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

Vivid picture enhancement
- Contrast excellence
- Elevate your visual experience.
- Lower power consumption

Precisely aligned, seamless and bezel free
- Built in cable management
- Create bezel-free video walls
- Front-access maintenance
- Lightweight wall mountable or hoisted installation

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)
Receving 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.

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