



# 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, variable sizing and customisable curvature, allowing you to design a breathtaking display.

### Ensures crystal-clear content

- 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

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

# PHILIPS

# Specifications

## Picture/Display

- Aspect ratio: 1:1
- Brightness uniformity:  $\geq 97\%$
- Calibration (brightness/colour): Supported
- Colour temperature adjust range: 4000~9500 K (by software)
- Colour 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 colour gamut display
- Placement: Landscape
- Frame frequency (Hz): 50 & 60
- Refresh rate (Hz): Up to 3840 Hz
- Three specific modules of pixel pitch: 1.9 mm, 2.5 mm and 3.9 mm

## Convenience

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

## Power

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

## 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 (m<sup>2</sup>): 0.25
- Cabinet size (mm): 500 x 500 x 40
- 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 aluminium

## 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: 1.9 mm
- Brightness after calibration:  $\leq 500$  nit
- Brightness before calibration: 550 nit
- Max. power cons. AC (W/m<sup>2</sup>): 340 W
- Max. power cons. BC (W/m<sup>2</sup>): 388 W
- Consumption (Typical W/m<sup>2</sup>): 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: 2.5 mm
- Brightness after calibration:  $\leq 500$  nit
- Brightness before calibration: 550 nit
- Max. power cons. AC (W/m<sup>2</sup>): 300 W
- Max. power cons. BC (W/m<sup>2</sup>): 340 W
- Consumption (Typical W/m<sup>2</sup>): 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: 3.9 mm
- Brightness after calibration:  $\leq 500$  nit
- Brightness before calibration: 550 nit
- Max. power cons. AC (W/m<sup>2</sup>): 300 W
- Max. power cons. BC (W/m<sup>2</sup>): 340 W
- Consumption (Typical W/m<sup>2</sup>): 100 W
- 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 a brightness uniformity that exceeds 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, the 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 that 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, minimising clutter and speeding up installations.

