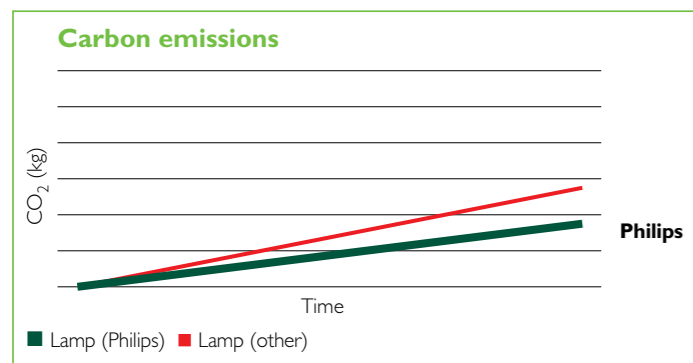


Technical Specifications Philips Vidiwall™ dMesh 24-5000 (per dMesh)

Product Types	
Standard	
Model	dMesh 24-5000
Type	VWS213 016 016 IC BK P024
I2NC	915000001171
Non transparent version	
Model	dMesh 24-5000 NT
Type	VWS213 016 016 IC BK P024 NT
I2NC	915000000771
Curved display version	
Model	dMesh 24-5000 C
Type	VWS213 016 016 IC BK P024 C
I2NC	915000000761
Non transparent, curved display version	
Model	dMesh 24-5000 NTC
Type	VWS213 016 016 IC BK P024 NTC
I2NC	915000000781
Every panel includes:	
1x Data link cable to next panel (0.25 m)	
1x Power link cable to next panel (0.12 m)	
Physical	
Tile dimensions (w x h x d)	384 x 384 x 110 mm
Tile area	0.147 m ²
Weight	3.3 kg (4.5 kg for NT and NTC versions)
Tile material	Aluminum and Lexan
Picture / Display	
Brightness	5,000 cd/m ²
LED type	3 mm oval lamp IR,IG,IB
Picture enhancement	ASP™
Tile resolution physical	16 x 16 pixels
Horizontal viewing angle	120° L50
Vertical viewing angle	-40° / +10° L50
Pixel pitch physical	24.0 mm
Color temperature	6,500 K
Refresh rate	>300 Hz
Gray scale	16 bit
Color resolution	48 bit



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Input Signals	
Tile	Proprietary digital signal from column distributor, or previous tile, by Circular data connector
Column distributor	Single mode fiber from data distributor. Column distributors need to be installed in the top of the screen (the mounting bars support this)
Data distributor	Single mode fiber from remote signal processor
Signal processor	DVI
Video processor (optional)	(HD-)SDI, DVI (scaling)
Resolution information	
Maximum display size	64 panels wide x 40 panels high = 24.58 m x 15.44 m = 1,024 x 640 pixels
Input resolution	1,024 x 768
SP220 output resolution	1,024 x 640
DD312 resolution	512 x 640
DD320 resolution	64 x 384
Screens wider than 32 panels (512 pixels)	Second DD312
Screens higher than 24 panels (384 pixels)	Double amount of DD320's
Environmental	
Operating environment	Outdoor, riggable (for temporary installation) or fixed install on a frame. Rear service.
Operating temperature	-20° to +50°C
Operating humidity range	10% to 95%
Ingress protection front	IP66
Ingress protection back	IP66
LED lifetime	>70,000 hours
Approvals	RoHS compliant, CE approved, FCC
Power	
Mains input	200-240 V AC, 50/60 Hz
Power consumption typica	32 VA
Power consumption maximum	80 VA



save up to 40%

Create spectacular visual effects on your façade

Philips Vidiwall™ dMesh 24-5000, transparent and lightweight outdoor LED display technology

This unique, transparent and lightweight LED display solution is ideal for outdoor media facades with windows. 50% transparency allows you to look through the display from behind the window, while from the front it can create spectacular visual effects.

The display tiles are easy and quick to install, due to self supporting rigging construction, saving on installation cost, whilst the absence of fans and use of the highest quality LEDs keep maintenance costs low. The displays are silent, since there are no fans inside. Create your mesh screen for any outdoor

application with windows, such as hotel façades and office buildings. You determine size and shape as well as content, depending on your target audience. The dMesh display blends in with any façade and follows the contours of your building.

PHILIPS
sense and simplicity

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e-mail: vidiwall@philips.com

Philips Vidiwall™ dMesh 24-5000 transparant LED display technology

- The ideal outdoor infotainment and advertising display solution for your building
- 50% transparency allows you to look outside and lets daylight in
- Lightweight and slim to enable installation to almost any surface
- Top grade, selected, Nichia LEDs for optimum color and brightness uniformity
- Silent – no fans inside



Accessories

SP220 signal processor

Formats DVI, VGA, Composite video or S-Video input signals for transmission to data distributor at display, via single mode fiber cable.

Includes:

- 1x European power cable (1.8 m)
- 1x Single mode fiber cable (2 m)
- 1x DVI cable (1.5 m)
- 1x RS232 cable (2 m)

Dimensions: 482 x 370 x 88 mm

Weight: 5.8 kg

IP rating: IP30 indoor use

Distance to the display: up to 10 km

Type: VWU220 01 – I2NC: 91500000791



DD320 column distributor

Receives incoming digital signal via fiber cable from DD312 data distributor and distributes the signal to up to four columns using RJ45 twisted pair cables.

The DD320 comes with two 20 m long power cables (3 core flying lead, 10 AWG, ~6mm²) attached to the unit for 200 ~ 240V mains power.

Includes:

- 1x Single mode fiber cable (20 m) to DD312
- 1x Single mode fiber cable (10 m) for 2nd DD320
- 2x Data cable to column 1 and 4 (0.8 m)
- 2x Data cable to column 2 and 3 (0.4 m)

Dimensions: 323 x 203 x 184 mm

Weight: 20 kg including power cable

IP rating: IP65 outdoor use

Distance to the top of the display: 0.3 m

Type: VWU320 01 – I2NC: 91500000831



DD312 data distributor

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

Includes:

- 1x European power cable (1.8 m)
- 2x Single mode fiber cable (2 m)

Dimensions: 482 x 370 x 88 mm

Weight: 3 kg

IP rating: IP30 indoor use

Distance to the display: up to 10 km

Type: VWU312 01 – I2NC: 91500000821



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



Special parts

Column bar for 4 columns (optional)

Hanging beam for rigging dMesh panels up to 4 columns of max. 48 panels high. Rigging is only advised for temporary installations.

Dimensions: 1536 x 118 x 98 mm

Weight: 112 kg

Type: VWAS02 04 – I2NC: 915000001271



Column bar for 1 column (optional)

Hanging beam for rigging dMesh panels up to 1 columns of max. 48 panels high. Rigging is only advised for temporary installations.

Dimensions: 384 mm x 118 x 98 mm

Weight: 28 kg

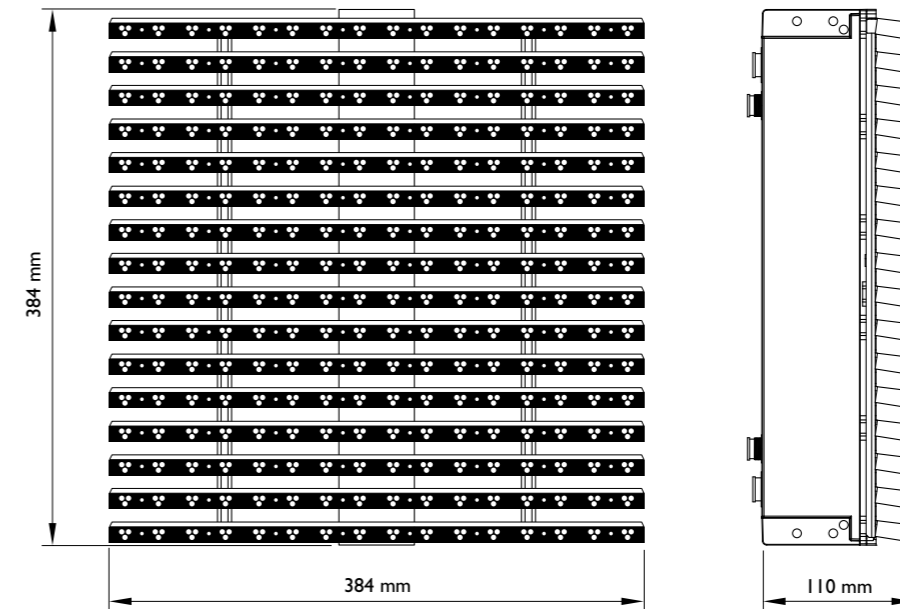
Type: VWAS02 03 – I2NC: 915000001261



1.3 m data cable (optional)

Long version of the 0.4 m and 0.8 m standard data cables to connect rows of panels to the DD320 which are more than 0.8 m from the DD320. You will e.g. need this cable for every column connected to a single column mounting bar.

Type: VWAS02 02 – I2NC: 915000001251



Installation kit (optional)

Additional spare parts to enhance easy installation.

Advised to be ordered for every installation

Includes:

- 1x Data cable (0.8 m)
- 1x Data cable (1.3 m)
- 1x Single mode fiber cable (2 m)
- 1x Single mode fiber cable (20 m)
- 1x 10 AWG (~6mm²) power cable (20 m)
- 1x data link cable (panel to panel) (0.25 m)
- 1x power link cable (panel to panel) (0.12 m)

Type: VWAS02 01 – I2NC: 915000001241

3-phase mains distribution (optional)

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

19" control rack with engineering PC

Type: VWAS02 06 – I2NC: 915000001291

High Contrast

For outdoor applications, contrast is as important as brightness. dMesh creates an outperforming contrast by its integrated louver design. The additional light trap system minimizes reflection of ambient light.

ASP™

Anti-Solarization Processing uses Philips' proprietary 48 bit color processing to completely eliminate disturbing solarization effects commonly seen in dark picture areas of typical LED screens.

Optimum Performance

The precision LED drivers are set for optimum performance of the top grade LEDs to minimize disturbing noise and maximize the lifetime.

Ultra Lightweight

Rugged, 50% transparent, aluminum tiles that keep the weight and wind load of the display to a minimum.

Auto Addressing

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

NT – Non Transparent – option

When contrast is more important than transparency, dMesh offers NT versions where the transparent areas are closed by metal strips. The shape of these strips block light, but allow wind to pass. This optimizes contrast, but keeps wind load to a minimum.

C – Curved – option

dMesh allows to build convex shaped curved displays (384mm faceted) without gaps between the tiles (minimum radius 4 meter). C-type panels have special mechanical features to make curved installation possible.

