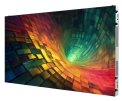
PHILIPS

Philips Unite LED 6000 Panels

Signage Solutions

27"

Direct View LED



27HDL6000IP

Philips Unite LED 6000 Series panels

Premium performance. Seamless integration.

The Philips Unite 6000 Series redefines professional LED performance. Purposefully engineered and expertly specified to bring ease of installation together with advanced features and stunning visual quality. Ideal for true business impact.

Precision calibration – colour accuracy
- Factory calibration for consistency across modules.
- Accurate colours with depth that stands out.

Flexible configurations
- Modular design adapts to any space or resolution need.

Brilliant SMD LED for advanced quality
- Options for 1.2 / 1.5 / 1.8 pp for ultra sharp visuals.

Smooth picture motion
- 3840hz refresh rates ensure flicker-free, fluid motion.

Specifications

Picture/Display

Brightness (nits): 600 nit
Brightness uniformity: ≧97%
Calibration(brightness/color): Color and Brightness
Color temperature adjust range: 4000~9500 (by software)
Color temperature default: 6500K±500 K
Contrast ratio: ≥3000:1
Bit-depth(bit): 13
Frame frequency (Hz): 50-60
Refresh rate(Hz): ≦3840 Hz
Colour uniformity: ±0.012Cx,Cy
Colour coordinates: 0.313, 0.325 (±0.012Cx,Cy)
Viewing angle (°) H/V: 145/145
Scan rate: 45

Power

Input voltage: AC100~240V (50 & 60Hz)
BTU/M2: 1483 / 1314 / 1146
Cabinet Max Power consumption (W): 88 / 78 / 68
Cabinet Typical Power consumption (W): 29.3 / 26 / 22.7
Power consumption/M2 (W): 435 / 385 / 336
Power supply unit: HWT-354V6-SS

Operating conditions

Temperature range (operation): -20 - 45 °C
Temperature range (storage): -20 - 50 °C
Humidity range (operation)[RH]: 10%-80%RH
Humidity range (storage) [RH]: 10%-85%RH
Working environment (indoor/outdoor): Indoor

Cabinet

Cabinet area (m2): 0.2025
Cabinet resolution (W x H): 480 x 270 / 384 x 216 / 320 x 180 pixels
Data connector: RJ45
Power connector: C13/C14
Receiving card quantity: 1
Receving card brand: Novastar
Weight (KG): 5.44Kg (±) / 5.36Kg (±) / 5.36Kg (±)
Cabinet construction: Die-Casting Aluminum
Cabinet Size (WxHxD in mm): 600x337.5x33.5 / 600x337.5x33.6 / 600x337.5x33.7
Cabinet size (inch): 27.1”
Receiving card type: A5s+

Module

LED type: SMD
Pixel constitution: SMD 1R1G1B
Pixel pitch (mm): 1.25 / 1.5625 / 1.875
Module size (WxH in mm): 300x168.75x2.0 mm (tolerance: +0/-0.1)
LED Pole type: Common Anode
LED Lifetime (Hrs, half brightness): 100,000
Conformal coating (UV-resistant): No
Flatness of LED module with back shell: ≦0.25mm
Module Resolution (WxH in pixels): 240 x 135 / 192 x 108 / 160 x 90
Included: Black screen power saving, Flash memory, Dynamic power saving

Miscellaneous

Warranty: 2 years
Regulatory approvals: FCC SDOC, Part 15, Class A, EN55032, EN55035, EN61000-3-2, EN61000-3-3, IEC/UL60950, IEC/UL62368, CE, RoHS

Packaging Data

Package size (WxHxD mm): 690*420*123mm
Gross weight: 5.155Kg(±158g)
Net weight: 3.175Kg(±158g)
Carton / Paper Weight: 1.95Kg(±98g)
Plastic Weight: 0.5Kg(±24g)

Highlights

Brilliant SMD LED for advanced quality

Delivering advanced quality visuals with panel options for: 1.2mm pixel pitch with 14HDL6012IM/00 module; 1.5mm pixel pitch with 14HDL6015IM/00 module; 1.8mm pixel pitch for 14HDL6018IM/00 module. Vibrant colours, deep blacks, and uniform brightness create an immersive visual experience, ideal for high impact professional settings.

Smooth picture motion

With refresh rates up to 3840 Hz these Philips Unite LED 6000 Series panels deliver flicker-free, seamless visuals. Ideal for playing fast-moving content and live feeds.

Precision calibration – colour accuracy

Factory calibration guarantees uniform brightness and colour accuracy across all modules. The result? Consistent image quality that maintains brand integrity and professional standards at any scale. Ideal for bringing revenue generating advertising on board.

Colour depth that stands out

Higher colour depth enhances gradients, eliminates banding, and brings content to life with more detail and realism. Ensuring premium performance for branding perfection, unrivalled presentations, and immersive displays.

Optimised for every environment

Designed for flexibility, the advanced brightness control and performance tuning features within the Philips Unite LED 6000 Series simplify integration and operation, adapting to lighting and content needs and delivering content without compromise. Front access makes servicing and maintenance easier, with each of the modules in a cabinet able to be removed easily, and direct access to power supply, hub board, and wiring.

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