

# PHILIPS



## LED Display

### Signage Solutions

Philips Urban LED 6000 Series



57HUL6410DP

## Outdoor LED Digital Billboard

The Urban LED 6000 is energy efficient, boasts ultra-high brightness of 10,000 nits with P10 pixel pitch. Ultimate visuals for billboards, arenas and airports. With front and rear maintenance access, 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):** 6000 nit

**Calibration (brightness/colour):** Colour and Brightness

**Colour temperature default:** 8000±500 K

**Contrast ratio:** 7000:1

**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:** 160/120

## Power

**Consumption (Typical):** 194 W

**Max Power consumption (W):** 610 W

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

**BTU/M2 (BC):** 2166.71

**BTU/M2 (AC):** 1808.44

**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):** 56.8"

## 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:** 24 months

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

**Certification:** TUV, ITS

