

PHILIPS



LED Solutions

Philips Unite LED 3000 Series

27"

Flip chip COB

Factory calibration



27HDL3012IP/00

Philips Unite LED 3000 Series

Seamlessly simple. Functionally stunning.

The Philips Unite 3000 Series redefines back to basics LED performance. Easy on your bottom line and on the eye, bringing better picture quality, better colour uniformity, and better refresh rates to truly stand out from the competition.

Smooth and bright picture motion

- 3840 Hz refresh rate ensures flicker free, fluid motion.
- Stand out in settings across range of lighting conditions.

Precision calibration – colour accuracy

- Factory calibration for consistency across modules.
- Wide colour range for accuracy and depth that stands out.

Brilliant COB LED for super cool quality

- Options for 0.9 / 1.2 / 1.5 / 1.8 pp for ultra sharp visuals
- Optimised design for lower power consumption.
- Cool temperature common cathode LED technology.

Flexible and optimised for your environment

- Easy to clean, dust protected and splash resistant.
- Modular design, optimised for your environment.

Specifications

Picture/Display

Brightness (nits): 600 nit
 Brightness Uniformity: $\geq 95\%$
 Calibration(brightness/color): Color
 Color temperature adjust range: 3000-10000K
 Color temperature default: 9300K ± 200
 Contrast ratio: 10000:1
 Bit-depth(bit): 13+3 by software
 Frame frequency (Hz): 50 & 60 Hz
 Refresh rate(Hz): 3840 Hz
 Colour uniformity: ± 0.003 Cx,Cy
 Colour coordinates: x:0.285 ± 0.003 ,
 y:0.293 ± 0.003
 Viewing angle (°) H/V: 160°

Power

Input voltage: AC 100–240V (50/60 Hz)
 Max. power cons. AC (W): 55W
 Typical power cons. (W): 18W
 BTU/M2: <927

Operating conditions

Temperature range (operation): -10 to 40 °C
 Temperature range (storage): -20 to 60 °C
 Humidity range (operation)[RH]: 10%-90%RH
 Humidity range (storage) [RH]: 10%-90%RH
 Working environment (indoor/outdoor): Indoor

Cabinet

Cabinet area (m2): 0.2052 m²
 Cabinet resolution (W x H): 480x270 mm
 Data connector: RJ45

Power connector: 3-pin locking Reunion
 Receiving card brand: Novastar
 Weight (KG): 4.0 ± 0.4 kg
 Cabinet diagonal (inch): 27"
 Cabinet construction: Die-casting aluminum
 Cabinet Size (WxHxD in mm):
 600x337.5x39.75mm (+0.1/-0.1)

Module

LED type: COB
 Pixel constitution: RGB Flip Chip
 LED lifetime(Hrs): 100,000 hours (half brightness)
 Module resolution (WxH pixels): 120x135
 Pixel pitch (mm): 1.25
 Module size (WxH in mm): 150x168.75mm
 (+0.05/-0.05)
 Flatness: ≤ 0.1 mm

Miscellaneous

Warranty: 3 years
 Regulatory approvals: CE, ETL, FCC, RoHS, CB, WEEE, CA RoHS, CA65, Reach
 Spare modules CTN: 9HDL3093IM/00
 9HDL3012IM/00 9HDL3015IM/00
 9HDL3118IM/00

Packaging Data

Package size (WxHxD mm): 750 x 410 x 140 mm
 Gross weight: 5 kg
 Net weight: 4 kg

Highlights

Smooth and bright picture motion

With a 3840 Hz refresh Philips Unite LED 3000 Series panels deliver flicker free, seamless visuals – easy on the eye and great for fast moving content and live feeds. 600 nits brightness brings easy to see content to life in a wide range of settings.

Brilliant COB LED for super cool quality

Vibrant colours, deep blacks, and uniform brightness create an immersive visual experience, ideal for high impact professional settings. Cool common cathodes bring stability, reliability, and higher definition together with lower energy consumption for reduced cost of ownership.

Precision calibration

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 accuracy that stands out

With a colour gamut of 96% for a wider and more accurate range of colours, the Philips Unite 3000 Series brings enhanced gradients, eliminates banding, and brings content to life with more detail and realism.

Flexible and optimised for your environment

Designed for flexibility, the brightness control and performance tuning features within the Philips Unite LED 3000 Series simplify integration and operation, adapting to lighting and content needs and delivering content without compromise. Easy to clean, with a smooth surface, the Philips Unite 3000 Series incorporates IP54 dust protection and water resistancy to the front, and IP31 to the back of each panel. 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.

