

PHILIPS
28HDL5000PP-00
LED Display



PHILIPS 28HDL5000PP-00 LED Display Owner's Manual

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PHILIPS 28HDL5000PP-00 LED Display



Product Information

Elevate your visual journey with the Philips Public LED 5000. This LED display offers a seamless connectivity experience, various sizing options, and customizable curvature, allowing you to design a breathtaking display for immersive visual experiences.

Specifications

- **Brand:** Philips
- **Product Name:** Signage Solutions LED Display
- **Model:** 28HDL5000PP
- **Display Type:** Direct View LED
- **Size:** 28 inches

Features

- Crystal clear content with great color accuracy
- Brightness uniformity exceeding 97%
- Wide color gamut for lifelike images
- A contrast ratio of $\geq 3000:1$ for exceptional clarity
- Lower power consumption with built-in power-saving features
- Lightweight and wall mountable with optional hoisted installation
- Front-access maintenance for easy service and module replacement
- Bezel-free design for seamless display connections
- Built-in cable management

Product Usage Instructions

1. Installation

1. Choose a suitable location for the LED display ensuring proper ventilation.
2. Mount the display using the provided brackets or hoisting equipment as per your preference.

2. Maintenance

1. Use the dedicated removal tool to easily access and replace internal electronics or modules.
2. Regularly clean the display surface with a soft, dry cloth to maintain optimal viewing quality.

3. Connecting to Power

1. Connect the power cable to a suitable power outlet.
2. Ensure the power switch is in the off position before plugging in the display.

4. Customization

Adjust color settings, brightness, and contrast using the on-screen menu for personalized viewing experiences.

Frequently Asked Questions

Q: Can I connect multiple LED display cabinets?

A: Yes, you can connect multiple cabinets to create the desired resolution, whether it's 4K, 8K, or higher.

Q: How do I ensure optimal brightness uniformity?

A: Regularly calibrate the display using the provided settings and tools to maintain brightness uniformity above 97%.

Q: Is the LED display suitable for outdoor use?

A: The Philips Public LED 5000 Series is designed for indoor use; for outdoor applications, consider appropriate weatherproofing measures.

Introduction

Elevate your visual journey

Empower uniquely crafted Public LED displays that redefine audience engagement. Deliver your immersive visual experiences with seamless connectivity, various sizing, and customizable curvature, allowing to design a breathtaking display.

- **Ensures crystal clear**

- Ensures crystal clear content and great color accuracy.
- Brightness uniformity exceeding 97%.

- **Vivid picture enhancement**

- Elevate your visual experience.
- Contrast excellence
- Lower power consumption

- **Precisely aligned, seamless, and bezel-free**

- Front-access maintenance
- Built-in cable management
- Lightweight wall mountable or hoisted installation
- Create bezel-free video walls

Specifications

- Picture/Display
- Aspect ratio: 1:1
- Brightness uniformity: $\geq 97\%$
- Calibration(brightness/color): Supported
- Color temperature adjust range: 4000~9500 K (by software)
- Color temperature default: 6500 ± 500 K
- Contrast ratio (typical): $\geq 3000:1$
- Viewing angle (horizontal): 150 degree
- Viewing angle (vertical): 150 degree
- Picture enhancement: Wide color gamut display
- Placement: Landscape
- Frame frequency (Hz): 50 & 60
- Refresh rate(Hz): Up to 3840 Hz
- Three specific modules pixel pitch: 1,9mm, 2,5mm, and 3,9mm

- **Convenience**

- Ease of installation: Guide pins, Lightweight, Locking mechanism for cabinet
- Power loop through: – for 230V environments: 8 cabinets or less – for 110V environments: 4 cabinets or less
- Signal control loop through: RJ45

- **Power**

- Input voltage: AC100~240V (50 & 60Hz)

- **Operating conditions**

- Temperature range (operation): -20~45 °C
- Temperature range (storage): -20~50 °C
- LED Lifetime: TBD
- Humidity range (operation)[RH]: 10~80%
- Humidity range (storage) [RH]: 10~85%

- **Cabinet**

- Cabinet area (m²): 0.25
- Cabinet size (mm): 500x500x40
- Data connector: RJ45
- Power connector: In/Out (C14/C13)

- Receiving card brand: Novastar
- Weight (KG): 6.3
- Cabinet diagonal (inch): 27.84
- Cabinet construction: Die-cast aluminum
- **Accessories**
 - LAN cable (RJ45, CAT-5): 1 pcs
 - QSG: 1 pcs
- **Miscellaneous**
 - Warranty: 2 years
 - Regulatory approvals: RoHS, EAC, EN61000-3-2, EN61000-3-3, IEC/UL60950, IEC/UL62368, IEC62471, EN55032, EN55035, FCC SDOC, Part 15, Class A
- **Specific module 14HDL5019PM/00**
 - Pixel pitch: 1.9mm
 - Brightness after calibration: $\leq 500\text{nit}$
 - Brightness before calibration: 550nit
 - Max. power cons. AC (W/m^2): 340 W
 - Max. power cons. BC (W/m^2): 388 W
 - Consumption (Typical W/m^2): 120 W
 - Cabinet pixels (Dot): 65,536
 - Module resolution (W x H): 128 x 128
 - Cabinet resolution (W x H): 256 x 256
- **Specific module 14HDL5025PM/00**
 - Pixel pitch: 2.5mm
 - Brightness after calibration: $\leq 500\text{nit}$
 - Brightness before calibration: 550nit
 - Max. power cons. AC (W/m^2): 300 W
 - Max. power cons. BC (W/m^2): 340 W
 - Consumption (Typical W/m^2): 100 W
 - Cabinet pixels (Dot): 10.000
 - Module resolution (W x H): 100 x 100
 - Cabinet resolution (W x H): 200 x 200
- **Specific module 14HDL5039PM/00**
 - Pixel pitch: 3.9mm
 - Brightness after calibration: $\leq 500\text{nit}$
 - Brightness before calibration: 550nit
 - Max. power cons. AC (W/m^2): 300W
 - Max. power cons. BC (W/m^2): 340W
 - Consumption (Typical W/m^2): 100W
 - Cabinet pixels (Dot): 16,384
 - Module resolution (W x H): 64 x 64
 - Cabinet resolution (W x H): 128 x 128

Highlights

- **Ensures crystal-clear content**

Ensures crystal clear content and great color accuracy. Achieves smooth, judder-free images with a high refresh rate.

- **Brightness uniformity exceeding 97%.**

Revel in consistent brilliance with brightness uniformity exceeding 97%.

- **Elevate your visual experience.**

Elevate your visual experience with a wide color gamut for lifelike images.

- **Contrast excellence**

Witness exceptional clarity with a contrast ratio of $\geq 3000:1$.

- **Lower power consumption**

Developing technology for your sustainable business future through built-in power-saving features.

- **Lightweight wall mountable or hoisted installation**

As well as an optional range of connections and brackets for wall mounting, Philips Public LED 5000 Series also supports fixed hoisting installations.

- **Front-access maintenance**

Internal electronics are easy to access and replace for service and maintenance. The modules in the cabinet can be easily and safely removed with the dedicated removal tool.

- **Bezel-free**

Simply connect multiple LED display cabinets to create the resolution you want-whether it's 4K, 8K, or even higher. Compared to LCD screens, LED displays boast higher refresh rates that enable smoother images.

Whatever the application, you'll thrill your audience with crystal-clear picture quality.


- **Built-in cable management**

Philips Public LED 5000 Series displays come with built-in cable management, keeping power and data cables tidy. Meanwhile, cabinets are daisy-chained for both power and data – using PPDS' unique board-to-board module and cabinet connection design – minimizing clutter and speeding up installations.

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Documents / Resources

	<p>PHILIPS 28HDL5000PP-00 LED Display [pdf] Owner's Manual 28HDL5000PP-00, 14HDL5019PM-00, 14HDL5025PM-00, 14HDL5039PM-00, 28HDL5000PP-00 LED Display, 28HDL5000PP-00, LED Display, Display</p>
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References

- [Philips - United States | Philips](#)
- [User Manual](#)

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