

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

- 3840 Hz refresh rates ensure flicker-free, fluid motion.

Highlights

Brilliant SMD LED for advanced quality

Delivering advanced quality visuals with panel options for: 1.2 mm pixel pitch with 14HDL6012IM/00 module; 1.5 mm pixel pitch with 14HDL6015IM/00 module; 1.8 mm 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 the power supply, hub board and wiring.

Specifications

Picture/Display

Brightness (nits): 600 nit
Brightness uniformity: $\geq 97\%$
Calibration (brightness/colour): Colour and Brightness
Colour temperature adjust range: 4000~9500 (by software)
Colour temperature default: 6500 K \pm 500 K
Contrast ratio: $\geq 3000:1$
Bit-depth (bit): 13
Frame frequency (Hz): 50-60

Refresh rate (Hz): ≤ 3840 Hz
Colour uniformity: ± 0.012 Cx, Cy
Colour coordinates: 0.313, 0.325 (± 0.012 Cx, Cy)
Viewing angle (°) H/V: 145/145
Scan rate: 45

Power

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

Specifications

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

Receiving card brand: NovaStar

Weight (kg): 5.44 kg (±)/5.36 kg (±)/5.36 kg (±)

Cabinet construction: Die-Casting Aluminium

Cabinet Size (W x H x D in mm):

600 x 337.5 x 33.5/600 x 337.5 x 33.6/600 x 337.5 x 33.7

Cabinet size (inches): 27.1"

Receiving card type: A5s+

LED Lifetime (hrs, half brightness): 100,000

Conformal coating (UV-resistant): No

Flatness of LED module with back shell:

≤0.25 mm

Module Resolution (W x H 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

Module

LED type: SMD

Pixel constitution: SMD 1R1G1B

Pixel pitch (mm): 1.25/1.5625/1.875

Module size (W x H in mm):

300 x 168.75 x 2.0 mm (tolerance: +0/-0.1)

LED Pole type: Common Anode

Packaging Data

Package size (W x H x D mm): 690*420*123 mm

Gross weight: 5.155 kg(±158 g)

Net weight: 3.175Kg(±158g)

Carton/Paper Weight: 1.95 kg(±98 g)

Plastic Weight: 0.5 kg(±24 g)

