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## Spectacular LED Media screen

**Philips Vidiwall™ DS outdoor**, the value for money  
LED display solution for creating an impact at any event

The Vidiwall™ DS outdoor range has every ingredient you would expect from a Philips LED Display for an excellent all round performance that is difficult to beat.

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 high contrast louver design. Regular maintenance and care will ensure that this performance level is maximized throughout the display life. 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 outdoor panels feature a lightweight design with auto addressing capability. The rugged design is fully weatherproof and suited for any outdoor environment.

**PHILIPS**  
sense and simplicity

# Philips Vidiwall™ DS outdoor LED display technology

- Best value for money for excellent Return on Investment
- Excellent daylight contrast
- Low power consumption
- Lightweight design
- Auto addressing for fast and easy installation
- Temperature controlled fans, low audible noise



## System components

### DS SP220 signal processor

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

*Includes:*

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

Dimensions: 482 x 370 x 88 mm

Weight: 5.8 kg

IP rating: IP30 indoor use

Distance to the display: up to 2 km

Type: VWU220 01 – I2NC: 91500000791



### DS DD310 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 cables

Dimensions: 482 x 370 x 88 mm

Weight: 5.6 kg

IP rating: IP30 indoor use

Distance to the display: up to 15 m

Type: VWU310 01 – I2NC: 91500000801



### 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: 91500000191

## System parts

### External data cable

Required to connect the data distributor to the LED panels, L=15 m

### External power cable

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

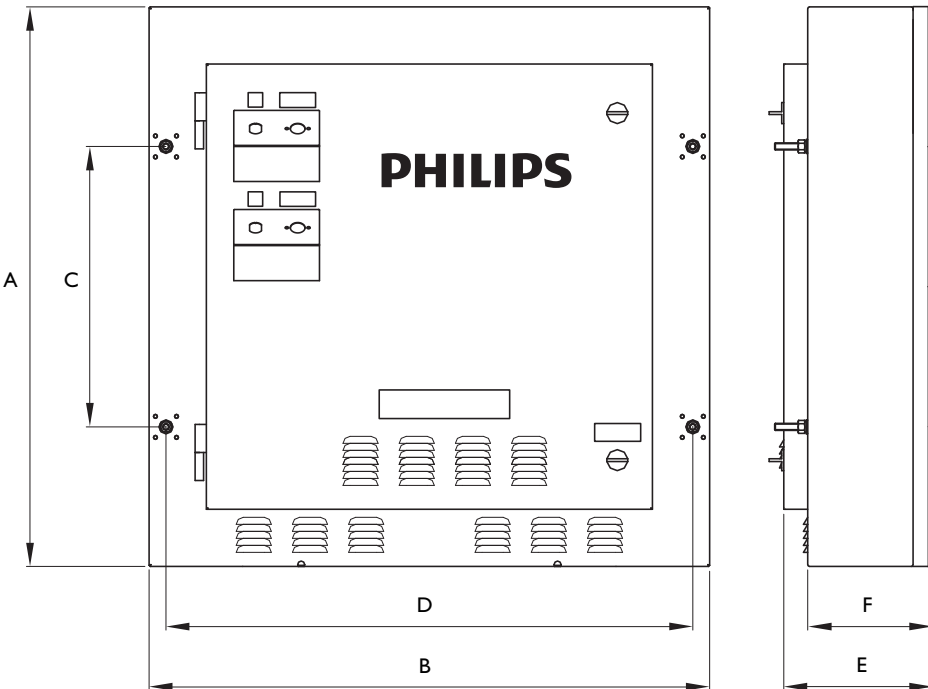
### 3-phase mains distribution (optional)

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



Pitch	A	B	C	D	E	F
20	960	1,280	480	1,230	231	180
25	800	800	400	750	231	180

All dimensions in millimeters

#### High Contrast 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.

#### ASP™

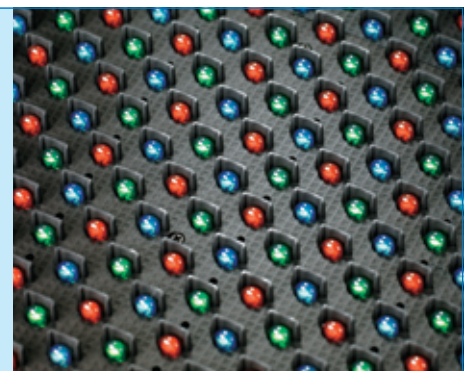
Anti-Solarization Processing is Philips' proprietary combination of true 48 bit color (16 bit per color) processing with true 16 bit LED driver technology that completely eliminates disturbing solarization effects commonly visible in dark scenes on LED screens.

#### Lightweight

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

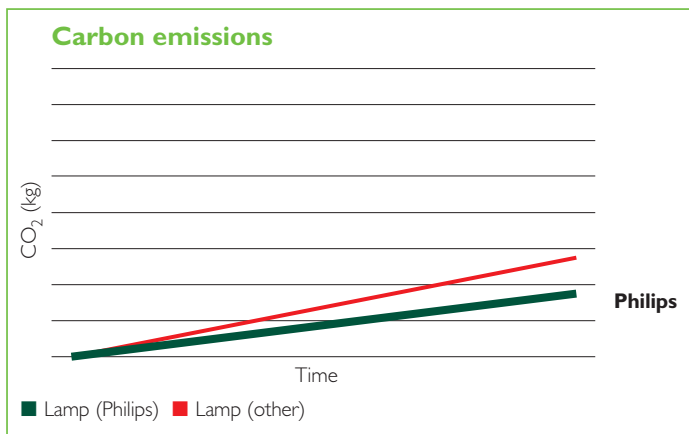
#### Auto Addressing

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



## Technical Specifications Philips Vidiwall™ DS outdoor

Products		
Model	DS 20-5000 S	DS 25-5000 S
Type	VWL550 S B50 CB	VWL560 S B50 AA
I2NC	915000000721	915000000711
Physical		
Area	1.2288 m <sup>2</sup>	0.64 m <sup>2</sup>
Weight	45 kg/panel	24 kg/panel
Cabinet	Aluminum	
IP rating	Front IP65/rear IP45	
Picture/ Display		
Pixels W x H (physical)	64 x 48	32 x 32
Pixel pitch (physical)	20.0 mm	25.0 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 <sup>2</sup> (nit)	
White point	6,500 K	
Viewing angle (left/right)	160°	
Viewing angle (up/down)	35°/60°	
Refresh rate	>350 Hz	
Special features	ASP™	
Environmental		
Ambient operating conditions	Temperature -20° to +50°C, humidity 10% - 95%	
Power		
Typical power consumption	114 VA/m <sup>2</sup>	113 VA/m <sup>2</sup>
Peak power consumption	456 VA/m <sup>2</sup>	453 VA/m <sup>2</sup>
AC mains supply	200-240 VAC, 50-60 Hz	
Approvals	RoHS compliant, CE approved, FCC, ETL	



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