Philips Signage Solutions
Video Wall Display

46"
Direct LED Backlight
Full HD
500 cd/m²

SignageSolutions

BDL4678XL




# 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.

### 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

PHILIPS

Video Wall Display
46" Direct LED Backlight, Full HD, 500 cd/m²

BDL4678XL/00

# Highlights

### 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 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.



Video Wall Display
46" Direct LED Backlight, Full HD, 500 cd/m²

BDL4678XL/00

# Specifications

## Picture/Display
- Diagonal screen size: 46 inch / 117 cm
- 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 (H / V): 178 / 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

| Resolution | Refresh rate |
|---|---|
| 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

| Resolution | Refresh rate |
|---|---|
| 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 dimensions (W x H x D): 1023.98 x 578.57 x 125.7 mm
- Set dimensions in inch (W x H x D): 40.31 x 22.78 x 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

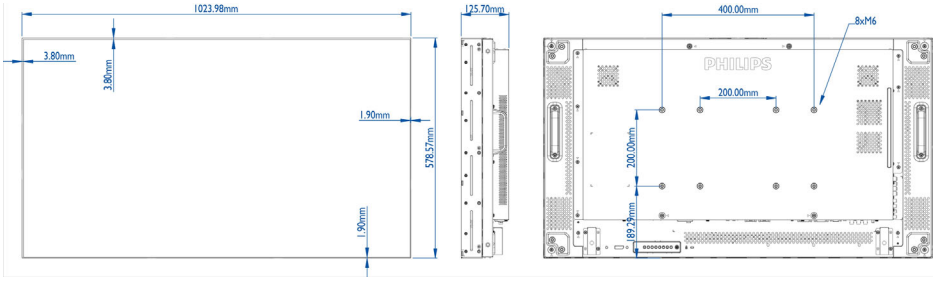
## Power
- Power Saving Features: Smart Power
- Mains power: 90 ~ 240 VAC, 50/60 Hz
- Consumption (On mode): 95 W (EnergyStar 6.0 test method)
- Standby power consumption: <0.5 W

## 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




Issue date 2015-05-20
Version: 1.1.1
12 NC: 8670 001 14467
EAN: 87 12581 72028 5

© 2015 Koninklijke Philips N.V.
All Rights reserved.
Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

www.philips.com