

# PHILIPS



## LED Display

### Signage Solutions

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

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

#### Vivid picture enhancement

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

#### Precisely aligned, seamless and bezel free

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

## 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 (m<sup>2</sup>): 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:  $\leq 500$ nit  
Brightness before calibration: 550nit  
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: 2.5mm  
Brightness after calibration:  $\leq 500$ nit  
Brightness before calibration: 550nit  
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: 3.9mm  
Brightness after calibration:  $\leq 500$ nit  
Brightness before calibration: 550nit  
Max. power cons. AC (W/m<sup>2</sup>): 300W  
Max. power cons. BC (W/m<sup>2</sup>): 340W  
Consumption (Typical W/m<sup>2</sup>): 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.

