



save  
up to  
.....  
15%

# Capture and keep your customers attention

**Philips Vidiwall™ DA indoor LED display, for uninterrupted operation**

The Vidiwall™ DA indoor range of LED displays boast a unique combination of innovations designed for maximum performance, maximum reliability and superior picture quality.

With Philips LED displays using Nichia LEDs pixel failures are rare and brightness and color uniformity is superb. Further enhanced by Philips pixel level uniformity correction (SmoothPix™) the displays produce natural, lifelike, vivid reproduction of any content. 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.

**PHILIPS**  
sense and simplicity

# Philips Vidiwall™ DA indoor LED display technology

- Green, highly efficient
- Duplex data flow guarantees uninterrupted operation
- Pixel level calibration for natural, lifelike, vivid reproduction of any content
- Temperature controlled fans to minimize audible noise
- True curved displays available to order



## System components

### DA SP230 signal processor

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

Includes:

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

Dimensions: 484 x 210 x 44 mm

Weight: 3.6 kg

IP rating: IP30 indoor use

Distance to the display: up to 2 km

Type: VWU230 02 – I2NC: 91500000922



### DA DD331 data distributor

Receives incoming digital signal via fiber cable from remote signal processor and distributes the signal to the LED display. It has 20 data output connections used in pairs for duplex data flow.

Includes:

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

Dimensions: 484 x 181 x 52 mm

Weight: 2.5 kg

IP rating: IP30 indoor use

Distance to the display: up to 100 m

Type: VWU331 02 – I2NC: 915000001142



### 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 cables

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

### Power connection box

IP65 rated box distributes the power from the input power cable to four panels.

### 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

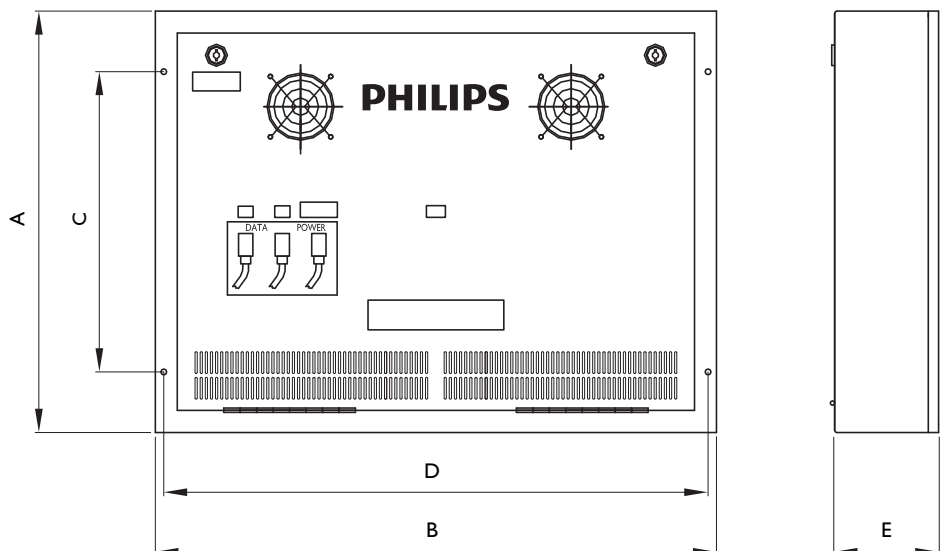



### Maximum reliability

There's nothing worse than a malfunction during an event. Addressing this problem head on, Philips has implemented duplex data flow with enhanced monitoring functions to increase system reliability for uninterrupted operation.

### Real curved screens

Philips special panels available upon request may be used to produce real curved screens. Unlike typical offerings, where the panels are simply angled, each panel is itself curved to reproduce the desired radius with far greater accuracy.



Pitch	A	B	C	D	E
6	576	768	420	736	130
10	480		320	616	130
12	576	768	420	736	130

All dimensions in millimeters

### ASP™

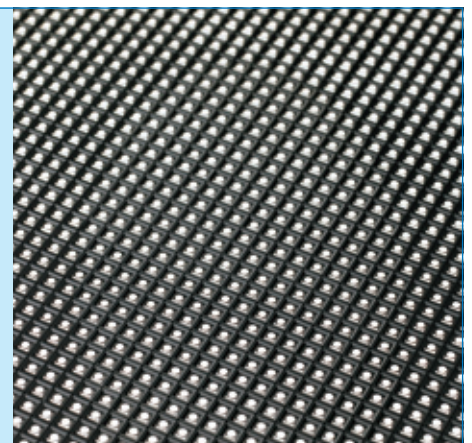
Anti-Solarization Processing is Philips' proprietary combination of true 48 bit color (16 bit per color) processing with true 16 bit LED driver technology that completely eliminates disturbing solarization effects commonly visible in dark scenes on LED screens.

### SmoothPix™

The excellent picture quality of Philips LED displays is due to the exceedingly high quality LEDs used in their manufacture. SmoothPix™ calibration further improves LED matching by measuring and adjusting each LED during factory alignment, resulting in perfect brightness and color uniformity.

### High Contrast louvers

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.



## Technical Specifications Philips Vidiwall™ DA indoor

Products			
Model	DA 6-2000 S	DA 10-2000 S	DA 12-2000 S
Type	VWL625 S B20 FE	VWL635 S B20 CB	VWL685 S B20 CB
I2NC	91500000911	91500000901	91500000891
Physical			
Area	0.44 m <sup>2</sup>	0.31 m <sup>2</sup>	0.44 m <sup>2</sup>
Weight	17.8 kg/panel	12.5 kg/panel	17.8 kg/panel
Cabinet	Aluminum		
IP rating	Front IP30/rear IP30		
Picture/ Display			
Pixels W x H (physical)	128 x 96	64 x 48	64 x 48
Pixel pitch (physical)	6.0 mm	10.0 mm	12.0 mm
LED type	SMD 3 in 1		
LED pixel configuration R:G:B	1:1:1		
Contrast	4,000:1		
Peak brightness (min)	>2,000 cd/m <sup>2</sup> (nit)		
White point	6,500 K		
Viewing angle (left/right)	160°		
Viewing angle (up/down)	80°/80°		
Refresh rate	>500 Hz		
Special features	ASP™, SmoothPix™		
Environmental			
Ambient operatin conditions	Temperature -5° to +40°C, humidity 10% - 85%		
Power			
Typical power consumption	175 VA/m <sup>2</sup>	183VA/m <sup>2</sup>	175 VA/m <sup>2</sup>
Peak power consumption	701 VA/m <sup>2</sup>	732 VA/m <sup>2</sup>	701 VA/m <sup>2</sup>
AC mains supply	200-240 VAC, 48-65 Hz		
Approvals	RoHS compliant, CE approved, FCC		

Note: Special panels are available upon request for curved screens.

Note: Special panels are available upon request for front service access with steel cabinet (30% heavier).

Note: Some specifications for special panels may differ from the above.



©2010 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent- or other industrial or intellectual property rights.

[www.philips.com/vidiwall](http://www.philips.com/vidiwall)

Head Office tel. +31 499 361 111

e-mail: [vidiwall@philips.com](mailto:vidiwall@philips.com)