

# PHILIPS



## Philips Unite LED 5000 Panels

Signage Solutions LED  
Display

27"

Flip chip COB

Low power consumption



27HDL5118IP

## 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.

### **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.

### **Supports HDR10+ resolution**

- Crystal clear content with vivid colours and brightness.

## Specifications

### Picture/Display

Brightness (nits): 600 nit  
Brightness Uniformity:  $\geq 97\%$   
Calibration(brightness/color): Color and Brightness  
Color temperature default: 6500K $\pm$ 500  
Contrast ratio (typical): 5000:1  
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)  
Max cabinets power daisy chain: 16  
BTU/M2 (BC): 1153  
BTU/M2 (AC): 972  
Cabinet Max Power consumption (W) (BC):  $<65$   
Cabinet Max Power consumption (W) (AC):  $<50$   
Cabinet Typical Power consumption (W) (AC):  $<30$   
Power consumption/M2 (W)(BC): 338  
Power consumption/M2 (W)(AC): 285

### 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 ): 57,600  
Cabinet resolution (W x H): 320x180  
Data connector: RJ45  
Power connector: 3 pin connector

Receiving card brand: Novastar A8S-N

Weight (KG): 4.7 $\pm$ 0.2  
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  
Module resolution (WxH pixels): 80x90  
Pixel pitch (mm): 1.875  
Module size (WxH in mm): 150x168.75  
LED Pole type: Common Anode  
Weight(KG): 0.137  
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: CE, UKCA, FCC, ETL, RoHS, CCC, SASO

### Packaging Data

Nett Weight (Product excluding accessories and packing in KG):  $<4.8$ 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.

### 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.

