

PHILIPS
27HDL5112IP-00
Unite LED
Display



PHILIPS 27HDL5112IP-00 Unite LED Display Owner's Manual

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PHILIPS 27HDL5112IP-00 Unite LED Display



Philips Unite LED 5000 Series Panels

Quality. Style. Accessibility. Without compromise.

The Philips LED Unite 5000 Series is your essential range of investment-friendly flip-chip COB panels that deliver on high quality, resolution, reliability, and efficiency. So reliability, efficiency.



27HDL5112IP

Supports HDR10+ video standard

- Crystal clear content with vivid colors and brightness.

Flip chip COB dvLED panels

- Greater stability and reliability, plus higher definition.

Prewired cabinets for faster installation

- Prewired for power, with loop-through for data included.

Low power consumption

- Supporting sustainability and energy savings.

Three-year warranty as standard

- Activated out of the box for hassle-free peace of mind.

Philips Unite LED 5000 Panels Direct View LED

Specifications

Picture/Display

- Brightness (nits): 600 nit
- Brightness Uniformity: $\geq 97\%$
- Calibration(brightness/color): Color and Brightness
- Color temperature adjust range: 3000-10000
- Color temperature default: 6500K \pm 500
- Contrast ratio (typical): 5000:1
- Viewing angle (horizontal): 160 degree
- Viewing angle (vertical): 160 degree
- Bit-depth(bit): 13
- Frame frequency (Hz): 50-60
- Refresh rate(Hz): 1920-3840 Hz
- Color temperature (K) adjust range (by software): 3000-10000
- Viewing angle (°) H/V: 160°

Power

- Input voltage: AC100~240V (50 & 60Hz)
- Black screen power cons. (W): <16.7
- Max cabinets power daisy chain: 16
- BTU/M2 (BC): 1267
- BTU/M2 (AC): 1036
- Cabinet Max Power consumption (W) (BC): <75
- Cabinet Max Power consumption (W) (AC):: <59
- Cabinet Typical Power consumption (W) (AC): <18.22
- Power consumption/M2 (W)(BC): 371,5
- Power consumption/M2 (W)(AC): 303,75

Operating conditions

- Temperature range (operation): -10 – 45 °C
- Temperature range (storage): -40 – 60 °C
- Humidity range (operation)[RH]: 10%-90%RH
- Humidity range (storage) [RH]: 10%-70%RH
- Working environment (indoor/outdoor): Indoor

Cabinet

- Cabinet area (m2): 0.2052
- Cabinet pixels (Dot): 129,600
- Cabinet resolution (W x H): 480×270 mm
- Data connector: RJ45
- Power connector: 3-pin connector
- Receiving card quantity: 1pcs
- Receiving card brand: Novastar A8S-N
- Weight (KG): 4.7±0.2
- Cabinet construction: Die-cast
- Cabinet Size (WxHxD in mm): 600×337.5×33.6
- Cabinet size (inch): 27.1"

Module

- LED type: COB
- Pixel constitution: 1R1G1B Flip Chip
- ED lifetime(Hrs): 100,000 hours
- Module resolution (WxH pixels): 120×135
- Pixel pitch (mm): 1.25
- Module size (WxH in mm): 150×168.75
- LED Pole type: Common cathode
- Weight(KG): 0.14
- Black screen power saving

Accessories

- LAN cable (type/length): RJ45 75cm/RJ45 15cm
- Screws (type/length mm): Hex M6, 22mm
- QSG (Quick Start Guide): Printed on carton

Miscellaneous

- Warranty: 36 months
- Regulatory approvals: CCC, CE, ETL, FCC, SASO, UKCA, RoHS

Packaging Data

- Dimension of packaging (mm): 822x461x99
- Gross weight (KG): 6.1±0.2

Highlights

Flip chip COB dvLED panels

Delivering greater stability, reliability, and visual performance, as well as enabling smaller pixel pitches for darker blacks, higher brightness, higher contrast, and higher definition.

Cool low power consumption

Common cathode technology boosts the energy efficiency of the P0.78, P0.93, P1.25, P1.5, and P1.875 Philips LED Unite 5000 Series panels, optimizing power consumption without compromising on performance. This cool LED technology enables precise control over each cathode, minimizing heat output, to ensure the display is more energy-conscious and, ultimately, more environmentally friendly.

Stylish exterior and finishing




The Philips LED Unite 5000 Series comes with a rolling ripple exterior cabinet design and is pre-wired for power for the tidiest cable management. Optional edge finishing is available in brushed anodized aluminum, with easy-click functionality for fast installation.

12-bit colours and HDR10+

Supporting 12-bit colors and HDR10+ resolution, Philips LED Unite 5000 Series panels deliver crystal clear content with near-perfect color and brightness accuracy, delivering the deepest visual experiences.

- Issue date 2024-10-16
- Version: 6.6.1
- EAN: 87 21038 10037 2
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Documents / Resources

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References

- [Philips - United States | Philips](#)
- [User Manual](#)

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