

## Add magic to your façade

Creative LED display – Vidiwall™ dMesh 40-5000

dMesh 40-5000 is a 40% transparent led display tile for lightweight and slim installation to virtually any building surface, without losing the sight to the building or the ability to look outside. Front and rear serviceability allows installation almost in any circumstance.

dMesh 40-5000 features curved installation and building corner installation. dMesh is robust with no need for complex structures, allowing the final installation to remain transparent and light in weight.



©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.

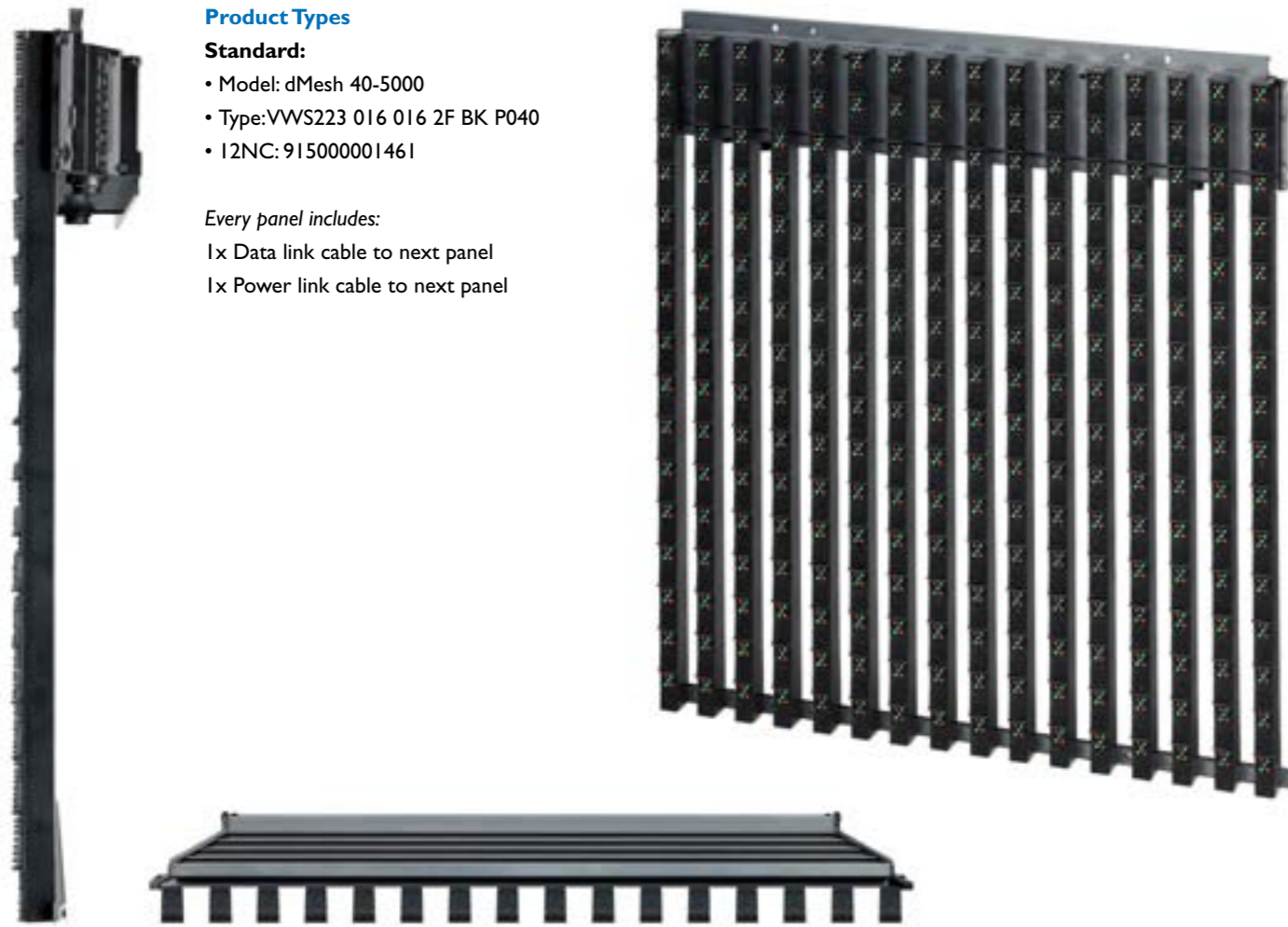
[www.philips.com/vidiwall](http://www.philips.com/vidiwall)

Head Office tel. +31 499 361 111

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

## Creative LED display technology

- The optimal outdoor infotainment and advertising display solution for your building
- 40% transparency allows you to look outside and lets daylight in
- Front and rear serviceable to enable installation to almost any surface
- Top grade, selected, Nichia LEDs for optimum color and brightness uniformity
- Silent – no fans inside



### Product Types

#### Standard:

- Model: dMesh 40-5000
- Type: VWS223 016 016 2F BK P040
- I2NC: 915000001461

#### Every panel includes:

- 1x Data link cable to next panel
- 1x Power link cable to next panel

#### 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.

#### Front Servicability

To allow installation, even on the building surface, dMesh 40-5000 allows front serviceability and installation.

#### Auto Addressing

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

#### Curved Displays

dMesh allows to build convex shaped curved displays (640mm faceted) without gaps between the tiles.

#### 90° angled displays

dMesh allows to displays on building edges up to 90 degrees. The dMesh tiles are designed in such a way that they allow for seamless corner installation.

### Technical specifications

Picture / Display	
Brightness	5000 cd/m <sup>2</sup>
LED type	3 mm oval lamp
Picture enhancement	ASPTM
Tile resolution physical	16 x 16 pixels
Tile resolution addressable	16 x 16 pixels
Horizontal viewing angle	120 (50%)
Vertical viewing angle	-33 / + 17 (50%)
Pixel pitch physical	40.0 mm
Pixel pitch addressable	40.0 mm
Color temperature	6500 K
Refresh rate	> 300 Hz
Gray scale	16 bit
Color resolution	48 bit
Environmental	
Operating environment	outdoor, fixed install. Front and rear servicable
Operating temperature	-20 to +50 C
Operating humidity range	10 to 95 %
Ingress protection front	IP66
Ingress protection back	IP66
LED lifetime	>70000 hours
Approvals	CE, FCC, ROHS
Power	
Mains input	200-240 V AC, 50/60 Hz
Power consumption typical	60 VA
Power consumption maximum	150 VA
Physical	
Tile dimensions (w x h x d)	640 x 640 x 90 mm
Tile area	0.41 m <sup>2</sup>
Weight	9 kg / panel (22 kg / m <sup>2</sup> )
Transparency	55% between LED bars, 40% in total

All specifications are subject to change without prior notice.

