Spectacular experience

Philips Vidiwall™ LED banners, deliver excitement, flexibility and sustainability

Philips Vidiwall™ Indoor and Outdoor LED banners – designed for both field-level and mid-tier display – add that crucial extra dimension of excitement, engagement and showmanship that make a venue “world class”.

The differences in LED display brightness, color uniformity, daylight contrast and pixel reliability can be extreme. If anyone knows this, Philips does. Today, our displays set the industry standard for superb, long-lasting quality in all of these key picture-performance areas. Philips Vidiwall™ LED banners deliver advanced, synchronized effects that “wow” the crowd, and enable direct, interactive communication with spectators. But they can also completely change an arena’s ambience, making it suitable for a wider variety of events.

Philips LED products are the industry benchmark for energy efficiency, so they significantly reduce environmental impact and TCO as well. Lightweight and easy to handle, Philips Vidiwall™ LED banners can be quickly installed and seamlessly integrated as mid-tier displays or around the pitch. Field-level products have special, protective features to maximize player safety. Once in place, they provide an unforgettable, high-quality arena experience that is future-ready for many years to come.

PHILIPS
sense and simplicity
Spectacular arena solutions

Unbeatable quality
Superb, long-lasting brightness, color uniformity, daylight contrast and pixel reliability.

Unforgettable experience
Excites and connects with spectators in ways that make them want to come back again and again.

Technical Specifications Philips Vidiwall™ DS outdoor fascia

<table>
<thead>
<tr>
<th>Products</th>
<th>DS 16-5000 P</th>
<th>DS 16-5000 D</th>
<th>DS 20-5000 P</th>
<th>DS 20-5000 D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>VWL541 P B50 XV</td>
<td>VWL541 D B50 XV</td>
<td>VWL551 P B50 RB</td>
<td>VWL551 D B50 RB</td>
</tr>
<tr>
<td>12NC</td>
<td>915000002321</td>
<td>915000002331</td>
<td>915000001121</td>
<td>915000002341</td>
</tr>
</tbody>
</table>

### Physical

<table>
<thead>
<tr>
<th>Dimensions W x H x D</th>
<th>1600 x 960 x 150 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>1.54 m²</td>
</tr>
<tr>
<td>Weight</td>
<td>65 kg/panel</td>
</tr>
<tr>
<td>Cabinet</td>
<td>Aluminum</td>
</tr>
<tr>
<td>IP rating</td>
<td>IP65 front / IP45 rear</td>
</tr>
</tbody>
</table>

### Picture/Display

<table>
<thead>
<tr>
<th>Pixels (physical) W x H</th>
<th>100 x 60</th>
<th>100 x 60</th>
<th>80 x 48</th>
<th>80 x 48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pixel pitch (physical)</td>
<td>16.0 mm</td>
<td>16.0 mm</td>
<td>20.0 mm</td>
<td>20.0 mm</td>
</tr>
<tr>
<td>LED type</td>
<td>Lamp 3 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED pixel configuration R:G:B</td>
<td>1:1:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour resolution</td>
<td>48 bit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contrast</td>
<td>10000:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak brightness (min)</td>
<td>&gt;5000 cd/m² (nit)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White point</td>
<td>6500 K</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum viewing angle Horizontal</td>
<td>160°</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum viewing angle Up/down</td>
<td>35°/50°</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refresh rate</td>
<td>&gt;350 Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special features</td>
<td>ASP™</td>
<td>ASP™, DPMT™</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Environmental

|Ambient operating conditions| Temperature -20° to +50°C, Humidity 10% - 95% |

### Power

|Peak power consumption | 352 VA/m² | 391 VA/m² | 352 VA/m² | 391 VA/m² |
|Typical power consumption | 88 VA/m² | 98 VA/m² | 88 VA/m² | 98 VA/m² |
|AC mains supply         | 200-240 VAC, 48-65 Hz |
|Approvals               | RoHS, CE, FCC, ETL |
Spectacular arena solutions

Ultimate sustainability
Minimizes energy use, reduces environmental impact and lowers TCO.

Universally applicable
Can be easily and seamlessly integrated around all types of pitches and building contours.

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**Technical Specifications Philips Vidiwall™ DA Tier fascia**

<table>
<thead>
<tr>
<th>Products</th>
<th>Outdoor</th>
<th>Indoor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>DA 16-10000 T</td>
<td>DA 20-10000 T</td>
</tr>
<tr>
<td><strong>Type number</strong></td>
<td>VWL641 T B100 UV</td>
<td>WL651 T B100 QB</td>
</tr>
<tr>
<td><strong>12NC</strong></td>
<td>915000002281</td>
<td>915000002291</td>
</tr>
</tbody>
</table>

**Physical**
- **Dimensions W x H x D**
  - 720 x 960 x 200 mm
  - 960 x 960 x 120 mm
- **Area**
  - 0.69
  - 0.92
- **Weight**
  - 35 kg/panel
  - 35 kg/panel
- **Cabinet**
  - Aluminum
  - Aluminum
- **IP rating**
  - IP65 front / IP65 rear
  - IP30 front / IP30 rear

**Picture/ Display**
- **Pixels (physical) W x H**
  - 45 x 60
  - 36 x 48
  - 80 x 80
  - 60 x 60
- **Pixel pitch (physical)**
  - 16.0 mm
  - 20.0 mm
  - 12.0 mm
  - 16.0 mm
- **LED type**
  - Lamp 3 mm
  - SMD 3 in 1
- **LED pixel configuration R:G:B**
  - 1:1:1
  - 1:1:1
- **Colour resolution**
  - 48 bit
  - 36 bit
- **Contrast**
  - 20000:1
  - 4000:1
- **Peak brightness**
  - 10000 cd/m² (nit)
  - >2000 cd/m² (nit)
- **White point**
  - 6500 K
  - 6500 K
- **Maximum viewing angle Horizontal**
  - 160°
  - 160°
- **Maximum viewing angle Up/down**
  - 40°/60°
  - 80°/80°
- **Refresh rate**
  - >800 Hz
  - >500 Hz
- **Special features**
  - ASP™, DPC™, SmoothPix™
  - SmoothPix™

**Environmental**
- **Ambient operating conditions**
  - Temperature -20° to +50°C, Humidity 10% - 95%
  - Temperature -5° to +40°C, Humidity 10% - 85%

**Power**
- **Peak power consumption**
  - 326 VA/m²
  - 700 VA/m²
- **Typical power consumption**
  - 81 VA/m²
  - 175 VA/m²
- **AC mains supply**
  - 200-240 VAC, 48-65 Hz
  - 200-240 VAC, 48-65 Hz
- **Approvals**
  - RoHS, CE, FCC
  - RoHS, CE, FCC
Philips Vidiwall™ LED Banner features

- Excellent daylight contrast
- Green, highly efficient
- Duplex data flow guarantees uninterrupted operation
- Temperature controlled fans, low audible noise (“T” outdoor versions without fans)
- Auto addressing for fast and easy installation (“P” & “D” versions)

<table>
<thead>
<tr>
<th>DS outdoor fascia</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1600 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>960 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>150 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DA outdoor tier fascia</th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>720 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>960 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>200 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DA indoor tier fascia</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>960 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>960 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>120 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**System components**

**Signal processor**
Formats DVI input signals for transmission to Data distributor, via single mode fiber cable.

**Data distributor**
Receives incoming digital signal via fiber cable from remote signal processor and distributes the signal to the panels.

**Banner software** (optional)
Content management system to drive banners

**System parts**

**External data cable**
Required to connect the distributor to the LED panels.

**External power cable**
Required to connect the mains from the mains. Distribution to the LED 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 mounted engineering PC with LCD monitor, mouse, keyboard and temperature controlled fans.

**Customized supports** (mandatory accessory for pitch side fascia)
Provide stability and may possibly be anchored to the ground.

**Cushioned top covers** (mandatory accessory for pitch side fascia)
Provide player protection in case of impact.

**Optional customized solutions**
Customized accessories or solutions upon request.

**Hanging brackets and bars**
Allows panels to be built into a riggable screen.

**Emergency gate solutions**
For evacuation purposes, a choice of solutions is available to suit customer requirements.

**Trolley**
Allow easy transport of mobile system to local storage on site.

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