PHILIPS

Philips Unite LED 5000 Panels

Signage Solutions LED Display

27"

Flip chip COB

Low power consumption

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.

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): <20
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): <30
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): 1,638,400
Cabinet resolution (W x H): 768x432mm
Data connector: RJ45
Power connector: 3 pin connector
Receiving card quantity: 2 pcs
Receving card brand: Novastar A10s Pro x2
Weight (KG): 4.7±0.2
Cabinet diagonal (inch): 27.1"
Cabinet construction: Die Cast Aluminium
Cabinet Size (WxHxD in mm): 600x337.5x33.6

Module
LED type: COB
Pixel constitution: 1R1G1B Flip Chip
LED lifetime(Hrs): 100,000
Module resolution (WxH pixels): 192x216
Pixel pitch (mm): 0.78125
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): QSG 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.

© 2025 Koninklijke Philips N.V.
All Rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

Issue date 2025-09-15
Version: 17.17.1

EAN: 87 21038 10038 9

www.philips.com