**PHILIPS**

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**
- Contrast excellence
- Lower power consumption
- 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

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# Specifications

## Picture/Display
- Aspect ratio: 1:1
- 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
- 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: ≤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): 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: ≤ 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): 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: ≤ 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): 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 >=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.