PHILIPS

Philips Unite LED 5000 Panels

Signage Solutions LED Display

Direct View LED

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.

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.

Signage Solutions LED Display

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Specifications

Picture/Display

Brightness (nits): 600 nit
Brightness Uniformity: >=97%
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): <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): 640 x 360 mm
Data connector: RJ45
Power connector: 3-pin connector
Receiving card quantity: 2 pcs
Receiving card spec.: A10s Pro x 2
Receiving card brand: Novastar
Weight (kg): 4.7 ± 0.2
Cabinet diagonal (inch): 600 x 337.5 x 33.6
Cabinet construction: Die cast
Cabinet Size (W x H x D in mm): 600 x 337.5 x 33.6
Cabinet size (inches): 27.1"

Module

LED type: COB
Pixel constitution: 1R1G1B Flip Chip
LED lifetime(Hrs): 100,000 hours
Module resolution (WxH pixels): 160 x 180
Pixel pitch (mm): 0.9375
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): 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 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.

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