



Philips Signage Solutions
LED Display
Philips Unite LED 5000
Panels

Direct View LED



27HDL5178IP

Philips Unite LED 5000 Series Panels

Quality. Style. Accessibility. Without compromise.

Your essential range of investment-friendly flip chip COB panels delivering on quality, resolution and reliability, as well as efficiency. With low power consumption for reduced cost of ownership and an easy-to-maintain flat matt surface.

Supports HDR10+ video standard

- Crystal-clear content with vivid colours and brightness.

Flip chip COB dvLED panels

- Greater stability and reliability, plus higher definition.

Pre-wired cabinets for faster installation

- Pre-wired 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.

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Specifications

Picture/Display

- Brightness (nits): 600 nit
- Brightness Uniformity: $\geq 97\%$
- Brightness after calibration: 500 ± 50
- Brightness before calibration: 600 ± 50
- Calibration (brightness/colour): Colour and brightness
- Colour temperature adjust range: 3000–10000
- Colour 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: AC100~240 V (50 and 60 Hz)
- Black screen power cons. (W): < 32.6
- Max. power cons. AC (W): 440
- Max. power cons. BC (W): 375
- Max cabinets power daisy chain: 16
- BTU/M2 (BC): 1791
- BTU/M2 (AC): 1365
- Cabinet Max Power consumption (W) (BC): < 105
- Cabinet Max Power consumption (W) (AC): < 80
- Cabinet Typical Power consumption (W) (AC): < 40
- Power consumption/M2 (W) (BC): 525
- Power consumption/M2 (W) (AC): 400

Operating conditions

- Temperature range (operation): $-10 \sim 45^\circ\text{C}$
- Temperature range (storage): $-40 \sim 60^\circ\text{C}$
- 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): 1,638,400
- Cabinet resolution (W x H): 768 x 432 mm
- Data connector: RJ45
- Power connector: 3-pin connector
- Receiving card quantity: 2 pcs
- Receiving card brand: Novastar A10s Pro x 2
- Weight (kg): 4.7 ± 0.2
- Cabinet construction: Die Cast Aluminium
- Cabinet Size (W x H x D in mm): $600 \times 337.5 \times 33.6$
- Cabinet size (inches): 27.1"

Module

- LED type: COB
- Pixel constitution: 1R1G1B Flip Chip
- LED lifetime(Hrs): 100 000
- Module resolution (WxH pixels): 192 x 216
- Pixel pitch (mm): 0.78125
- Module size (W x H in mm): 150 x 168.75
- LED Pole type: Common Cathode
- Weight (kg): 0.15
- Black screen power saving

Accessories

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

Miscellaneous

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

Packaging Data

- Net Weight (Product excluding accessories and packaging in kg): < 4.8 kg
- Packing Total weight Cardboard/paper (in grams): 1100 ± 100
- Packing Total weight Plastics (LDPE/EPE/HDPE/PVC/ in grams): 400 ± 100
- Package size (W x H x D mm): 822 x 461 x 99
- Gross weight (full product, incl. accessories and packaging in 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 that 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 tidest 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.



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