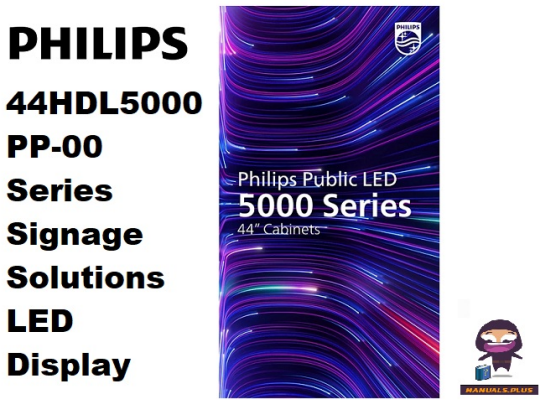


# PHILIPS 44HDL5000PP-00 Series Signage Solutions LED Display Owner's Manual



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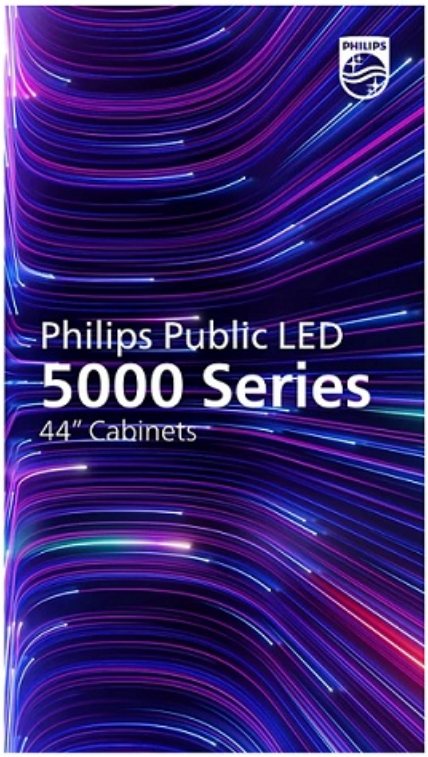
PHILIPS

## PHILIPS 44HDL5000PP-00 Series Signage Solutions LED Display




**Features:**

- Elevate your visual journey with uniquely crafted Public LED displays
- Deliver immersive visual experiences with seamless connectivity
- Various sizing and customizable curvature for a breathtaking display

**Highlights:**

- Picture/Display: 44" Direct View LED with 3.9mm pixel pitch
- Brightness uniformity exceeding 97%
- Contrast ratio of >=3000:1
- Lower power consumption with built-in saving features
- Lightweight, wall-mountable or hoisted installation
- Front-access maintenance for easy service and maintenance
- Bezel-free design for seamless display connections
- Built-in cable management

## Product Usage Instructions

**Installation:**

1. Choose a suitable location for the LED display.
2. Mount the display using wall-mount brackets or opt for a hoisted installation.
3. Ensure proper ventilation around the display for optimal performance.
4. Connect the necessary cables securely.

**Maintenance:**

1. To access internal electronics for maintenance, use the dedicated removal tool.
2. Ensure regular cleaning of the display surface using a soft,dry cloth.
3. Check for any loose connections or signs of wear periodically.

**Usage Tips:**

- Adjust brightness and contrast settings for the best viewing experience.
- Utilize the wide color gamut for lifelike images.
- For multiple displays, ensure proper alignment and calibration for uniform visuals.

## FAQ

**Q: Can I connect multiple LED display cabinets?**
**A:** Yes, you can connect multiple cabinets to create desired resolutions like 4K or 8K.

**Q: How do I access internal electronics for maintenance?**
**A:** Use the dedicated removal tool to easily access and replace internal components.

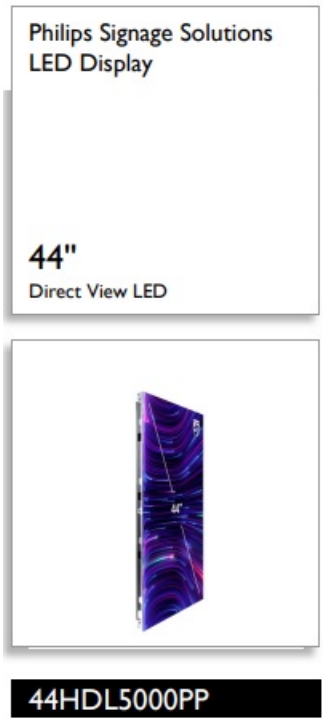
**Q: What should I do in case of connectivity issues?**
**A:** Check the cable connections, ensure they are secure, and restart the display system.

Philips Public LED 5000

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.

## FEATURE

- Ensures crystal clear
- Brightness uniformity exceeding 97%.
- Ensures crystal clear content and great colour accuracy.
  Vivid picture enhancement
- Lower power consumption
- Contrast excellence
- Elevate your visual experience.
  Precisely aligned, seamless and bezel free
- Lightweight wall mountable or hoisted installation
- Front-access maintenance
- Built in cable management
- Create bezel-free video walls




## Specifications

### Picture/Display

- Aspect ratio: 1:2
- Brightness Uniformity: >=97%
- Calibration(brightness/color): Supported
- Color temperature adjust range: 4000~9500 K (by software)
- Color temperature default: 6500±500 K
- Contrast ratio (typical): >=3000:1
- Viewing angle (horizontal): 150 degree
- Viewing angle (vertical): 150 degree
- Picture enhancement: Wide color gamut display
- Placement: Landscape, Portrait
- 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, Light weight, 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

### 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): 0.50
- Cabinet size (mm): 500x1000x40
- Data connector: RJ45
- Power connector: In/Out (C14/C13)
- Receving card brand: Novastar
- Weight (KG): 11.2
- Cabinet diagonal (inch): 44.02
- 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: ≤500nit
- Brightness before calibration: 550nit
- Max. power cons. AC (W/m²): 340 W
- Max. power cons. BC (W/m²): 388 W
- Consumption (Typical W/m²): 120 W
- Cabinet pixels (Dot): 131,072
- Module resolution (W x H): 128 x 128
- Cabinet resolution (W x H): 256 x 512

**Specific module 14HDL5025PM/00**

- Pixel pitch: 2.5mm
- Brightness after calibration: ≤ 500nit
- Brightness before calibration: 550nit
- Max. power cons. AC (W/m²): 300 W

- Max. power cons. BC (W/m²): 340 W
- Consumption (Typical W/m²): 100 W
- Cabinet pixels (Dot): 20.000
- Module resolution (W x H): 100 x 100
- Cabinet resolution (W x H): 200 x 400

**Specific module 14HDL5039PM/00**

- Pixel pitch: 3.9mm
- Brightness after calibration: ≤ 500nit
- Brightness before calibration: 550nit
- Max. power cons. AC (W/m²): 300W
- Max. power cons. BC (W/m²): 340W
- Consumption (Typical W/m²): 100W
- Cabinet pixels (Dot): 32,768
- Module resolution (W x H): 64 x 64
- Cabinet resolution (W x H): 128 x 256

## Highlights

**Ensures crystal clear content**

- Ensures crystal clear content and great colour 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 colour gamut for lifelike images.

**Contrast excellence**

- Witness exceptional clarity with a contrast ratio of >=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 its 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 abidance 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

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|---|---|
| | PHILIPS 44HDL5000PP-00 Series Signage Solutions LED Display [pdf] Owner's Manual 44HDL5000PP-00, 14HDL5019PM-00, 14HDL5025PM-00, 14HDL5039PM-00, 44HDL5000PP-00 Series Signage Solutions LED Display, 44HDL5000PP-00 Series, Signage Solutions LED Display, Solutions LED Display, LED Display, Display |

## References

- Philips - United States | Philips
- User Manual

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