

# PHILIPS



## Philips Unite LED 5000 Panels

Signage Solutions LED  
Display

27"

Flip chip COB

Low power consumption



27HDL5112IP

## 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.

## Specifications

### Picture/Display

Brightness (nits): 600 nit  
 Brightness Uniformity:  $\geq 97\%$   
 Calibration (brightness/colour): Colour and Brightness  
 Colour temperature adjust range: 3000–10000  
 Colour 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  
 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):  $< 16.7$   
 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):  $< 30$   
 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): 129,600  
 Cabinet resolution (W x H): 480 x 270 mm  
 Data connector: RJ45  
 Power connector: 3-pin connector  
 Receiving card quantity: 1 pcs  
 Receiving card brand: Novastar A8S-N  
 Weight (kg): 4.7  $\pm$  0.2  
 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  
 Module resolution (WxH pixels): 120 x 135  
 Pixel pitch (mm): 1.25  
 Module size (W x H in mm): 150 x 168.75  
 LED Pole type: Common cathode  
 Weight (kg): 0.14  
 Black screen power saving  
 LED part number: HCP 1.25  
 LED Lifetime (hrs, half brightness): 100,000

### 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

Dimension of packaging (mm): 822 x 461 x 99  
 Gross weight (KG): 5.8  $\pm$  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.

