

PHILIPS



LED Display

Signage Solutions

Philips Urban LED 6000 Series



57HUL6510DP

Outdoor LED Digital Billboard

The Urban LED 6000 is energy efficient and delivers ultra-high brightness with exceptional visual clarity. Ultimate visuals for billboards, arenas and airports. With front and rear maintenance, it accommodates different cabinet sizes.

Effortless picture quality. Endless possibilities.

- Ultra-high brightness direct view
- Crystal clear images
- Various panel dimensions
- Different panels for the right fit
- High energy efficiency
- Easy maintenance front and rear
- Made for outdoors

Highlights

Ultra-high brightness direct view

Make the ultimate impact with crisp, clear and vibrant content in bright locations. The high brightness Philips Urban LED 6000 Series ensures optimal viewing performance even in direct sunlight.

Crystal clear images

Adapted shader mask design for outdoor NPP solutions and the underlying technologies bring Philips Urban LED 6000 series an unparalleled high contrast ratio and high refresh rate, delivering smooth broadcasting with more colour subtlety, shading and saturation.

Various panel dimensions

The Philips Urban LED 6000 Series is designed to mix different cabinet types to create your perfect dimensions and enable many options for splicing.

Different panels for the right fit

Choose from gold or copper wire panels. The gold wire range provide brighter dvLED display, less heat generation and longer durability.

High energy efficiency

The heat dissipation not only effectively improves the efficiency of the heat dissipation, but also reduces the power consumption, contributing to sustainability goals.

Easy maintenance

All modules and components can be maintained from the front and rear sides. Modules can be unlocked from the front or rear. The internal electronics are also easy to access for servicing or maintenance. Each of the LED modules in a cabinet can be unlocked using a T-hex tool, in order to remove the module from the front or via the rear side.

Made for outdoors

IP66 rated: dustproof, waterproof and salt spray resistant.

Specifications

Picture/Display

Brightness (nits): 10000 nit

Calibration (brightness/colour): Colour and Brightness

Colour temperature adjust range:

3000~10000 K

Contrast ratio: 10000:1

Bit-depth (bit): ≥14

Frame frequency (Hz): 50 - 60

Scan rate (lines): 3

Refresh rate (Hz): 7680 (with CE report and cert.)

Viewing angle (°) H/V: 160/70

Power

Consumption (Typical): 168 W

Max Power consumption (W): 600 W

Input voltage: AC100~240 V (50 and 60 Hz)

BTU/M2 (BC): 2132.59

BTU/M2 (AC): 1706.07

Power consumption/M2 (W) (BC): 625

Power consumption/M2 (W) (AC): 500

Operating conditions

Temperature range (operation): -30~50 °C

Temperature range (storage): -40~60 °C

Humidity range (operation)[RH]: 10~90%

Humidity range (storage) [RH]: 10~70%

Working environment (indoor/outdoor):
outdoor

IP Rating (front/rear): IP66/65

Cabinet

Cabinet area (m2): 0.96

Cabinet pixels (Dot): 9600

Cabinet resolution (W x H): 80 x 120 pixels

Data connector: Seetronic

Power connector: Seetronic

Receiving card brand: Novastar

Weight (kg): 30.5±1

Cabinet construction: Profile aluminium

Cabinet Size (W x H x D in mm): 800 x 1200

Cabinet size (inches): 57"

Module

LED type: SMD

Pixel constitution: 1R1G1B

Module resolution (WxH pixels): 40 x 30

Pixel pitch (mm): 10

Module size (W x H in mm): 400 x 300

Weight (kg): 1.35~1.45 kg

LED part number: SMD2727

LED Lifetime (hrs, half brightness): 100 000

Miscellaneous

Warranty: 36 months

Regulatory approvals: RoHS, EMC, FCC SDOC, Part 15, Class A, ETL, LVD

Certification: TUV, ITS

