

VPL-CW276

5,100 lumens WXGA installation projector



Overview

Extremely bright, high resolution images, with simple set-up and low running costs for schools or meeting rooms

The VPL-CW276 offers installation flexibility, energy efficiency with a low total cost of ownership, and high image quality, while boasting a stylish design that blends into any decor.

Image correction features and a lens shift/zoom capability enable users to easily fit any image onto the screen, even from an offset projection angle.

In addition, these installation projectors are thoughtfully designed for optimum energy efficiency with a reduced total cost of ownership. They feature an auto power saving function, picture muting function with lamp control technology, long-lasting lamp, and low power consumption.

Every model delivers high image quality. The VPL-CW276 offers 5,200 lumens* brightness and provides high image quality with WXGA resolution.

With all the features and functionality that you expect from Sony – particularly easy installation and usability, energy efficiency and low maintenance, and dependable image quality – the VPL-

CW276 is ideal for mid- to large-size classrooms, conference rooms, and many similar environments.

* ISO 21118

Features

Bright, clear images with maximum 5,100 lumens colour light output

The projector's high light output ensures that presentations are seen clearly in any classroom or meeting room. Choose from three brightness modes to suit any environment – High for naturally white presentations in bright rooms, Standard for everyday use, and Auto Mode that adjusts lamp brightness for optimum efficiency and picture quality according to the image being projected.

1.32: 1 to 1.91:1 throw ratio

1.32: 1 to 1.91:1 throw ratio, allowing installation in most larger classrooms or meeting rooms.

High resolution lens

The high resolution Advanced Crisp Focus (ACF) lens offers a large diameter and fine pitch to ensure clear, sharp pictures.

Fine lens shift

The projector's wide lens shift range means that the projector can be positioned closer to the ceiling, or horizontally offset to avoid ceiling obstacles.

3LCD BrightEra™ Technology

The projector's efficient 3LCD panel system is enhanced by advanced BrightEra™ technology by Sony. You'll see the difference with impressively bright, consistent, high resolution images and increased panel reliability.

WXGA resolution for detail-packed presentations

WXGA (1280 x 800) 16:10 resolution offers lots of crisp, fine detail:

perfect for making presentations direct from a laptop or PC.

Quieter operation

Acoustic fan noise is reduced compared with previous models for even quieter operation.

Save energy at the touch of a button

Just push the ECO MODE button on the projector or remote commander to instantly access a range of energy-saving settings.

Auto Dimming

Projector brightness is gradually reduced automatically if there's no input signal, or after a pre-set time – cutting power consumption and saving energy bills. Brightness instantly returns to maximum when an input signal is detected.

Power Saving Picture Mute

Touch a button on the projector remote and the picture's muted instantly. Another touch and the projector's instantly powered back up to resume your presentation.

Vertical and Horizontal Keystone Adjustment

Keystone distortion of vertically up to +/- 30 degrees and horizontally up to +/- 20 degrees can be digitally corrected via the on-screen menu and/or remote commander. This allows images to be projected with their correct geometry, even when installation space is limited.

Advanced Geometric Correction

Each image corner and side can be grabbed and adjusted for a true, square fit - invaluable when projecting from an offset position.

Smart APA (Auto Pixel Alignment)

Phase, Pitch and Shift values are automatically optimised when using the projector with a PC source. These values can also be adjusted manually.

Auto Input Search

The projector automatically switches to the correct input, simplifying set-up and saving time.

Audio switcher facility

The projector can select between two audio sources, routing them via a variable audio output to the room amplification system.

Picture Freeze Function

Picture Freeze is useful if you need to look at other material on your PC's screen during presentations without the audience seeing it. Freeze the current image that's being projected, and use your PC independently from the projector display.

Get closer with Digital Zoom

Instantly magnify a selected portion of the screen by up to 4x for a really close-up view of images from a connected PC.

Off and Go

Touch a button at the end of your presentation and projector is turned off immediately, without going through a lengthy power-down cycle.

Direct Power On/Off

There's no need to go through Standby mode when powering up the projector: the projector activates as soon as power is supplied.

Security that's built in

Your investment's protected with security measures including password protection and physical anti-theft anchor points.

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|----------------|--------------|
| Display System | 3 LCD system |
|----------------|--------------|

Display device

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|--------------------------------|------------------------------------------------------------|
| Size of effective display area | 0.75" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10 |
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|------------------|-----------------------------------|
| Number of pixels | 3,072,000 (1280 x 800 x 3) pixels |
|------------------|-----------------------------------|

Projection lens

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|-------|--------|
| Focus | Manual |
|-------|--------|

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|-----------------------|--------|
| Zoom - Powered/Manual | Manual |
|-----------------------|--------|

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|--------------|----------------|
| Zoom - Ratio | Approx. 1.45 x |
|--------------|----------------|

| | |
|-------------|------------------|
| Throw Ratio | 1.32:1 to 1.91:1 |
|-------------|------------------|

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|-----------------------------|--------|
| Lens shift - Powered/Manual | Manual |
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|-----------------------------|--------|
| Lens shift - Range Vertical | +/- 5% |
|-----------------------------|--------|

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|-------------------------------|--------|
| Lens shift - Range Horizontal | +/- 3% |
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Light source

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|------|----------------------------------|
| Type | Ultra high pressure mercury lamp |
|------|----------------------------------|

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|---------|------------|
| Wattage | 280 W type |
|---------|------------|

Recommended lamp replacement time *1

| | |
|-----------------|--------|
| Lamp mode: High | 3000 H |
|-----------------|--------|

| | |
|---------------------|--------|
| Lamp mode: Standard | 4000 H |
|---------------------|--------|

Filter cleaning / replacement cycle (Max.) *1

| | |
|--------------------------------------------|--------------------------------------------------|
| Filter cleaning / replacement cycle (Max.) | Same time as the lamp replacement is recommended |
|--------------------------------------------|--------------------------------------------------|

Screen size

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|-------------|---------------------------------------------------------|
| Screen size | 40" to 300" (1.02 m to 7.62 m) (measured diagonally) |
|-------------|---------------------------------------------------------|

Light output

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|-----------------|---------|
| Lamp mode: High | 5200 lm |
|-----------------|---------|

| | |
|---------------------|---------|
| Lamp mode: Standard | 4200 lm |
|---------------------|---------|

Color light output

Lamp mode: High 5200 lm

Lamp mode: Standard 4200 lm

Contrast ratio (full white / full black) *2

Contrast ratio (full white / full black) 3000:1

Speaker

Speaker 10 W x 1 (monaural)

Displayable scanning frequency

Horizontal 19 kHz to 92 kHz

Vertical 48 Hz to 92 Hz

Display resolution

Computer signal input Maximum display resolution: UXGA 1600 x 1200 dots*3

Video signal input NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i

Color system

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|--------------|-----------------------------------------------------|
| Color system | NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60 |
|--------------|-----------------------------------------------------|

Keystone correction (Max.)

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|------------|---------|
| Vertical | +/- 30° |
| Horizontal | +/- 20° |

OSD language

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|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OSD language | 24-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Finnish, Hungarian, Greek) |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

INPUT OUTPUT (Computer/Video/Control)

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|---------|---------------------------------------------------------------------------------------------------------|
| INPUT A | RGB / Y PB PR input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack |
| | RGB input connector: Mini D-sub |

| | |
|----------|---------------------------------------------------------------------------------------------------------------------|
| INPUT B | 15-pin (female) Audio input connector: Stereo mini jack |
| INPUT C | HDMI input connector: HDMI 19-pin, HDCP support |
| INPUT D | HDMI input connector: HDMI 19-pin, HDCP support |
| VIDEO IN | Video input connector: Pin jack Audio input connector: Pin jack (x2) |
| OUTPUT | Monitor output connector*4: Mini D-sub 15-pin (female) Audio output connector*5: Stereo mini jack (variable out) |
| REMOTE | D-sub9pin (male)/RS232C |
| LAN | RJ-45, 10BASE-T/100BASE-TX |

Acoustic noise

Lamp mode: Standard 34 dB

Operating temperature / Operating humidity

Operating temperature /
Operating humidity 0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)

Storage temperature / Storage humidity

| | |
|-----------------------|-----------------------------------|
| Storage temperature / | -10°C to +60°C (14°F to +140°F) / |
| Storage humidity | 20% to 80% (no condensation) |

Power requirements

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|--------------------|-----------------------------------------------|
| Power requirements | AC 100 V to 240 V 4.0 A to 1.7 A, 50/60 Hz |
|--------------------|-----------------------------------------------|

Power consumption

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|-------------------|-------------------------|
| AC 100 V to 120 V | Lamp mode: High : 395 W |
|-------------------|-------------------------|

| | |
|-------------------|-------------------------|
| AC 220 V to 240 V | Lamp mode: High : 372 W |
|-------------------|-------------------------|

Power Consumption (Standby Mode)

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|-------------------|------------------------------------------------|
| AC 100 V to 120 V | 0.5 W (when "Standby mode" is set to "Low") |
|-------------------|------------------------------------------------|

| | |
|-------------------|------------------------------------------------|
| AC 220 V to 240 V | 0.5 W (when "Standby mode" is set to "Low") |
|-------------------|------------------------------------------------|

Power Consumption (Networked Standby Mode)

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|----------------------------------|
| 3.0 W (LAN) (when "Standby Mode" |
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|-------------------|-----------------------|
| AC 100 V to 120 V | is set to "Standard") |
|-------------------|-----------------------|

| | |
|-------------------|--------------------------------------------------------|
| AC 220 V to 240 V | 3.0 W (LAN) (when "Standby Mode" is set to "Standard") |
|-------------------|--------------------------------------------------------|

Standby Mode / Networked Standby Mode Activated

| | |
|-------------------------------------------------|------------------------|
| Standby Mode / Networked Standby Mode Activated | After about 10 minutes |
|-------------------------------------------------|------------------------|

Heat dissipation

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|-------------------|------------|
| AC 100 V to 120 V | 1348 BTU/h |
|-------------------|------------|

| | |
|-------------------|------------|
| AC 220 V to 240 V | 1269 BTU/h |
|-------------------|------------|

Dimensions (W x H x D)

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|----------------------------------------------|--------------------------------------------------------------|
| Dimensions (W x H x D) (without protrusions) | Approx. 406 × 113 × 330.5 mm (15 31/32 × 4 7/16 × 13 inches) |
|----------------------------------------------|--------------------------------------------------------------|

Mass

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|------|------------------------|
| Mass | Approx. 5.7 kg (13 lb) |
|------|------------------------|

Supplied accessories

Remote commander RM-PJ8

Optional Accessories

Replacement lamp LMP-C280

Notes

*1 The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

*2 The value is average.

*3 Available for VESA Reduced Blanking signal.

*4 From INPUT A and INPUT B.

*5 Works as an audio switcher function. Output from a selected channel; not available in standby

Environmental notice for customers in the Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information,

USA

please contact your local
authorities or see
www.sony.com/mercury for
additional information.

Gallery

