save
up to
35%

Maximize your media message

Philips Vidiwall™ DA outdoor, top of the range LED display technology with astounding brightness and the lowest energy consumption

Philips proudly announces the next generation of LED displays setting a new industry benchmark for brightness and energy efficiency.
The Vidiwall™ DA outdoor range of LED displays boast a unique combination of innovations designed for maximum performance, maximum reliability and superior picture quality.

Designed to create maximum impact at any event, featuring unrivalled peak brightness of 10.000 cd/m² using Philips DPC™ (Dynamic Power Control), these LED displays are the most energy efficient on the market today. This is accomplished by combining the best LEDs from the industry leader, Nichia, with Philips' expertise on high efficiency power circuit design. The Philips 'green' solution results in >35% savings on energy consumption (compared to its predecessor), significantly reducing the impact on the environment, whilst saving you money.

PHILIPS
sense and simplicity

Philips Vidiwall™ DA outdoor LED display technology

- Unrivalled peak brightness for maximum impact using Philips DPC™ technology
- Green, highly efficient
- Duplex data flow guarantees uninterrupted operation
- No moving parts, like fans for increased reliability and silent operation
- IP65, weatherproof, low maintenance
- Pixel level brightness calibration for natural, lifelike, vivid reproduction of any content.

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 – 12NC: 915000000922

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 – 12NC: 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 – 12NC: 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.

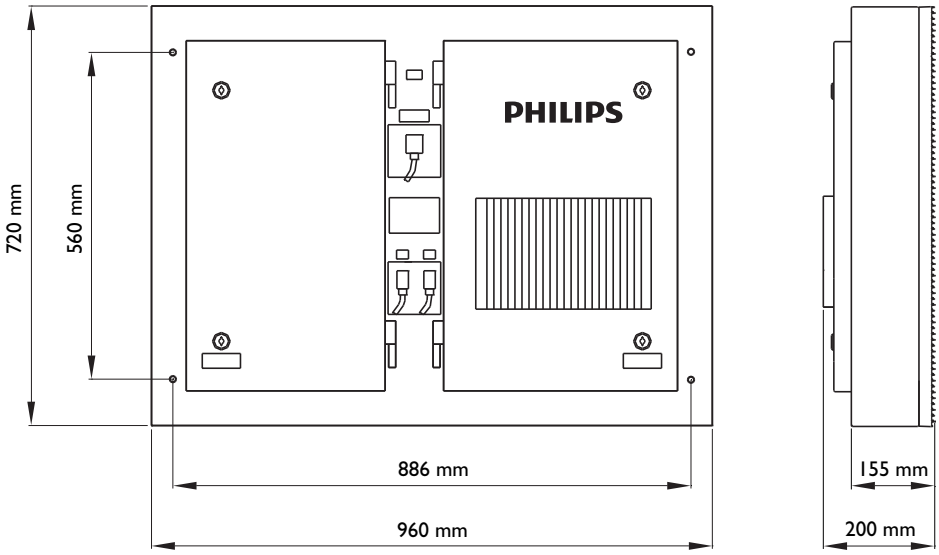
19" control rack with engineering PC (optional)
38U high, 19" rack includes a rack mount engineering PC with LCD monitor, mouse and keyboard and temperature controlled fans.
Type: VWAS04 01 – 12NC: 915000001861

Maximum reliability

The new displays are fully weatherproof, tested to IP65 front and rear, using no fans. This significantly improves product reliability and saves on the cost of regular maintenance. With Philips LED displays using Nichia LEDs pixel failures are rare and brightness and color uniformity is superb. Furthermore, Philips has implemented duplex data flow with enhanced monitoring functions to increase system reliability for uninterrupted operation.

One size fits all

The new Vidiwall™ DA outdoor range of modular LED display solutions features a standard cabinet size. Ideal for advertising applications where the screen size is fixed for multiple locations, allowing the pixel pitch to be optimized to suit each individual location.

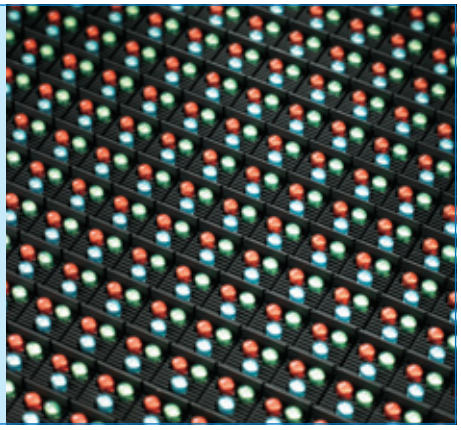


ASP™
Anti-Solarization Processing is Philips' proprietary combination of true 48 bit color (16 bit per color) processing with true 16 bit LED driver technology that completely eliminates disturbing solarization effects commonly visible in dark scenes on LED screens.

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.

DPC™
Dynamic Power Control dynamically limits the peak power within a panel to a predetermined value. Small, bright areas are boosted to peak output levels whilst large area brightness is limited to stay within the power specifications.

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.



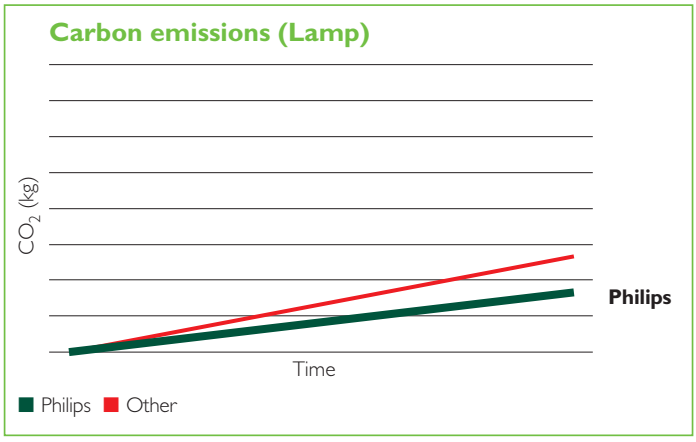
Technical Specifications Philips Vidiwall™ DA outdoor

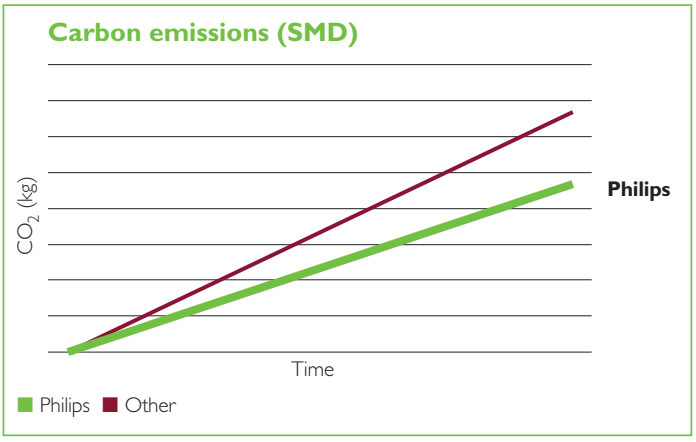
Products					
Model	DA 10-5000 S	DA 12-10000 S	DA 16-10000 S	DA 20-10000 S	DA 24-10000 S
Type	VWL631 S B50 ED	VWL681 S B100 RV	VWL641 S B100 VU	VWL651 S B100 BQ	VWL661 S B100 TP
12NC	915000001891	915000001821	915000001831	915000001841	915000001851
Physical					
Area	0.6912 m^2				
Weight	38 kg/panel	35 kg/panel			
Cabinet	Aluminum				
IP rating	Front IP65/rear IP65				
Picture/ Display					
Pixels W x H (physical)	96 x 72	80 x 60	60 x 45	48 x 36	40 x 30
Pixel pitch (physical)	10.0 mm	12.0 mm	16.0 mm	20.0 mm	24.0 mm
LED type	SMD 3 in 1	Lamp			
LED pixel configuration R:G:B	1:1:1				
Colour resolution	48 bit				
Contrast	10,000:1	20,000:1			
Peak brightness (min)	5,000 cd/m^2 (nit)	10,000 cd/m^2 (nit)			
White point	6,500 K				
Viewing angle (left/right)	150°	160°			
Viewing angle (up/down)	30°/50°	30°/50°	40°/60°	40°/60°	40°/60°
Refresh rate	>800 Hz				
Special features	ASP™, SmoothPix™	ASP™, DPC™, SmoothPix™			
Environmental					
Ambient operatin conditions	Temperature -20° to +50°C, humidity 10% - 95%				
Power					
Typical power consumption	174 VA/m^2	81 VA/m^2			
Peak power consumption	694 VA/m^2	326VA/m^2			
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: Some specifications for special panels may differ from the above.

RoHS Compliant CE FC





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