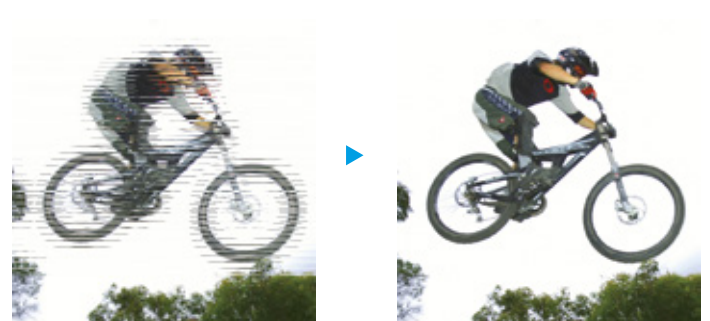

Lamp 1

Lamp 2

Brightness

Lamp		CP-X9110	CP-WU9410, CP-WX9210
Dual Mode	Normal	10,000lm	8,500lm
	Eco	7,500lm	6,400lm
Single Mode	Normal	5,000lm	4,250lm
	Eco	3,800lm	3,200lm

Motion Adaptive Deinterlacer

Provides focused images, even for fast moving images.

Standard video capture
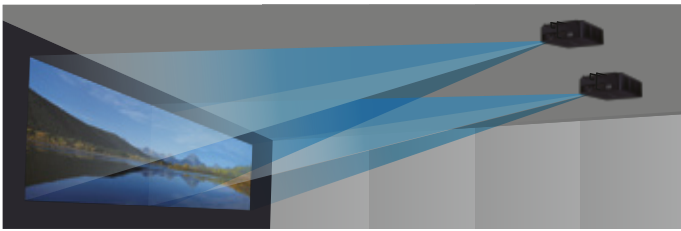
Digital rapid motion adaptive de-interlacer

Equalising Gamma/Colour Balance

Easily perform gamma and colour balance adjustments while viewing images.

Gamma

Colour balance

Advanced Installability and System Features for Various Uses

Edge Blending

Projectors are equipped with the Edge Blending function that achieves the seamless projection of a single image using multiple projectors. The 9000 series projectors come with various blending functions that meet the level users expect.

Instant Blending

Easily perform blending processing without the use of any special equipment.

Automatic Blending

Use a camera and quickly perform high precision blending processing automatically.

* Requires installation of a specialised application to your computer.

360° Projection

Projectors can be installed facing any 360 degree direction providing many projection possibilities. For example, you can install a projector to project onto a floor or ceiling. You can utilise the projectors in many different ways.


360°

Short Zoom Lens

An optional short zoom lens developed by Hitachi offers powered zoom, powered focus, and adequate lens shift. This lens increases installability of the projectors like never before.
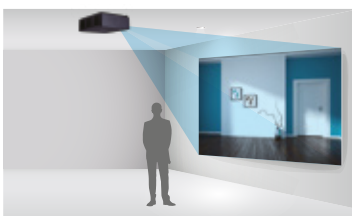
Geometric Correction

Geometric correction is possible from your computer by using the specialised application. Projection is possible on spherical surfaces and surfaces with corners, as well as conventional flat screens.
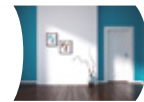
Curved screen   Curved screen
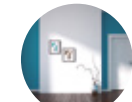
Spherical object   Corner wall

Superior Lens Shift

Superior lens shift lets you choose the most covenient installation location, even for large spaces.

* The figure below is for the CP-WX9210.

Left 0.1 screens

Right 0.1 screens

Down 1.65 screens*

Down 0.65 screens*

Left and Right 1.2 screens
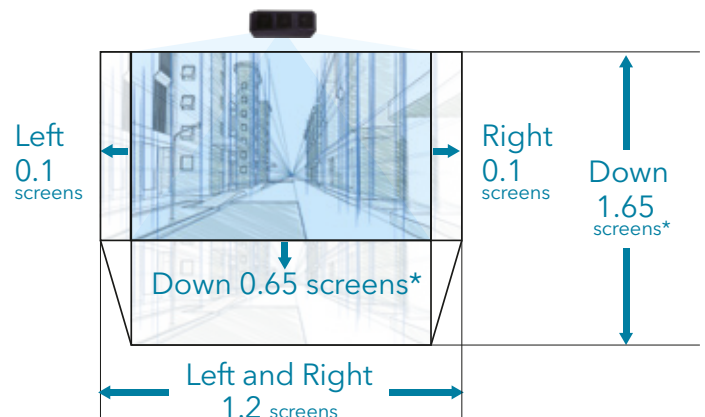
Digital connectivity

4 Digital Inputs

Projectors provide 4 digital inputs consisting of HDMI, DVI-D, and HDBaseT to handle many types of installation environments.

HD Base T

Signals can be transmitted with no image degradation using standard LAN cables (Cat5e/6) up to 100m.

Ensuring High Reliability and Stability

24/7 Usage

These projectors are equipped with the highly reliable Dual Lamp System. If one lamp stops functioning during use, the second lamp activates and projects the image with no interruption in the projection. Also, 24 hours of continuous operation is available with the Alternative Mode which alternates the use of the two lamps.

Alternative Mode

Lamp A
Lamp B

ON / OFF
3h 3h 3h

When 3 hours is set
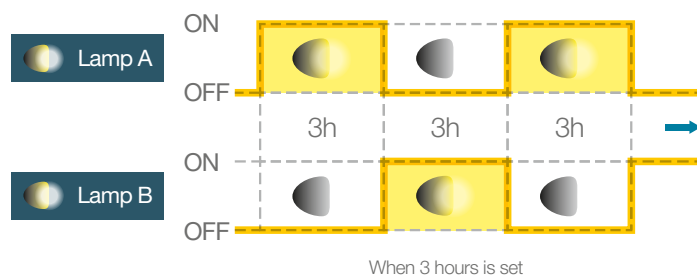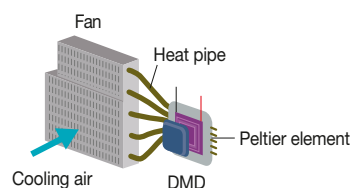
New Cooling System

Peltier elements are positioned on the rear surface of the DLP® chip and provide efficient cooling in environments with an ambient temperature of up to 45 degrees Celsius.

Fan
Heat pipe
Peltier element
Cooling air
DMD

High Performance Filter

The finely crafted form of these projectors incorporates a three-layer filter, providing maximum defense against dust with unwoven cloth layers and an HAF filter. Thanks to this long life and easy maintenance, these models are ideal for use in retail, digital signage and other environments where the projector is in constant use.

Variety of Interchangeable Lens Options

Lenses are all optional

Seven lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls and other large spaces.

| Lens	Model	Projection distance (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100" screen
USL-901 Ultra short throw lens Zoom: x1.3	CP-WU9410	1.7 - 2.1m (67 - 84")	0.8 - 1.0	
	CP-WX9210	1.8 - 2.2m (71 - 88")	0.8 - 1.0	
	CP-X9110	1.7 - 2.1m (66 - 82")	0.8 - 1.0	
SL-902 Short throw lens Zoom: x1.5	CP-WU9410	2.5 - 3.8m (100 - 149")	1.1 - 1.7	
	CP-WX9210	2.7 - 4.0m (105 - 156")	1.2 - 1.8	
	CP-X9110	2.5 - 3.7m (98 - 146")	1.2 - 1.8	
SD-903W Standard lens Zoom: x1.5	CP-WU9410	3.5 - 5.3m (140 - 209")	1.6 - 2.4	
	CP-WX9210	3.7 - 5.6m (147 - 220")	1.7 - 2.6	
SD-903X Standard lens Zoom:x1.5	CP-X9110	3.5 - 5.2m (136 - 205")	1.7 - 2.5	
ML-904 Middle lens Zoom: x1.5	CP-WU9410	5.2 - 7.9m (205 - 313")	2.4 - 3.6	
	CP-WX9210	5.5 - 8.3m (216 - 329")	2.5 - 3.8	
	CP-X9110	5.1 - 7.8m (200 - 306")	2.5 - 3.8	
LL-905 Long throw lens Zoom: x1.6	CP-WU9410	7.6 - 12.2m (298 - 482")	3.5 - 5.6	
	CP-WX9210	8.0 - 12.9m (314 - 506")	3.7 - 5.9	
	CP-X9110	7.4 - 12.0m (291 - 471")	3.6 - 5.8	
UL-906 Ultra long throw lens Zoom: x1.6	CP-WU9410	12.0 - 19.0m (472 - 749")	5.5 - 8.8	
	CP-WX9210	12.6 - 20.0m (496 - 786")	5.8 - 9.2	
	CP-X9110	11.7 - 18.6m (462 - 732")	5.7 - 9.1	

3LCD

product design award
iF
2013 GOLD

8000 series

CP-X8170 / CP-WX8265 / CP-WU8460
CP-X8160 / CP-WX8255 / CP-WU8450 / CP-SX8350 /
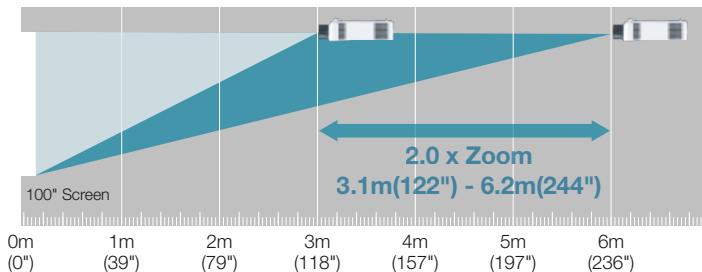CP-X8150 / CP-WX8240 / CP-WU8440

Providing advanced functions
and flexible installation features
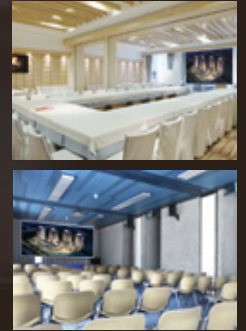
Advanced Installability and System Features for Various Uses

2.0x Zoom Lens

Featuring a powerful 2.0x manual zoom lens, the projectors allow for a greater range of installation possibilities. This is particularly convenient in rooms that lack installation flexibility due to ceiling obstructions such as water sprinklers, vents and lighting fixtures.
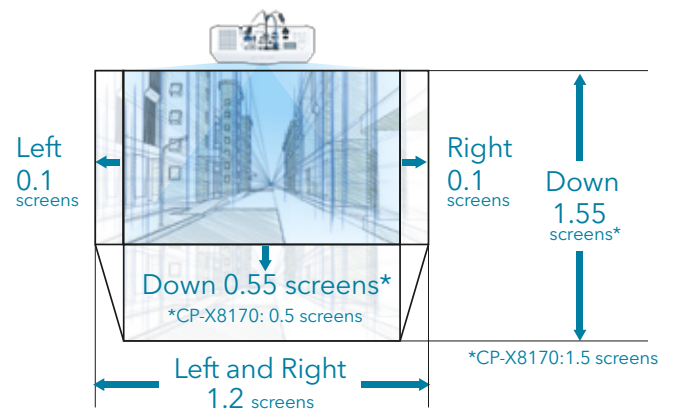
2.0 x Zoom
3.1m(122") - 6.2m(244")

100" Screen

| 0m (0") | 1m (39") | 2m (79") | 3m (118") | 4m (157") | 5m (197") | 6m (236") |

* CP-SX8350, CP-X8150, CP-WX8240: 1.5x
* The projection distance above is for the CP-X8170.

360° Projection

Projectors can be installed facing any 360 degree direction providing many projection possibilities. For example, you can install a projector to project onto a floor or ceiling. You can utilise the projectors in many different ways.

360°

* Not available with the CP-SX8350, CP-X8150, CP-WX8240 and CP-WU8440.
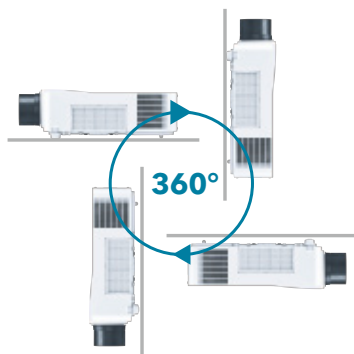
Lens Centre Design

By aligning the centre of the projector and the lens, the installation position of the projector becomes easier during the design and construction of a facility.

Superior Lens Shift

Superior lens shift lets you choose the most convenient installation location, even for large spaces.
* The figure below is for the CP-WU8460.

Left 0.1 screens

Right 0.1 screens

Down 1.55 screens*

Down 0.55 screens*
*CP-X8170: 0.5 screens

*CP-X8170:1.5 screens

Left and Right 1.2 screens

P by P / P in P Functions

Images from two input signals can be projected on one screen at the same time. Picture by Picture (P by P) enables you to compare two images side by side. Picture in Picture (P in P) enables you to display one image within another image. These functions are handy when you need to compare two sets of data or other material.

* Not available with the CP-SX8350, CP-X8150, and CP-X8160.

PbyP **PbyP** button

P by P mode

main area   sub area

P in P mode

main area   sub area
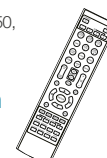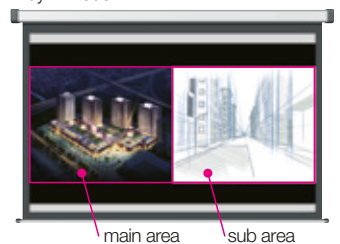
CP-X8170

XGA 7000lm

CP-WX8265

WXGA 6500lm

CP-WU8460

WUXGA 6,000lm

CP-X8160

XGA 6,000lm

CP-WX8255

WXGA 5,500lm

CP-WU8450

WUXGA 5,000lm

CP-SX8350

SXGA+ 5,000lm

CP-X8150

XGA 5,000lm

CP-WX8240

WXGA 4,000lm

CP-WU8440

WUXGA 4,200lm

The iF Design Award is a prestigious worldwide design award that began in 1953 in Germany, the origin of modern design. The 8000 series was awarded the iF Gold Award.

High Brightness and Image Quality that Excellently Express Images

ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing (1) Sharpness, (2) Gloss and (3) Shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colours of projected images are true to life.

* Only for the CP-WU8460, CP-WX8265, and CP-X8170.

1 > 2 > 3

ON   OFF
Sharpness

ON   OFF
Gloss

ON   OFF
Shade

DICOM® Simulation Mode

The DICOM (Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximate DICOM Part 14 specifications. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

The projectors have a DICOM (Digital Imaging and Communications in Medicine) Simulation Mode. This mode simulates the DICOM standard, which is a standard applicable to digital communications in medicine, and is useful for displaying medical images such as X-rays. These projectors are not medical devices and are not compliant with the DICOM standard, and neither the projector nor the DICOM Simulation Mode should be used for medical diagnosis.
Comparison photos are simulations.

Standard Mode   DICOM Simulation Mode

High Efficiency Optical System

Projectors achieve a brightness of the highest class in the industry by adopting a short arc length lamp with a small F-number lens.

Digital connectivity

2 HDMI input

Equipped with 2 terminals for the current widely-used interface.

High Performance Filter

Projectors use a three-layer high performance filter that has two layers of unwoven cloth and an HAF (High Air Flow) filter. The filter can last up to 20,000 hours* without cleaning, reducing maintenance time.
* Varies according to usage environment.

Status Monitor

The status monitor is a small LCD panel located on the rear of the CP-X8170, CP-WX8265, CP-WU8460, CP-X8160, CP-WX8255 and CP-WU8450. It displays the present condition of the projector, including errors, setup information and error history. The display can be viewed in both desktop and installation configuration.

Real time monitoring
• Lamp time • Filter time
• Projector usage time • IP Address

Error and alarm message
• Cover error • Lamp error • Temperature error
• Filter cleaning time and more…

An error message turns on.

Inorganic LCD panels

These Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.
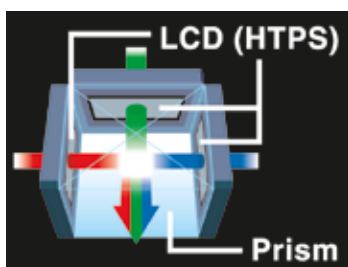
Easy Maintenance

The lamp door and the filter cover are located on both sides, facilitating maintenance and replacement when the projector is installed on the ceiling. Serial number and MAC address are also labeled on the side chassis for easy reading.

Various Network Features

Convenient Networking

Manage and control multiple projectors over your LAN with Centralised Reporting, Scheduling, E-mail Alerts, and My Image (Image Transfer).

LAN

Administration Room

Wireless Capability (Option)

Connect a projector to a computer using the optional USB wireless adapter. The adapter supports IEEE802.11b/g/n. Use the adapter cover to prevent the USB wireless adapter from coming off easily.

Optional USB wireless adapter

Without an access point   With an access point

Smart Device Control

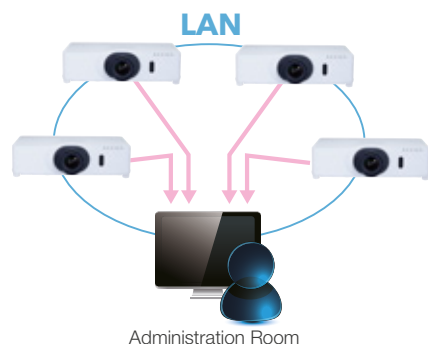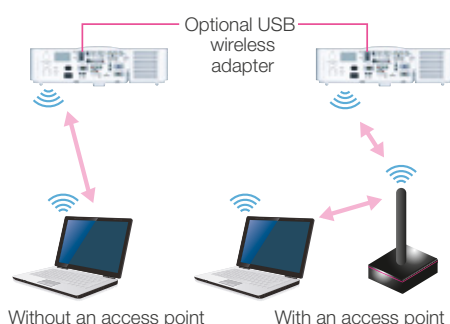Plugging the USB wireless adapter into the projector and using the dedicated free online application developed by Hitachi, projectors can be controlled from a tablet or smartphone.*

* See the Hitachi website for details
http://www.hitachi.co.jp/proj/en/apps/pj_connection.html

Hardware and software requirements for network capability
OS: One of the following. Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise **CPU:** Pentium®4 (2.8GHz or higher) **Graphic card:** 16bit, XGA or higher (When using the "Live Viewer" it is recommended that the display resolution of your computer be set to 1024x768.) **Memory:** 512 MB or higher **Hard disk space:** 100MB or higher **Web browser:** Internet Explorer®6.0 or higher **CD-ROM drive**
*If many computers are connected to the network or the connected computer is under excessive load, higher specifications may be required.

Variety of Interchangeable Lens Options

Seven lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls and other large spaces.

		Projection distance (Projector's front panel to screen)	Throw ratio	Projection distances for optional lenses when projecting onto a 100"screen
FL-701 Fixed short throw lens Zoom: Fixed	CP-SX8350	1.7m (66")	1.0	
	CP-X8170,CP-X8160	1.7m (67")	1.0	
	CP-WU8460,CP-WU8450,CP-WU8440	1.7m (69")	1.0	
	CP-WX8265,CP-WX8255	1.8m (71″)	1.0	
	CP-X8150	2.1m (83")	1.0	
	CP-WX8240	2.2m (8.8")	1.0	
SL-702 Short throw lens Zoom: x1.5	CP-SX8350	2.4 - 3.7m (96 - 144")	1.2 - 1.8	
	CP-X8170,CP-X8160	2.5 - 3.7m (97 - 145")	1.2 - 1.8	
	CP-WU8460,CP-WU8450,CP-WU8440	2.5 - 3.8m (100 - 151")	1.2 - 1.8	
	CP-WX8265,CP-WX8255	2.6 - 3.9m (102 - 154")	1.2 - 1.8	
	CP-X8150	3.1 - 4.6m (120 - 181")	1.5 - 2.2	
	CP-WX8240	3.2 - 4.9m (127 - 192")	1.5 - 2.2	
ML-703 Middle throw lens Zoom: x2.0	CP-SX8350	3.1 - 6.1m (121 - 241")	1.5 - 3.0	
	CP-X8170,CP-X8160	3.1 - 6.2m (122 - 242")	1.5 - 3.0	
	CP-WU8460,CP-WU8450,CP-WU8440	3.2 - 6.4m (127 - 252")	1.5 - 2.9	
	CP-WX8265,CP-WX8255	3.3 - 6.5m (129 - 257")	1.5 - 3.0	
	CP-X8150	3.9 - 7.7m (153 - 303")	1.9 - 3.8	
	CP-WX8240	4.1 - 8.1m (162 - 321")	1.9 - 3.8	
LL-704 Long throw lens Zoom: x1.7	CP-SX8350	5.8 - 9.9m (229″-389")	2.8 - 4.9	
	CP-X8170,CP-X8160	5.9 - 10.0m (231″-392")	2.8 - 4.9	
	CP-WU8460,CP-WU8450,CP-WU8440	6.1 - 10.3m (240″-407")	2.8 - 4.9	
	CP-WX8265,CP-WX8255	6.2 - 10.5m (244″-415")	2.8 - 4.9	
	CP-X8150	7.3 - 12.4m (288″-490")	3.6 - 6.1	
	CP-WX8240	7.8 - 13.2m (305″-520")	3.6 - 6.1	
UL-705 Ultra long throw lens Zoom: x1.7	CP-SX8350	9.9 - 16.8m (390 - 662")	4.9 - 8.3	
	CP-X8170,CP-X8160	10.0 - 16.9m (393 - 667")	4.9 - 8.3	
	CP-WU8460,CP-WU8450,CP-WU8440	10.3 - 17.6m (407 - 691")	4.9 - 8.3	
	CP-WX8265,CP-WX8255	10.5 - 17.9m (415 - 705")	4.9 - 8.3	
	CP-X8150	12.4 - 21.1m (487 - 830")	6.0 - 10.3	
	CP-WX8240	13.1 - 22.3m (516 - 879")	6.0 - 10.3	

* ML-703 comes standard on the CP-X8170, CP-X8160, CP-WU8460, CP-WU8450, CP-WU8440, CP-WX8265, and CP-WX8255.
SL-702 comes standard on the CP-SX8350, CP-X8150, and CP-WX8240.

5000 Series
4000 Series

Projectors perfect for classrooms, or small and midsize conference rooms.

Advanced Installability and System Features for Various Uses
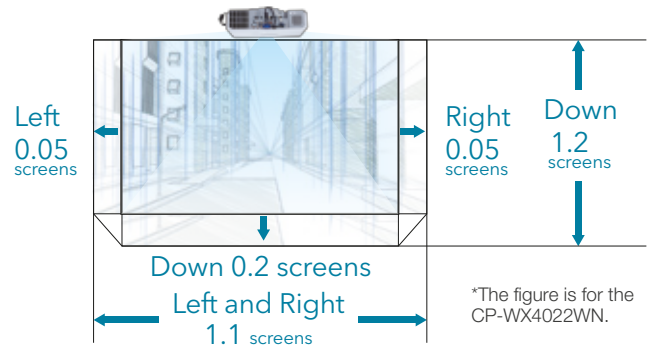
1.7x Zoom Lens

Featuring a powerful 1.7x manual zoom lens, the projectors allow for a greater range of installation possibilities. This is particularly convenient in rooms that lack installation flexibility due to ceiling obstructions such as water sprinklers, vents and lighting fixtures. * The projection distance below is for the CP-X5022WN.

100" Screen

1.7 x Zoom
3m(118") – 5m(197")

0m (0")	1m (39")	2m (79")	3m (118")	4m (157")	5m (197")
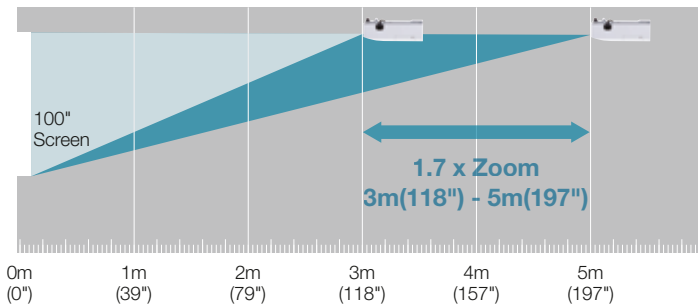
Manual Optical Lens Shift

Manually shift the lens horizontally and vertically, to position the image on the screen without causing any distortion. After ceiling mounting, fine adjustments can be done with a screwdriver and/or hexagonal wrench.
*A hexagonal wrench is included in the product package.

Left 0.05 screens

Right 0.05 screens

Down 1.2 screens

Down 0.2 screens
Left and Right 1.1 screens

*The figure is for the CP-WX4022WN.

Instant Stack

Instant Stack lets you place one projector on top of another to project the same image from both onto a screen for added brightness. Overlaying the image is made easier with built-in tools including RS-232C control, Perfect Fit, Lens Shift and stacking alignment peg holes.

* When stacking projectors, there are various precautions and function limitations you should be aware of. Please ask your dealer for details.

Dual mode
Turns on the projectors at the same time.

Alternate mode
Turns on the projectors alternately.

Secondary
Primary
RS-232C cross-over cable

Fail Safe function

Secondary
Primary
RS-232C cross-over cable

When Alternate mode is selected and an error occurs on one projector causing the lamp to turn off, the other projector will automatically start to operate.
* If the RS-232C cable is disconnected or AC power is not supplied, the other projector will not turn on.

Perfect Fit

Perfect Fit allows you to make image adjustments by independently moving the individual corners and sides. Ideal for complex installations where sizing screen to image display is more difficult.
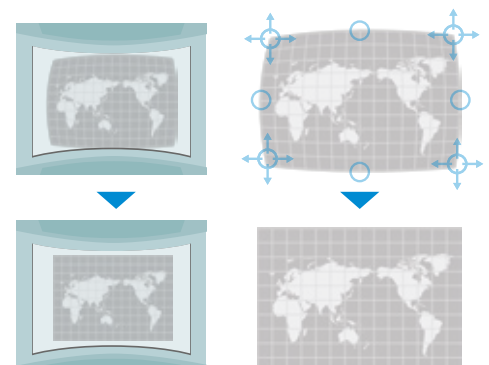
CP-X5022WN
XGA 5000lm

CP-X4022WN
XGA 4000lm

CP-WX4022WN
WXGA 4000lm

Various Network Features

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LAN

Administration Room

Wireless Capability (Option)

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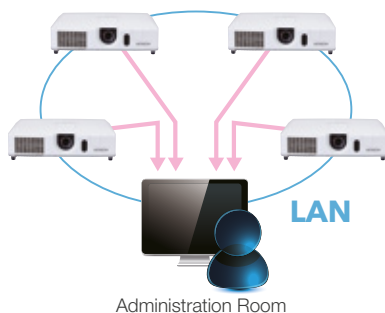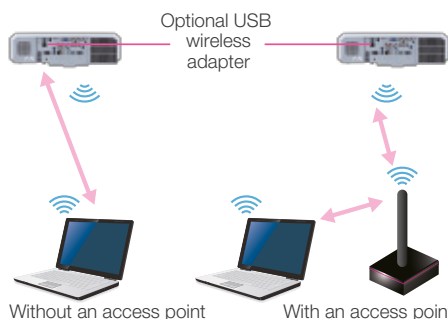

Optional USB wireless adapter

Without an access point   With an access point

Smart Device Control

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* See the Hitachi website for details
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Hardware and software requirements for network capability OS: One of the following. Windows® XP Home Edition/Professional Edition (32bit version only), Windows Vista® Home Basic/Home Premium/Business/Ultimate/Enterprise, Windows® 7 Starter/Home Basic/Home Premium/Professional/Ultimate/Enterprise **CPU:** Pentium®4 (2.8GHz or higher) **Graphic card:** 16bit, XGA or higher (When using the "Live Viewer" it is recommended that the display resolution of your computer be set to 1024x768.) **Memory:** 512 MB or higher **Hard disk space:** 100MB or higher **Web browser:** Internet Explorer®6.0 or higher **CD-ROM drive.**
*If many computers are connected to the network or the connected computer is under excessive load, higher specifications may be required.

ECO

ImageCare

Saver Mode

This feature, developed by Hitachi, reduces the projector lamp brightness and consumption power, resulting in considerable energy savings. Set the Saver mode time from 1 to 30 minutes, and if the projected image does not change in that time, Saver mode activates. Saver mode can also be activated manually.

Intelligent Eco Mode

This feature, developed by Hitachi, automatically changes the brightness of the lamp according to the level of the input signal. Lamp brightness is reduced when a darker image is projected and returns to normal when a brighter image is projected, eliminating unnecessary energy consumption from the lamp.

Normal mode   Saver mode

Ensuring High Reliability and Stability

High Performance Filter

The high performance filter is made of two layers on unwoven cloth and lasts up to approximately 5,000 hours* without cleaning, reducing maintenance time.
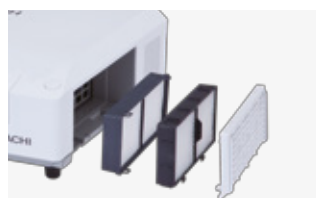
*Varies according to usage environment

Inorganic LCD panels

These Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.

Features

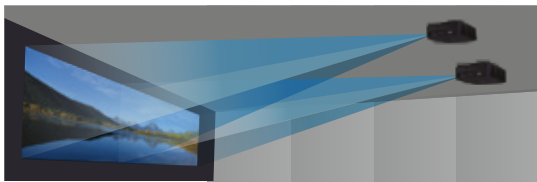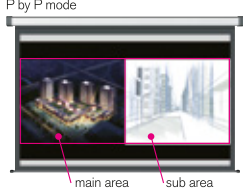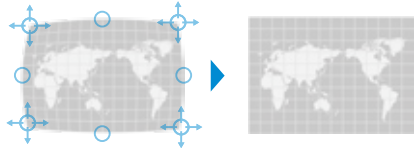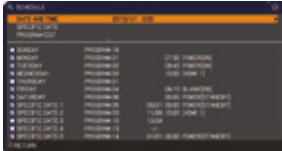|		
Digital Connectivity	2 HDMI input	Equipped with 2 terminals for the current widely-used interface.
	HD Base T	Signals can be transmitted with no image degradation using standard LAN cables (Cat5e/6) up to 100m.
	DVI	Connection via a digital DVI terminal greatly reduces image deterioration, ensuring highest possible picture quality digital sources.
High Brightness and Image Quality	High Efficiency Optical System	Projectors achieve a brightness of the highest class in the industry by adopting a short arc length lamp with a small F-number lens.
	ACCENTUALIZER	Hitachi's original image enhancement technology that emphasises sharpness, gloss, and shade to achieve more vivid images.
	HDCR	HDCR (High Dynamic Contrast Range) is an original Hitachi original technology that produces clear images in bright environments.
	Dual Colour Wheel	Separate colour wheels with emphasis on brightness and colour that can achieve images to suit the purpose.
	DICOM® Simulation Mode	Picture mode that achieves a gradation close to the DICOM standard.
Installability and System Features	Edge Blending	Corrects the shape of images and overlaps them seamlessly to use multiple projectors to project a single image.
	Geometric Correction (warping)	Corrects the shape of images to make projections on various types of screens possible.
	Motorised Lens Shift	Lens shift is motorised and can be adjusted by keypad as well as remote control.
	Manual Lens Shift	Lens shift can be easily adjusted manually.
	Interchangeable Lens Options	Significantly increase projection distance with optional interchangeable lenses.
	Lens Centre	By aligning the centre of the projector and the lens, the installation position of projector is simplified during the design and construction of a facility.
	Picture by Picture	Simultaneously project images from 2 inputs side-by-side. *1 Digital images (via HDMI 2 and another digital input) can be placed side-by-side.
	Picture in Picture	Display an image from a different source within a larger image.
	360 Degree Projection	Projectors can be installed facing upwards, downwards, or any other angle.

	3 LCD			1Chip DLP®			3 LCD										5000 series / 4000 series		
	10000 series			9000 series			8000 series												
	CP-X10000	CP-WX11000	CP-SX12000	CP-X9110	CP-WX9210	CP-WU9410	CP-X8170	CP-WX8265	CP-WU8460	CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
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Features

Installability and System Features	Mechanical Shutter	The shutter blocks the projector light, letting you quickly display and hide images while the projector is on.
	Instant Stack	Use 2 projectors to superimpose their images.
	Perfect Fit	Use the remote controller to adjust the 4 corners and 4 sides of a projected image and quickly fix image distortion.
Network	Schedule Setting	Set schedules for projectors to turn them ON or OFF at a set time, or activate other functions. * Available from the OSD menu on 9000 series models only. Set from a computer via a LAN connection.
	Projector Control	Control and manage projectors using a network.
	Network Presentation	Connect the projectors to a network with a LAN cable and project images from a PC or Mac via the network.
	Wireless Capability (Option)	Projectors and computers can be connected via Wi-Fi. Wirelessly project images, and manage and control projectors.
	Smart Device Control	Download and install the Hitachi free online app – **Projector Quick Connection** – and wirelessly project images from devices running iOS or Android.
ECO	Saver Mode	Reduces power consumption by reducing the lamp brightness if the image signal level does not change after a set time (1 to 30 minutes).
	Intelligent Eco Mode	Automatically adjusts the output of the lamp to match the image signal. Lamp brightness is reduced for brighter images which reduces the power used by the lamp and leads to reduced power consumption of projectors.
High Reliability and Stability	High Performance Filter	Hitachi's multi-layer high performance filters reduce maintenance intervals.
	Inorganic LCD	These Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.
	Status Monitor	A sub-LCD located on the rear panel. It displays the present condition of the projector, including errors, setup information and error history. The display can be viewed in both desktop and installation configuration.
	Dual Lamp System	By alternating the use of each lamp, the replacement period can be extended two-fold. A fail-safe mode is also available that makes recovery from a failed lamp fast. This mode immediately switches to the second lamp if the first stops functioning.

	3 LCD			1Chip DLP®			3 LCD										3 LCD	
	10000 series			9000 series			8000 series										5000 series / 4000 series	
	CP-X10000	CP-WX11000	CP-SX12000	CP-X9110	CP-WX9210	CP-WU9410	CP-X8170	CP-WX8265	CP-WU8460	CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
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Spec

	10000 series			9000 series					
Model Name	CP-X10000	CP-WX11000	CP-SX12000	CP-X9110	CP-WX9210	CP-WU9410	CP-X8170	CP-WX8265	CP-WU8460
Display System	3 LCD			1Chip DLP®					
Display Device	1.3" LCD x 3	1.22" LCD x 3	1.3" LCD x 3	0.7" DLP® x 1	0.65" DLP® x 1	0.67" DLP® x 1	0.79" LCD x 3	0.75" LCD x 3	0.76" LCD x 3
Number of Pixels	786432 pixels	1092800 pixels	1470000 pixels	786432 pixels	1024000 pixels	2304000 pixels	786432 pixels	1024000 pixels	2304000 pixels
	1024x768	1366x800	1400x1050	1024x768	1280x800	1920x1200	1024x768	1280x800	1920x1200
Standard Lens	Optional			Optional			2.0x zoom lens (ML-703)		
Zoom	Motorised			Motorised			Motorised		
Focus	Motorised			Motorised			Motorised		
Lens Shift	Motorised (V, H)			Motorised (V, H)			Motorised (V, H)		
Light Source	350W			370Wx2			365W		
Screen Size	40-700 inch			50-600 inch					
Light Output (Brightness)	7500lm	6500lm	7000lm	10000lm	8500lm	8500lm	7000lm	6500lm	6000lm
Speaker	-	-	-	-	-	-	-	-	-
Terminals									
COMPUTER IN	D-sub 15 pin mini jack x2/ 5BNC connector x1			D-sub 15 pin mini jack x1/ 5BNC connector x1					
MONITOR OUT	D-sub 15 pin mini connector x1			D-sub 15 pin mini connector x1					
VIDEO	RCA jack x1/BNC connector x1			BNC connector x1					
S-VIDEO	MINI DIN 4pin jack x1			-					
COMPONENT VIDEO (Y, Cb/Pb, Cr/Pr)	3 RCA jack x1			-					
HDMI IN	HDMI connector x1			HDMI connector x2					
DVI-D IN	DVI-D connector x1			DVI-D connector x1					
HD Base T	-			RJ-45 x1					
AUDIO IN	-			-					
AUDIO OUT	-			-					
RS-232C IN	D-sub 9 pin x1			D-sub 9 pin x1					
RS-232C OUT	D-sub 9 pin x1			-					
LAN	RJ-45 x1			RJ-45 x1					
USB-A	-			USB type A connector x1					
USB-B	-			-					
REMOTE IN	3.5mm (stereo) mini jack x1			3.5mm (stereo) mini jack x1					
REMOTE OUT	3.5mm (stereo) mini jack x1			3.5mm (stereo) mini jack x1					
Operating Temperature	5-35°C			0-50°C at altitude of 0-1600m [*1] 0-40°C at altitude of 1600-3048m			0-45°C		
Operating Humidity	10-85%RH (non-condensing)			10-80%RH (non-condensing)			10-85%RH (non-condensing)		
Power Requirements	AC100V-240V (50Hz/60Hz)			AC100V-240V (50Hz/60Hz)					
Power Consumption	AC100-120V:540W AC220-240V:520W			AC100-120V:1060W AC220-240V: 990W			AC100-120V:500W AC220-240V:480W		
Standard Outside Dimensions (W x H x D)	476mm x 272mm x 469mm (18.74" x 10.71" x 18.46") (Excluding lens and protruding parts) 			537mm x 170mm x 438mm (21.1" x 6.69" x 17.2") (Excluding lens and protruding parts) 					
Weight	13.1kg (28.9lbs.) (Excluding lens)			16.6kg (35.3lbs.) (Excluding lens)			8.8kg (19.4lbs.)		
Accessories	Remote control with batteries, Power cord, Computer cable, Lens adapter, Hexagon wrench			Remote control with batteries, Power cord, Computer cable, Adapter cover, Application CD			Remote control with batteries, Power cord, Computer cable, Adapter cover, Lens cover, Application CD		
Filter Cleaning Interval	10000h	10000h	10000h	15000h	15000h	15000h	20000h	20000h	20000h

*1 The brightness of the lamp is reduced automatically.

8000 series							5000 series, 4000 series		
CP-X8160	CP-WX8255	CP-WU8450	CP-SX8350	CP-X8150	CP-WX8240	CP-WU8440	CP-X5022WN	CP-X4022WN	CP-WX4022WN
3 LCD							3 LCD		
0.79" LCD x 3	0.75" LCD x 3	0.76" LCD x 3	0.79" LCD x 3	0.63" LCD x 3	0.59" LCD x 3	0.76" LCD x 3	0.63" LCD x 3	0.63" LCD x 3	0.59" LCD x 3
786432 pixels	1024000 pixels	2304000 pixels	1470000 pixels	786432 pixels	1024000 pixels	2304000 pixels	786432 pixels	786432 pixels	1024000 pixels
1024x768	1280x800	1920x1200	1400x1050	1024x768	1280x800	1920x1200	1024x768	1024x768	1280x800
2.0x zoom lens (ML-703)			1.5x zoom lens(SL-702)			2.0x zoom lens (ML-703)	1.7x zoom lens		
Motorised							Manual		
Motorised							Manual		
Motorised (V, H)							Manual (V, H)		
330W				245W			245W		
30-600 inch							30-300 inch		
6000lm	5500lm	5000lm	5000lm	5000lm	4000lm	4200lm	5000lm	4000lm	4000lm
8W x 2 (stereo)							8W x 2 (mono)		

8000 series connectors							5000/4000 series connectors		
D-sub 15 pin mini jack x1/ 5BNC5BNC connector x1							D-sub 15 pin mini jack x1/ 5BNC j5BNC connector x1		
D-sub 15 pin mini connector x1							D-sub 15 pin mini connector x1		
RCA jack x1							RCA jack x1		
MINI DIN 4pin jack x1							MINI DIN 4pin jack x1		
3 RCA jack x1							3 RCA jack x1		
HDMI connector x2							HDMI connector x1		
-							-		
-							-		
2 RCA jack x1/ 3.5mm (stereo) mini jack x2							2 RCA jack x1/ 3.5mm (stereo) mini jack x2		
2 RCA jack x1							2 RCA jack x1		
D-sub 9 pin x1							D-sub 9 pin x1		
-							-		
RJ-45 x1							RJ-45 x1		
USB type A connector x2							USB type A connector x2		
USB type B connector x1							USB type B connector x1		
3.5mm (stereo) mini jack x1							3.5mm (stereo) mini jack x1		
3.5mm (stereo) mini jack x1							-		
0-45°C				0-35°C	0-40°C		5-35°C at altitude of 0-1600m 5-30°C at altitude of 1600-3048m		
10-85%RH (non-condensing)				10-85%RH (non-condensing)	10-85%RH (non-condensing)		10-85%RH (non-condensing)		
AC100V-240V (50Hz/60Hz)							AC100V-240V (50Hz/60Hz)		
AC100-120V480W AC220-240V:455W				AC100-120V:375W AC220-240V:355W			AC100-120V:370W AC220-240V:350W		

498mm x 135mm x 396mm (19.6" x 5.3" x 15.6") (Excluding protruding parts)

401mm x 103mm x 318mm (15.8" x 4.0" x 12.5") (Excluding protruding parts)

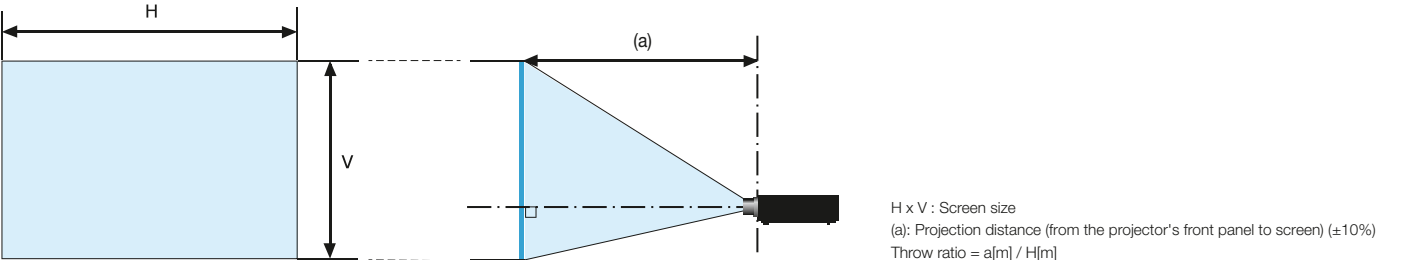| 8000 series							5000/4000 series		
8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.8kg (19.4lbs.)	8.7kg (19.2lbs.)	8.4kg (18.5lbs.)	8.4kg (18.5lbs.)	8.7kg (19.2lbs.)	4.6kg (10.1lbs.)		
Remote control with batteries, Power cord, Computer cable, Adapter cover, Lens cover, Application CD							Remote control with batteries, Power cord, Computer cable, Adapter cover, Lens cover, Application CD, Hexagon wrench		
20000h	20000h	20000h	15000h	15000h	15000h	15000h	4000h	4000h	4000h

Lens Spec

10000 series

CP-X10000 / CP-SX12000 — Aspect ratio 4:3 — Projection distance: (a)

Type	H(m)	H(in)	V(m)	V(in)	USL-801 min (m)	USL-801 max (m)	SL-802 min (m)	SL-802 max (m)	SL-803 min (m)	SL-803 max (m)	SD-804 min (m)	SD-804 max (m)	LL-805 min (m)	LL-805 max (m)	UL-806 min (m)	UL-806 max (m)	USL-801 min (in)	USL-801 max (in)	SL-802 min (in)	SL-802 max (in)	SL-803 min (in)	SL-803 max (in)	SD-804 min (in)	SD-804 max (in)	LL-805 min (in)	LL-805 max (in)	UL-806 min (in)	UL-806 max (in)
80	1.6	64	1.2	48	0.8	0.9	2.0	2.4	2.3	3.5	3.5	4.6	4.6	8.5	8.1	15.0	31	37	78	95	92	137	139	183	180	334	319	590
100	2.0	80	1.5	60	1.0	1.2	2.5	3.0	3.0	4.4	4.4	5.8	5.7	10.7	10.2	18.8	39	47	99	119	116	173	175	230	226	419	402	740
150	3.0	120	2.3	90	1.5	1.8	3.8	4.6	4.5	6.6	6.7	8.8	8.7	16.1	15.4	28.3	60	72	149	181	176	261	266	347	343	633	607	1114
200	4.1	160	3.0	120	2.1	2.5	5.1	6.1	6.0	8.9	9.0	11.8	11.7	21.5	20.6	37.8	81	97	200	242	237	349	356	464	460	846	812	1488
300	6.1	240	4.6	180	3.1	3.7	7.7	9.3	9.1	13.3	13.6	17.8	17.6	32.3	31.1	56.8	123	146	302	364	357	525	537	699	693	1272	1233	2236
400	8.1	320	6.1	240	4.2	5.0	10.3	12.4	12.1	17.8	18.2	23.7	23.5	43.1	41.5	75.8	165	196	404	487	477	701	718	934	926	1699	1633	2985
500	10.2	400	7.6	300	5.2	6.2	12.9	15.5	15.2	22.3	22.8	29.7	29.5	54.0	51.9	94.8	207	245	506	609	597	877	899	1168	1160	2125	2044	3733
Throw ratio					0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2	0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2

CP-WX11000 — Aspect ratio 17:10 — Projection distance: (a)

Type	H(m)	H(in)	V(m)	V(in)	USL-801 min (m)	USL-801 max (m)	SL-802 min (m)	SL-802 max (m)	SL-803 min (m)	SL-803 max (m)	SD-804 min (m)	SD-804 max (m)	LL-805 min (m)	LL-805 max (m)	UL-806 min (m)	UL-806 max (m)	USL-801 min (in)	USL-801 max (in)	SL-802 min (in)	SL-802 max (in)	SL-803 min (in)	SL-803 max (in)	SD-804 min (in)	SD-804 max (in)	LL-805 min (in)	LL-805 max (in)	UL-806 min (in)	UL-806 max (in)
80	1.8	69	1.0	41	0.9	1.0	2.1	2.6	2.5	3.8	3.8	5.0	4.9	9.2	8.8	16.2	34	40	84	103	100	148	150	198	194	361	345	636
100	2.2	86	1.3	51	1.1	1.3	2.7	3.3	3.2	4.7	4.8	6.3	6.2	11.5	11.0	20.3	43	51	106	129	126	186	189	248	244	453	433	798
150	3.3	129	1.9	76	1.7	2.0	4.1	5.0	4.8	7.1	7.3	9.5	9.4	17.3	16.6	30.5	65	78	161	195	190	281	287	375	370	683	655	1201
200	4.4	172	2.6	101	2.2	2.7	5.5	6.6	6.5	9.6	9.8	12.7	12.6	23.2	22.2	40.8	88	104	216	262	255	376	384	502	496	913	876	1605
300	6.6	259	3.9	152	3.4	4.0	8.3	10.0	9.8	14.4	14.7	19.2	19.0	34.9	33.5	61.2	133	158	326	394	385	566	580	755	748	1373	1318	2411
400	8.8	345	5.2	203	4.5	5.4	11.1	13.4	13.1	19.2	19.7	25.6	25.4	46.5	44.7	81.7	178	211	436	526	514	756	775	1009	999	1832	1761	3218
500	10.9	431	6.4	254	5.7	6.7	13.9	16.7	16.4	24.0	24.6	32.1	31.8	58.2	56.0	102.2	223	264	546	659	644	946	970	1262	1251	2292	2203	4025
Throw ratio					0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2	0.5	0.6	1.2	1.5	1.5	2.2	2.2	2.9	2.8	5.2	5.0	9.2

9000 series

CP-X9110 — Aspect ratio 4:3 — Projection distance: (a)

Type	H(m)	H(in)	V(m)	V(in)	USL-901 min (m)	USL-901 max (m)	SL-902 min (m)	SL-902 max (m)	SD-903W/SD-903X min (m)	SD-903W/SD-903X max (m)	ML-904 min (m)	ML-904 max (m)	LL-905 min (m)	LL-905 max (m)	UL-906 min (m)	UL-906 max (m)	USL-901 min (in)	USL-901 max (in)	SL-902 min (in)	SL-902 max (in)	SD-903W/SD-903X min (in)	SD-903W/SD-903X max (in)	ML-904 min (in)	ML-904 max (in)	LL-905 min (in)	LL-905 max (in)	UL-906 min (in)	UL-906 max (in)
80	1.6	64	1.2	48	1.3	1.7	2.0	3.0	2.8	4.2	4.1	6.2	5.9	9.5	9.4	14.9	53	66	78	116	109	164	160	245	232	376	371	588
100	2.0	80	1.5	60	1.7	2.1	2.5	3.7	3.5	5.2	5.1	7.8	7.4	12.0	11.7	18.6	66	82	98	146	136	205	200	306	291	471	462	732
150	3.0	120	2.3	90	2.5	3.1	3.7	5.5	5.2	7.8	7.6	11.7	11.1	18.0	17.5	27.8	98	122	147	218	205	307	301	459	439	708	688	1093
200	4.1	160	3.0	120	3.3	4.1	5.0	7.4	6.9	10.4	10.2	15.5	14.9	24.0	23.2	36.9	131	163	196	291	273	410	401	612	586	945	914	1454
300	6.1	240	4.6	180	5.0	6.2	7.5	11.1	10.4	15.6	15.3	23.3	22.4	36.1	34.7	55.2	195	243	293	436	410	615	603	918	881	1419	1366	2175
400	8.1	320	6.1	240	6.6	8.2	9.9	14.8	13.9	20.8	20.4	31.1	29.9	48.1	46.2	73.6	260	324	391	582	547	820	804	1225	1176	1894	1818	2896
500	10.2	400	7.6	300	8.2	10.3	12.4	18.5	17.4	26.0	25.5	38.9	37.4	60.1	57.7	91.9	325	405	489	727	684	1025	1006	1531	1471	2368	2270	3618
Throw ratio					0.8	1.0	1.2	1.8	1.7	2.5	2.5	3.8	3.6	5.8	5.7	9.1	0.8	1.0	1.2	1.8	1.7	2.5	2.5	3.8	3.6	5.8	5.7	9.1

CP-WX9210 — Aspect ratio 16:10 — Projection distance: (a)

Type	H(m)	H(in)	V(m)	V(in)	USL-901 min (m)	USL-901 max (m)	SL-902 min (m)	SL-902 max (m)	SD-903W/SD-903X min (m)	SD-903W/SD-903X max (m)	ML-904 min (m)	ML-904 max (m)	LL-905 min (m)	LL-905 max (m)	UL-906 min (m)	UL-906 max (m)	USL-901 min (in)	USL-901 max (in)	SL-902 min (in)	SL-902 max (in)	SD-903W/SD-903X min (in)	SD-903W/SD-903X max (in)	ML-904 min (in)	ML-904 max (in)	LL-905 min (in)	LL-905 max (in)	UL-906 min (in)	UL-906 max (in)
80	1.7	68	1.1	42	1.4	1.8	2.1	3.2	3.0	4.5	4.4	6.7	6.4	10.3	10.1	16.0	57	70	84	125	117	176	172	263	250	404	399	631
100	2.2	85	1.3	53	1.8	2.2	2.7	4.0	3.7	5.6	5.5	8.3	8.0	12.9	12.6	20.0	71	88	105	156	147	220	216	329	314	506	496	786
150	3.2	127	2.0	79	2.7	3.3	4.0	6.0	5.6	8.4	8.2	12.5	12.0	19.3	18.8	29.8	105	131	158	234	220	330	324	493	472	761	739	1173
200	4.3	170	2.7	106	3.6	4.4	5.3	7.9	7.5	11.2	11.0	16.7	16.0	25.8	24.9	39.6	140	174	210	313	294	440	432	658	631	1016	982	1561
300	6.5	254	4.0	159	5.3	6.6	8.0	11.9	11.2	16.8	16.5	25.1	24.1	38.7	37.3	59.3	210	261	315	469	441	660	648	986	948	1525	1468	2336
400	8.6	339	5.4	212	7.1	8.8	10.7	15.9	15.0	22.4	22.0	33.4	32.1	51.7	49.6	79.0	279	347	421	625	589	881	864	1315	1265	2035	1954	3111
500	10.8	424	6.7	265	8.9	11.0	13.4	19.8	18.7	28.0	27.4	41.8	40.2	64.6	62.0	98.7	349	434	526	781	736	1101	1080	1644	1582	2545	2440	3886
Throw ratio					0.8	1.0	1.2	1.8	1.7	2.6	2.5	3.8	3.7	5.9	5.8	9.2	0.8	1.0	1.2	1.8	1.7	2.6	2.5	3.8	3.7	5.9	5.8	9.2

CP-WU9410 — Aspect ratio 16:10 — Projection distance: (a)

Type	H(m)	H(in)	V(m)	V(in)	USL-901 min (m)	USL-901 max (m)	SL-902 min (m)	SL-902 max (m)	SD-903W/SD-903X min (m)	SD-903W/SD-903X max (m)	ML-904 min (m)	ML-904 max (m)	LL-905 min (m)	LL-905 max (m)	UL-906 min (m)	UL-906 max (m)	USL-901 min (in)	USL-901 max (in)	SL-902 min (in)	SL-902 max (in)	SD-903W/SD-903X min (in)	SD-903W/SD-903X max (in)	ML-904 min (in)	ML-904 max (in)	LL-905 min (in)	LL-905 max (in)	UL-906 min (in)	UL-906 max (in)
80	1.7	68	1.1	42	1.4	1.7	2.0	3.0	2.8	4.3	4.2	6.4	6.0	9.8	9.6	15.3	54	67	80	119	111	167	164	250	238	385	380	601
100	2.2	85	1.3	53	1.7	2.1	2.5	3.8	3.5	5.3	5.2	7.9	7.6	12.2	12.0	19.0	67	84	100	149	140	209	205	313	298	482	472	749
150	3.2	127	2.0	79	2.5	3.2	3.8	5.7	5.3	8.0	7.8	11.9	11.4	18.4	17.9	28.4	100	125	150	223	210	314	308	469	449	724	703	1118
200	4.3	170	2.7	106	3.4	4.2	5.1	7.6	7.1	10.6	10.4	15.9	15.2	24.6	23.7	37.8	133	166	200	298	280	419	411	626	600	967	935	1487
300	6.5	254	4.0	159	5.1	6.3	7.6	11.3	10.7	16.0	15.7	23.9	22.9	36.9	35.5	56.5	200	248	300	446	420	629	617	939	902	1452	1397	2225
400	8.6	339	5.4	212	6.8	8.4	10.2	15.1	14.2	21.3	20.9	31.8	30.6	49.2	47.2	75.2	266	331	400	595	560	838	823	1253	1203	1937	1860	2963
500	10.8	424	6.7	265	8.4	10.5	12.7	18.9	17.8	26.6	26.1	39.8	38.2	61.5	59.0	94.0	332	413	501	744	700	1048	1029	1566	1505	2422	2322	3701
Throw ratio					0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8	0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8

H x V : Screen size
(a): Projection distance (from the projector's front panel to screen) (±10%)
Throw ratio = a[m] / H[m]

8000 series

| Model	Type	H(m)	H(in)	V(m)	V(in)	m FL-701 fix	m SL-702 min	m SL-702 max	m ML-703 min	m ML-703 max	m LL-704 min	m LL-704 max	m UL-705 min	m UL-705 max	inch FL-701 fix	inch SL-702 min	inch SL-702 max	inch ML-703 min	inch ML-703 max	inch LL-704 min	inch LL-704 max	inch UL-705 min	inch UL-705 max
CP-X8170 CP-X8160 (Aspect ratio 4:3)	80	1.6	64	1.2	48	1.4	2.0	3.0	2.5	4.9	4.7	8.0	8.0	13.6	54	77	116	98	194	185	313	316	535
	100	2.0	80	1.5	60	1.7	2.5	3.7	3.1	6.2	5.9	10.0	10.0	16.9	67	97	145	122	242	231	392	393	667
	150	3.0	120	2.3	90	2.5	3.7	5.5	4.6	9.2	8.8	15.0	14.8	25.3	99	144	217	183	363	346	589	584	996
	200	4.1	160	3.0	120	3.4	4.9	7.4	6.2	12.3	11.7	20.0	19.7	33.6	132	192	289	244	484	461	787	775	1324
	300	6.1	240	4.6	180	5.0	7.3	11.0	9.3	18.4	17.6	30.0	29.4	50.3	197	288	434	366	725	692	1181	1157	1982
	400	8.1	320	6.1	240	6.7	9.7	14.7	12.4	24.6	23.4	40.0	39.1	67.1	262	383	578	487	967	922	1576	1539	2640
	500	10.2	400	7.6	300	8.3	12.2	18.3	15.5	30.7	29.3	50.0	48.8	83.8	327	478	722	609	1209	1153	1970	1921	3298
	Throw ratio					1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3	1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
CP-SX8350 (Aspect ratio 4:3)	80	1.6	64	1.2	48	1.4	2.0	2.9	2.5	4.9	4.7	7.9	8.0	13.5	53	77	115	97	193	183	311	314	531
	100	2.0	80	1.5	60	1.7	2.4	3.7	3.1	6.1	5.8	9.9	9.9	16.8	66	96	144	121	241	229	389	390	662
	150	3.0	120	2.3	90	2.5	3.6	5.5	4.6	9.2	8.7	14.9	14.7	25.1	99	143	216	182	361	344	585	579	988
	200	4.1	160	3.0	120	3.3	4.8	7.3	6.2	12.2	11.6	19.8	19.5	33.4	131	191	287	242	481	458	781	769	1314
	300	6.1	240	4.6	180	5.0	7.2	10.9	9.2	18.3	17.4	29.8	29.2	50.0	196	285	430	363	720	686	1172	1148	1967
	400	8.1	320	6.1	240	6.6	9.7	14.6	12.3	24.4	23.2	39.7	38.8	66.5	260	380	573	484	960	915	1563	1527	2619
	500	10.2	400	7.6	300	8.3	12.1	18.2	15.4	30.5	29.1	49.6	48.4	83.1	325	475	717	605	1200	1144	1955	1906	3272
	Throw ratio					1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3	1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
CP-WX8255 CP-WX8265 (Aspect ratio 16:10)	80	1.7	68	1.1	42	1.4	2.1	3.1	2.6	5.2	5.0	8.4	8.5	14.4	57	82	123	104	206	196	332	334	566
	100	2.2	85	1.3	53	1.8	2.6	3.9	3.3	6.5	6.2	10.5	10.5	17.9	71	102	154	129	257	244	415	415	705
	150	3.2	127	2.0	79	2.7	3.9	5.8	4.9	9.8	9.3	15.8	15.7	26.7	105	153	230	194	385	366	624	617	1053
	200	4.3	170	2.7	106	3.5	5.2	7.8	6.6	13.0	12.4	21.1	20.8	35.6	140	203	306	259	513	488	833	819	1401
	300	6.5	254	4.0	159	5.3	7.7	11.7	9.8	19.5	18.6	31.8	31.1	53.3	209	304	459	388	769	732	1250	1224	2097
	400	8.6	339	5.4	212	7.0	10.3	15.5	13.1	26.0	24.8	42.4	41.3	71.0	278	405	612	517	1025	976	1668	1628	2793
	500	10.8	424	6.7	265	8.8	12.9	19.4	16.4	32.5	31.0	53.0	51.6	88.6	346	506	764	646	1281	1220	2085	2032	3490
	Throw ratio					1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3	1.0	1.2	1.8	1.5	3.0	2.8	4.9	4.9	8.3
CP-WU8450 CP-WU8440 CP-WU8460 (Aspect ratio 16:10)	80	1.7	68	1.1	42	1.4	2.0	3.1	2.6	5.1	4.9	8.3	8.3	14.1	56	80	121	101	202	192	325	328	555
	100	2.2	85	1.3	53	1.7	2.5	3.8	3.2	6.4	6.1	10.3	10.3	17.6	69	100	151	127	252	240	407	407	691
	150	3.2	127	2.0	79	2.5	3.8	5.7	4.8	9.6	9.1	15.5	15.4	26.2	103	150	225	190	377	359	612	605	1033
	200	4.3	170	2.7	106	3.3	5.1	7.6	6.4	12.8	12.2	20.7	20.4	34.9	137	199	300	253	503	479	816	803	1374
	300	6.5	254	4.0	159	5.0	7.6	11.4	9.6	19.1	18.2	31.1	30.5	52.2	204	298	450	379	754	718	1226	1200	2056
	400	8.6	339	5.4	212	6.6	10.1	15.2	12.8	25.5	24.3	41.5	40.5	69.6	272	397	600	506	1005	957	1635	1596	2739
	500	10.8	424	6.7	265	8.3	12.6	19.0	16.1	31.9	30.4	51.9	50.6	86.9	340	496	749	632	1256	1196	2044	1993	3421
	Throw ratio					1.0	1.2	1.8	1.5	2.9	2.8	4.9	4.9	8.3	1.0	1.2	1.8	1.5	2.9	2.8	4.9	4.9	8.3
CP-X8150 (Aspect ratio 4:3)	80	1.6	64	1.2	48	1.7	2.4	3.7	3.1	6.2	5.9	9.9	10.0	16.9	67	96	145	122	242	231	392	392	666
	100	2.0	80	1.5	60	2.1	3.1	4.6	3.9	7.7	7.3	12.4	12.4	21.1	83	120	181	153	303	288	490	487	830
	150	3.0	120	2.3	90	3.1	4.6	6.9	5.8	11.5	11.0	18.7	18.4	31.5	124	180	271	229	454	432	736	726	1240
	200	4.1	160	3.0	120	4.2	6.1	9.2	7.8	15.4	14.6	25.0	24.5	41.9	164	239	361	305	605	576	982	964	1651
	300	6.1	240	4.6	180	6.2	9.1	13.7	11.6	23.0	21.9	37.5	36.6	62.8	246	359	541	458	907	863	1475	1441	2472
	400	8.1	320	6.1	240	8.3	12.1	18.3	15.5	30.7	29.2	50.0	48.7	83.6	327	478	721	610	1208	1151	1967	1918	3293
	500	10.2	400	7.6	300	10.4	15.2	22.9	19.4	38.4	36.5	62.5	60.8	104.5	408	597	901	762	1510	1438	2459	2395	4113
	Throw ratio					1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3	1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3
CP-WX8240 (Aspect ratio 16:10)	80	1.7	68	1.1	42	1.8	2.6	3.9	3.3	6.5	6.2	10.5	10.5	17.9	71	102	154	130	257	244	415	415	705
	100	2.2	85	1.3	53	2.2	3.2	4.9	4.1	8.1	7.8	13.2	13.1	22.3	88	127	192	162	321	305	520	516	879
	150	3.2	127	2.0	79	3.3	4.8	7.3	6.2	12.2	11.6	19.8	19.5	33.4	131	191	287	243	481	458	780	769	1314
	200	4.3	170	2.7	106	4.4	6.4	9.7	8.2	16.3	15.5	26.5	25.9	44.4	174	254	383	324	641	610	1041	1021	1749
	300	6.5	254	4.0	159	6.6	9.7	14.6	12.3	24.4	23.2	39.7	38.8	66.5	260	380	573	485	961	915	1563	1527	2619
	400	8.6	339	5.4	212	8.8	12.9	19.4	16.4	32.5	31.0	53.0	51.6	88.6	346	506	764	647	1281	1220	2085	2032	3490
	500	10.8	424	6.7	265	11.0	16.1	24.3	20.5	40.7	38.7	66.2	64.5	110.7	433	633	955	808	1601	1525	2607	2538	4360
	Throw ratio					1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3	1.0	1.5	2.2	1.9	3.8	3.6	6.1	6.0	10.3

5000 series, 4000 series

Model	Type	H(m)	H(in)	V(m)	V(in)	m min	m max	inch min	inch max
CP-X5022WN CP-X4022WN (Aspect ratio 4:3)	80	1.6	64	1.2	48	2.4	4.0	94	157
	100	2.0	80	1.5	60	3.0	5.0	118	197
	150	3.0	120	2.3	90	4.5	7.5	179	297
	200	4.1	160	3.0	120	6.1	10.1	239	396
	300	6.1	240	4.6	180	9.1	15.1	360	596
	Throw ratio					1.5	2.5	1.5	2.5

Model	Type	H(m)	H(in)	V(m)	V(in)	m min	m max	inch min	inch max
CP-WX4022WN (Aspect ratio 16:10)	80	1.7	68	1.1	42	2.6	4.3	103	171
	100	2.2	85	1.3	53	3.3	5.5	129	215
	150	3.2	127	2.0	79	5.0	8.2	195	323
	200	4.3	170	2.7	106	6.6	11.0	261	432
	300	6.5	254	4.0	159	10.0	16.5	393	650
	Throw ratio					1.5	2.5	1.5	2.5

Lens Shift

Vertical or horizontal distance from the centre of the projected image to the point where the lens axis intersects the screen.
Illustrations below show the range of LENS SHIFT when projector is installed upside down, such as a ceiling mount.
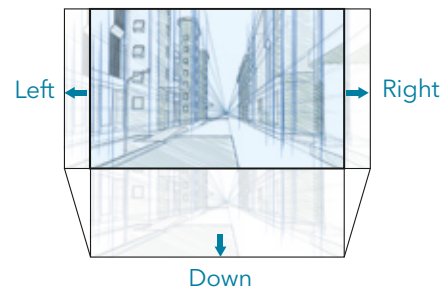
10000 series	9000, 8000, 5000, 4000 series
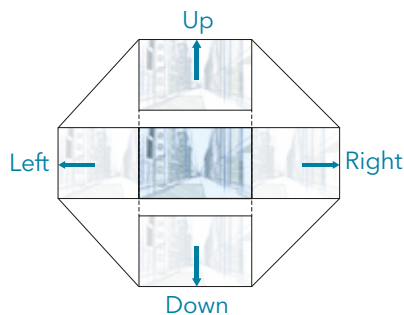
10000 series

		USL-801	SL-802	SL-803	SD-804	LL-805	UL-806
CP-X10000 CP-SX12000	Up	0%(Fixed)	0-85%	0-85%	0-85%	0-85%	0-85%
	Left/Right	0%(Fixed)	0-±60%	0-±60%	0-±60%	0-±60%	0-±60%
	Down	0%(Fixed)	0-85%	0-85%	0-85%	0-85%	0-85%
CP-WX11000	Up	0%(Fixed)	0-125%	0-125%	0-125%	0-125%	0-125%
	Left/Right	0%(Fixed)	0-±60%	0-±60%	0-±60%	0-±60%	0-±60%
	Down	0%(Fixed)	0-125%	0-125%	0-125%	0-125%	0-125%

9000 series

		USL-901	SL-902	SD-903W SD-903X	ML-904	LL-905	UL-906
CP-X9110	Left/Right	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%
	Down	0-50%	0-55%	0-55%	0-55%	0-55%	0-55%
CP-WX9210	Left/Right	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%
	Down	0-55%	0-65%	0-65%	0-65%	0-65%	0-65%
CP-WU9410	Left/Right	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%
	Down	0-50%	0-60%	0-60%	0-60%	0-60%	0-60%

8000 series

|		FL-701	SL-702	ML-703	LL-704	UL-705
CP-X8170 CP-X8160	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
	Down	0%(Fixed)	0-40%	0-50%	0-40%	0-40%
CP-SX8350	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
	Down	0%(Fixed)	0-40%	0-50%	0-40%	0-40%
CP-WX8255 CP-WX8265	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
	Down	0%(Fixed)	0-50%	0-55%	0-50%	0-50%
CP-WU8450 CP-WU8440 CP-WU8460	Left/Right	0%(Fixed)	0-±10%	0-±10%	0-±10%	0-±10%
	Down	0%(Fixed)	0-50%	0-55%	0-50%	0-50%
CP-X8150	Left/Right	0%(Fixed)	0-±50%	0-±50%	0-±50%	0-±50%
	Down	0%(Fixed)	0-60%	0-60%	0-60%	0-60%
CP-WX8240	Left/Right	0%(Fixed)	0-±50%	0-±50%	0-±50%	0-±50%
	Down	0%(Fixed)	0-75%	0-75%	0-75%	0-75%

5000 series, 4000 series

CP-X5022WN CP-X4022WN	Left/Right	0-±5%
	Down	30-50%
CP-WX4022WN	Left/Right	0-±5%
	Down	36-60%

Option

	3 LCD	1Chip DLP®	3 LCD			5000 series, 4000 series
	10000 series	9000 series	8000 series			5000 series, 4000 series
Model Name	CP-X10000 CP-WX11000 CP-SX12000	CP-X9110 CP-WX9210 CP-WU9410	CP-X8170 CP-WX8265 CP-WU8460	CP-X8160 CP-WX8255 CP-WU8450	CP-SX8350	CP-X8150 CP-WU8440 CP-WX8440	CP-X5022WN CP-X4022WN CP-WX4022WN
Lamp	DT01001	DT01581	DT01471	DT01291		DT01281	DT01171 (including a filter unit)
Filter set	MU06351	UX39551	UX38242	UX38241	MUO6642	MUO6642	MU07791
Lens unit (9000/10000 series of projectors are supplied without a projection lens.)	USL-801 (Ultra short throw lens) SL-802 (Short throw lens) SL-803 (Short throw lens) SD-804 (Standard lens) LL-805 (Long throw lens) UL-806 (Ultra long throw lens)	USL-901 (Ultra short throw lens) SL-902 (Short throw lens) SD-903W (Standard lens for CP-WX9210/CP-WU9410) SD-903X (Standard lens for CP-X9110) ML-904 (Middle throw lens) LL-905 (Long throw lens) UL-906 (Ultra long throw lens)	FL-701 (Fixed short throw lens) SL-702 (Short throw lens) ML-703 (Middle throw lens) LL-704 (Long throw lens) UL-705 (Ultra long throw lens)				
Mounting accessory	HAS-10000 (Bracket for fixing mount)	HAS-9110 (Bracket for fixing mount)	HAS-8150 (Bracket for fixing mount)				HAS-3010 (Bracket for fixing mount)
	HAS-204L (Standard adapter for fixing mount)	HAS-204L (Standard adapter for fixing mount)	HAS-204L (Standard adapter for fixing mount)				HAS-204L (Standard adapter for fixing mount)
	HAS-304H (Long adapter for fixing mount)	HAS-304H (Long adapter for fixing mount)	HAS-304H (Long adapter for fixing mount)				HAS-304H (Long adapter for fixing mount)
USB wireless adapter	-	USB-WL-11N	USB-WL-11N				USB-WL-11N
Others	CC10000 (Cable cover) KU00041 (Lens adapter unit)	-	-				RC-R008 (Laser remote control)

Installation Example

Hitachi projectors are utilized in various ways.
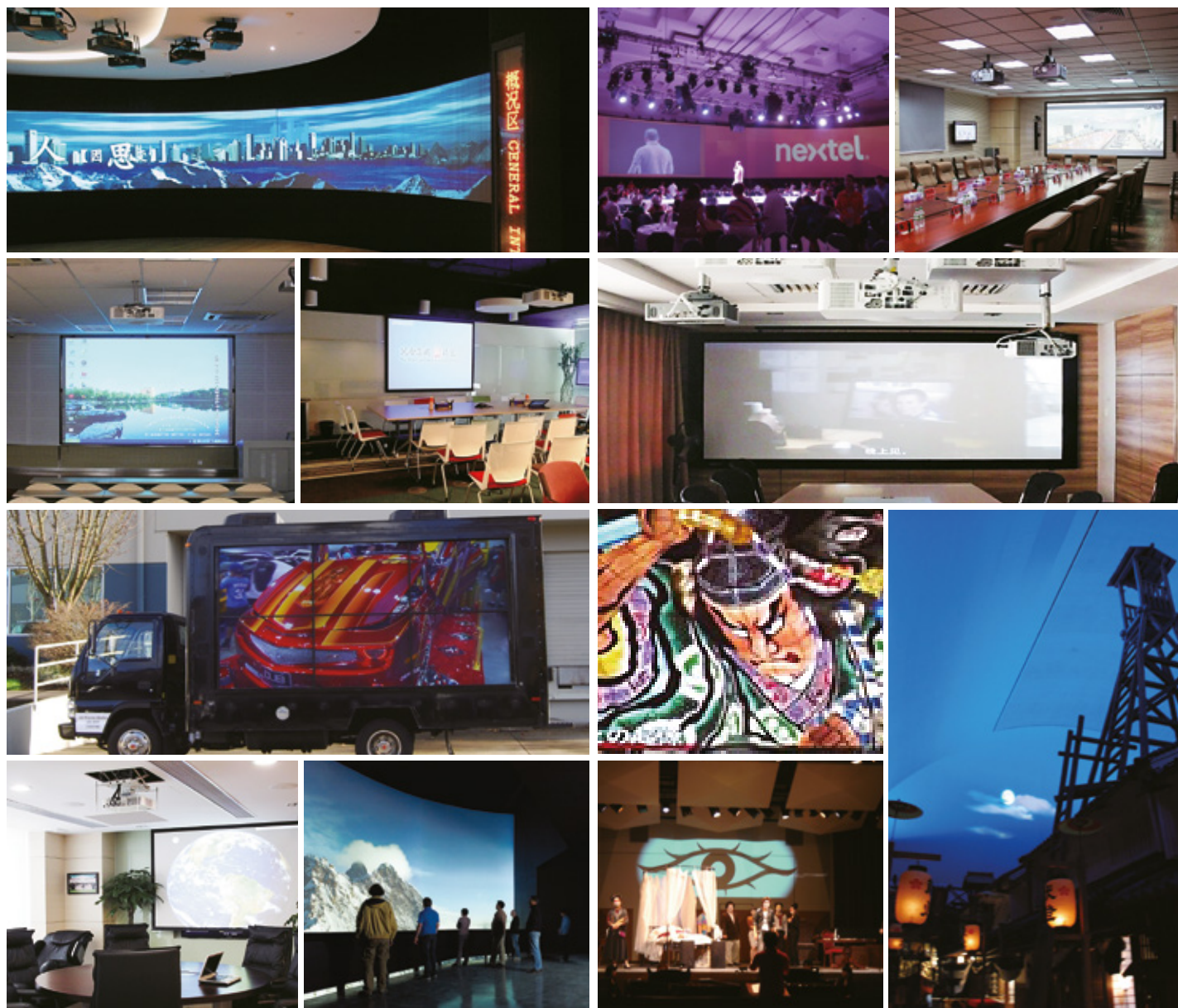
Design and specifications are subject to change without notice.
- The projected images and comparison photos in this catalogue are simulations.
- LCD panels, polarizers and other optical components and cooling fans may need replacement after prolonged usage. For more details, please consult a Hitachi sales representative.
- Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
- Optical components (lamp, LCD panel, polarizing plate, PBS [polarizer beam splitter]) have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp's power on and off frequently shortens its service life.
- Optical components other than the lamp: If the projector is used for six hours or more per day, they may need to be replaced in less than a year.
- LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened.
- Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime or the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
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