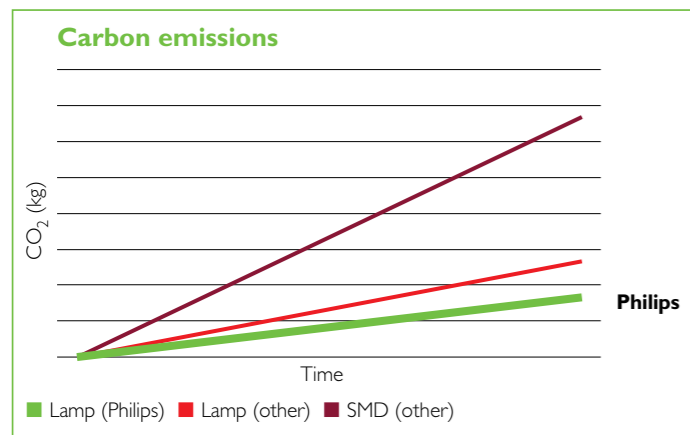


Technical Specifications Philips Vidiwall™ DS fascia

Products	
Model	DS 20-5000 P
Type	VWL550 P B50 RB
I2NC	915000001 I2I
Physical	
Area	1.536 m ²
Weight	65 kg/panel
Cabinet	Aluminum
IP rating	Front IP65/rear IP45
Picture/ Display	
Pixels W x H (physical)	80 x 48
Pixel pitch (physical)	20.0 mm
LED type	Lamp
LED pixel configuration R:G:B	1:1:1
Colour resolution	48 bit
Contrast	10,000:1
Peak brightness (min)	>5,000 cd/m ² (nit)
White point	6,500 K
Viewing angle (left/right)	160°
Viewing angle (up/down)	35°/50°
Refresh rate	>350 Hz
Special features	ASP™, DPMT™
Environmental	
Ambient operating conditions	Temperature -20° to +50°C, humidity 10% - 95%
Power	
Typical power consumption	88 VA/m ²
Peak power consumption	352 VA/m ²
AC mains supply	200-240 VAC, 50-60 Hz
Approvals	RoHS compliant, CE approved, FCC, ETL



Spectacular arena experience

Philips Vidiwall™ DS fascia, high contrast LED banner solution for outdoor events

The Vidiwall™ DS fascia boasts a unique combination of innovations designed for player safety, maximum reliability and superior picture quality.

Combining the best LEDs from the industry leader Nichia, with Philips' expertise, pixel failures are rare and brightness and color uniformity is superb. This superb picture performance is further enhanced by excellent daylight contrast achieved using our unique louver design.

Our unique rubber louvers and cushions on top of the panels protect players from injury upon impact emphasizing the importance of player safety to Philips.

Philips LED displays are renowned as the industry benchmark for energy efficiency. The Philips 'green' solution results in savings on energy consumption, significantly reducing the impact on the environment whilst saving you money. Designed for easy handling and fast installation, Vidiwall™ DS fascia outdoor panels feature a lightweight design with auto addressing capability. The rugged design is fully weather-proof and suited for any outdoor environment.



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Philips Vidiwall™ DS fascia outdoor LED display technology

- Excellent daylight contrast
- Green, highly efficient
- High contrast rubber louvers for player protection
- Duplex data flow guarantees uninterrupted operation
- Lightweight design
- Auto addressing for fast and easy installation
- Temperature controlled fans, low audible noise

System components



DS SP240 signal processor

Formats DVI input signals for transmission to data distributor, via single mode fiber cable.

Includes:

- 1x European power cable
- 2x Single mode fiber cable
- 1x DVI cable
- 1x RS232 cable

Dimensions: 482 x 295 x 45 mm

Weight: 5.8 kg

IP rating: IP30 indoor use

Distance to the display: up to 2 km

Type: VWU240 01 – I2NC: 915000001871



DS DD340 data distributor

Receives incoming digital signal via fiber cable from remote signal processor and distributes the signal to the panels.

Includes:

- 1x European power cable
- 2x Single mode fiber cable

Dimensions: 482 x 295 x 45 mm

Weight: 5.6 kg

IP rating: IP30 indoor use

Distance to the display: up to 100 m

Type: VWU340 01 – I2NC: 915000001881



VP520 video processor (optional)

Decodes and scales a variety of input sources into DVI signal suitable for signal processor.

Includes:

- 1x European power cable
- 1x RS232 cable

Dimensions: 483 x 305 x 87 mm

Weight: 6.1 kg

IP rating: IP30 indoor use

Type: VWU100 01 – I2NC: 915000000191

System parts

External data cable

Required to connect the data distributor to the LED panels, L=20 m

External power cable

Required to connect the mains from the mains distribution to the LED panels, L=20 m

3-phase mains distribution (optional)

Adapts incoming 3-phase mains supply to multiple single-phase outlets.

19" control rack with engineering PC (optional)

38U high, 19" rack includes a rack mount engineering PC with LCD monitor, mouse and keyboard and temperature controlled fans.
Type: VWAS04 01 – I2NC: 915000001861

Customized solutions (optional)

A wide range of customized accessories are available according to need.

Hanging brackets and bars

Allows panels to be built into a riggable screen.

Supports

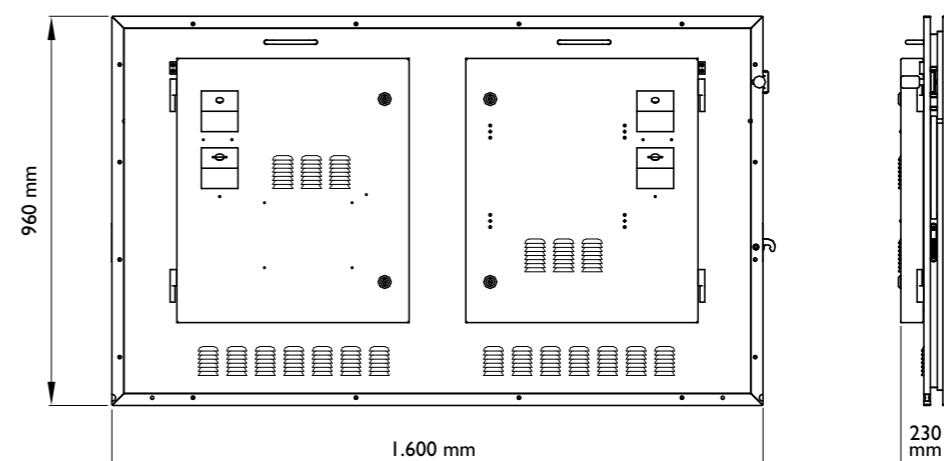
Provide stability and may be anchored to the ground.

Cushioned top covers

Prevent injury to players upon impact.

Emergency gate solutions

For evacuation purposes, a choice of solutions is available to suit customer requirements.



High Contrast rubber louvers

For outdoor applications, contrast is as important as brightness and helps to save energy. Philips louvers are designed for outstanding contrast by minimizing the reflection of ambient light as well as ensuring that players are protected from injury upon impact.

ASP™

Anti-Solarization Processing is Philips' proprietary combination of true 48 bit color (16 bit per color) processing with true 16 bit LED driver technology that completely eliminates disturbing solarization effects commonly visible in dark scenes on LED screens.

Lightweight

Rugged, non-corrosive, cabinet design optimized to reduce weight to a minimum for easy handling during installation.

DPMT™ (Delta Pixel Matrix Technology™)

DPMT™ is a patented, "virtual pixel" technique mathematically proven to provide the maximum improvement in perceived resolution. Research has proven that the unique Delta-Nabla LED arrangement with optimized filter algorithms reduces aliasing, enabling lines and curves to be reproduced with extra precision. The improvement is most striking on characters, and when viewing the LED display close-up.

Auto Addressing

Plug and play auto addressing enables fast and easy screen set-up.

