



Philips Public LED 5000 Series

28" Cabinets

Philips Signage Solutions
LED Display

28"

Direct View LED



28HDL5000PP

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.

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

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

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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 \pm 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, 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

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: ≤ 500 nit
- 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): 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: ≤ 500 nit
- 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): 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: ≤ 500 nit
- 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): 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 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 $\geq 3000:1$.

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 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 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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