

Philips

Video Wall Display

- 46"
- Direct LED Backlight
- Full HD
- 500 cd/m²

BDL4678XL/00

Create the most stunning video walls

with an ultra-narrow bezel display

Wow your audience with the most stunning video wall. With practically zero bezel and stunning full HD picture quality, you're sure to create the most memorable visual experience.

Benefits

Optimised for public viewing

- Full HD LED technology for brilliant images
- AMVA for wide-view super-high contrast, vivid images
- Bezel-less design for stunning video walls

High picture and video quality

- Advanced Colour Calibration

Operational flexibility

- Smart Control Software Suite
- Open Pluggable Specification Slot
- IR Pass-through
- Keep your content up and running with FailOver
- Designed for 24/7 operation
- Portrait mode operability

Lower total cost of ownership

- SmartPower for energy saving

Features

Full HD LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content, which allows for eco-friendly recycling and disposal process. LED's allow for better dimming

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control of the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.

AMVA Display Technology

Philips AMVA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard applications are handled with ease, it is especially suitable for graphical demanding applications. Its optimised pixel management technology gives you a 178/178 degree extra-wide viewing angle, resulting in crisp images even in portrait mode.

Bezel-less design

Create the most stunning video walls with zero-bezel displays. Configurable in a formation of up to 5 x 5 displays, and with some of the narrowest mullions in the industry. You will hardly notice the gap between the pictures, giving you the most incredible and memorable visual experience.

Advanced Colour Calibration

Ensure a uniform colour across all displays installed in your network thanks to our advanced colour calibration tool. This tool will automatically adjust all displays in your signage application to ensure the ultimate in colour consistency to give your audience the most memorable visual experience.

Smart Control

Control and manage all of the signage displays on your network with this powerful software tool, which allows you to change the settings of your display centrally via an RJ45 or RS232 connection. Smart Control allows you to set the video input, modify the colour settings, set the display's ID when creating video walls and even diagnose each display's status, giving you all the power you need to manage your displays from one central location.

OPS Slot

Developed for the Digital Signage market, the Open Pluggable Specification (OPS) slot is designed to make changing or upgrading your media player mere child's play. Simply plug your media player in to the display and you're ready. No matter whether you have an entry level, mid-range or high-end media player, OPS is fully compatible bringing you a lower TCO over the longer term.

IR Pass-through

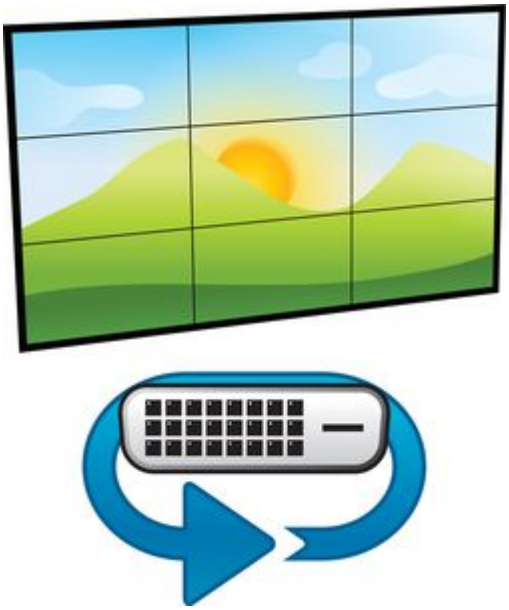
Control all displays in your signage network through one single remote control, via the primary display. Simple and convenient, this means you don't have to worry about other displays changing configuration settings when using your remote control unit.

FailOver



Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster, FailOver provides 24/7 protection with a revolutionary technology that plays back-up content on screen in the event of a media player failure. FailOver automatically kicks in when the primary input fails. Simply select a primary input connection and a FailOver connection and you're ready for instant protection.

Designed for 24/7 operation



Because business never sleeps, our signage displays are designed for 24/7 use. Taking advantage of superior components to ensure a higher level of quality, you can count on this range of models for complete around-the-clock reliability.

Portrait mounting possible

This display can also be safely and reliably mounted in portrait position.

SmartPower



The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

Diagonal screen size (metric)	117 cm
Diagonal screen size (inch)	46 inch
Panel resolution	1920 x 1080p
Optimum resolution	1920 x 1080p @ 60 Hz

Brightness	500 cd/m²
Contrast ratio (typical)	3500:1
Aspect ratio	16:9
Response time (typical)	8 ms
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Pixel pitch	0.53 x 0.53 mm
Display colours	16.7 million
Surface treatment	Anti-Glare coating
Picture enhancement	3/2 - 2/2 motion pull down 3D Combfilter 3D MA deinterlacing Dynamic contrast enhancement

Connectivity

Video input	Component (BNC) CVBS DisplayPort DVI-D HDMI VGA (Analogue D-Sub)
Video output	DVI-D VGA (via DVI-D)
Audio input	3.5-mm jack Audio Left/Right (RCA)
Audio output	Audio Left/Right (RCA) External speaker connector
External control	IR (in/out) 3.5 mm jack RJ45 RS232C (in/out) D-Sub9
Other connections	OPS

Supported Display Resolution

Computer formats	640 x 480, 60, 67, 72, 75 Hz 800 x 600, 60, 72, 75 Hz 1024 x 768, 60 Hz 1280 x 768, 60 Hz 1280 x 800, 60 Hz 1280 x 1024, 60 Hz 1360 x 768, 60 Hz 1366 x 768, 60 Hz 1440 x 900, 60 Hz 1600 x 1200, 60 Hz 1920 x 1080, 60 Hz 1920 x 1200, 60 Hz
Video formats	480i, 60 Hz 480p, 60 Hz 576p, 50 Hz 576i, 50 Hz 720p, 50, 60 Hz 1080i, 50, 60 Hz 1080p, 50, 60 Hz

Dimensions

Bezel width (L/T, R/B)	3.8 mm, 1.9 mm
Set Width	1023.98 mm
Set Height	578.57 mm
Set Depth	125.7 mm
Set Width (inch)	40.31 inch
Set Height (inch)	22.78 inch
Set Depth (inch)	4.95 inch
Product weight	23 kg
Product weight (lb)	50.6 lbs
VESA Mount	400 x 200 mm, 200 x 200 mm

Convenience

Placement	Portrait Landscape
Tiled Matrix	Up to 5 x 5
Signal Loop Through	DVI RS232 IR Loop through
Network controllable	RS232 RJ45
Picture performance	Advanced colour control
Screen-saving functions	Pixel shift, Low bright
Energy-saving functions	Smart Power
Picture in picture	PIP
Remote control signal	Lockable
Keyboard control	Hidden Lockable
Safety control functions	Heat Control Temperature Sensor
Other convenience	Carrying handles Kensington lock
Packaging	Reusable box

Power

Power Saving Features	Smart Power
Mains power	90 ~ 240 VAC, 50/60 Hz
Consumption (On mode)	95 W (EnergyStar 6.0 test method)
Standby power consumption	<0.5 W

Operating conditions

Temperature range (operation)	0 ~ 40 °C
Temperature range (storage)	-20 ~ 60 °C
Relative humidity	20 ~ 80 %
MTBF	50,000 hour(s)

Sound

Built-in speakers	2 x 10 W

Accessories

Included accessories	Quick start guide User manual on CD-ROM Remote Control Batteries for remote control AC Power Cord VGA cable RS232 cable IR sensor cable (1.8 M) IR cable 3.5-mm Jack (1.8 M) Edge alignment pins Edge alignment plates
Optional accessories	Edge finishing kit Colour calibration kit
Stand	BM05462 (Optional)

Miscellaneous

On-Screen Display Languages	English French German Spanish Polish Russian Turkish Italian Simplified Chinese Traditional Chinese
Regulatory approvals	CE UL/cUL CCC C-Tick RoHS GOST CB EPEAT BSMI FCC, Class A
Warranty	3-year warranty



data subject to change
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