



Philips Signage Solutions  
LED Display  
Philips Unite LED 5000  
Panels

**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.

### **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.

# PHILIPS

# Specifications

## Picture/Display

- Brightness (nits): 600 nit
- Brightness Uniformity:  $\geq 97\%$
- Calibration(brightness/color): Color and Brightness
- Color temperature adjust range: 3000-10000
- Color temperature default: 6500 $\pm$ 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: AC100~240V (50 & 60Hz)
- Black screen power cons. (W):  $<25.9$
- Max cabinets power daisy chain: 16
- BTU/M2 (BC): 1330
- BTU/M2 (AC): 1207
- Cabinet Max Power consumption (W) (BC):  $<80$
- Cabinet Max Power consumption (W) (AC):  $<60$
- Cabinet Typical Power consumption (W) (AC):  $<20.25$
- Power consumption/M2 (W)(BC): 390
- Power consumption/M2 (W)(AC): 354

## 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 $\pm$ 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):  $<4.8\text{kg}$
- Packing Total weight Cardboard/paper (in Gram): 1100 $\pm$ 100
- Packing Total weight Plastics (LDPE/EPE/HDPE/ PVC/ in Gram): 400 $\pm$ 100
- Package size (WxHxD mm): 822x461x99
- Gross weight (full product, incl. accessories and packaging KG): 6.3 $\pm$ 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 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 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.



Issue date 2024-10-16

Version: 7.7.1

EAN: 87 21038 10039 6

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