

PHILIPS



Philips Unite LED 5000 Panels

Signage Solutions LED
Display

27"

Flip chip COB

Low power consumption



27HDL5193IP

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.

Supports HDR10+ video standard

- Crystal clear content with vivid colours 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.

Specifications

Picture/Display

Brightness (nits): 600 nit
 Brightness Uniformity: >=97%
 Calibration(brightness/color): Color and Brightness
 Color temperature adjust range: 3000-10000
 Color temperature default: 6500±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
 Colour 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): <38
 Max cabinets power daisy chain: 16
 BTU/M2 (BC): 1406
 BTU/M2 (AC): 1049
 Cabinet Max Power consumption (W) (BC): <86
 Cabinet Max Power consumption (W) (AC): <64
 Cabinet Typical Power consumption (W) (AC): <45
 Power consumption/M2 (W)(BC): 421
 Power consumption/M2 (W)(AC): 314

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): 1,137,777
 Cabinet resolution (W x H): 640x360 mm
 Data connector: RJ45

Power connector: 3 pin connector
 Receiving card quantity: 2 pcs
 Receiving card spec.: A10s Pro x2
 Receiving card brand: Novastar
 Weight (KG): 4.7±0.2
 Cabinet diagonal (inch): 600x337.5x33.6
 Cabinet construction: Die cast
 Cabinet Size (WxHxD in mm): 600x337.5x33.6
 Cabinet size (inch): 27.1"

Module

LED type: COB
 Pixel constitution: 1R1G1B Flip Chip
 LED lifetime(Hrs): 100,000 hours
 Module resolution (WxH pixels): 160x180
 Pixel pitch (mm): 0.9375
 Module size (WxH in mm): 150x168.75
 LED Pole type: Common cathode
 Weight(KG): 0.15
 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

Nett Weight (Product excluding accessories and packing in KG): <4.8kg
 Packing Total weight Cardboard/paper (in Gram): 1100±100
 Packing Total weight Plastics (LDPE/EPE/HDPE/PVC/ in Gram): 400±100
 Package size (WxHxD mm): 822x461x99
 Gross weight (full product, incl. accessories and packaging KG): 6.3±0.2

Highlights

Flip chip COB dvLED panels

Delivering on 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, optimising power consumption without compromising on performance. This cool LED technology enables precise control over each cathode, minimising 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 pre-wired for power for the tidiest cable management. Optional edge finishing is available in brushed anodised aluminium, with easy click functionality for fast installation.

12-bit colours and HDR10+

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

