

Philips Signage Solutions  
Video Wall Display

46"

Direct LED Backlight  
Full HD  
700 cd/m<sup>2</sup>

BDL4677XH



## Create the most stunning video walls

with this LED zero-bezel display

Create the most mesmerising video walls with our range of video wall models. With practically zero bezel and stunning full HD picture quality, you're sure to create the most memorable visual experience.

### Lower total cost of ownership

- SmartPower for energy saving

### Optimised for public viewing

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

### High picture and video quality

- Advanced Colour Calibration

### Operational flexibility

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

# PHILIPS

# 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.

## High brightness

Enjoy a clearer image in areas with greater ambient brightness thanks to the 700 nit panel. Your audience can enjoy better image quality in locations that are away from direct sunlight, yet still brighter than average, optimising the viewing experience.

## 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.

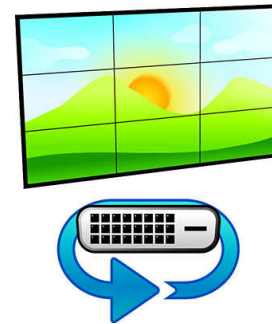
## FailOver



Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster,

FailOver provides content 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

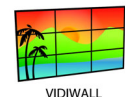


Because business never sleeps, our signage displays are designed for 24/7 use. Taking advantage of superior components to ensure a higher level of quality, you can count on this range of models for complete around-the-clock reliability.

## 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

## Connectivity

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

## Picture/Display

- Diagonal screen size (metric): 117 cm
- Diagonal screen size (inch): 46 inch
- Aspect ratio: 16:9
- Panel resolution: 1920 x 1080p
- Pixel pitch: 0.53 x 0.53 mm
- Optimum resolution: 1920 x 1080p @ 60 Hz
- Brightness: 700 cd/m<sup>2</sup>
- Display colours: 16.7 million
- Contrast ratio (typical): 3500:1
- Response time (typical): 8 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Dynamic contrast enhancement
- Surface treatment: Anti-Glare coating

## Convenience

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

## Sound

- Built-in speakers: 2 x 10 W

## Power

- Mains power: 90 ~ 240 VAC, 50/60 Hz
- Consumption (On mode): 100 W (EnergyStar 6.0 test method)
- Standby power consumption: <math>\leq 0.5\text{ W}</math>
- Power Saving Features: Smart Power

## Supported Display Resolution

- Computer formats: 640 x 480, 60, 67, 72, 75 Hz, 800 x 600, 56, 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

- Set Width: 1023.98 mm
- Product weight: 23 kg
- Set Height: 578.57 mm
- Set Depth: 108.10 mm
- Wall Mount: 400 x 200 mm, 200 x 200 mm
- Bezel width (L/T, R/B): 3.8 mm, 1.9 mm

## Operating conditions

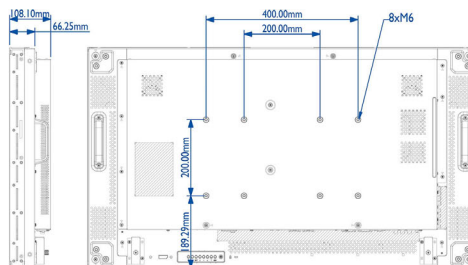
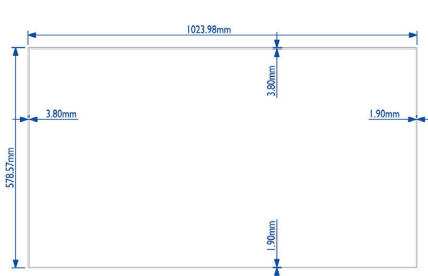
- Temperature range (operation): 0 ~ 40 °C
- MTBF: 50,000 hour(s)
- Relative humidity: 20 ~ 80 %
- Temperature range (storage): -20 ~ 60 °C

## 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), Edge alignment pins, Edge alignment plates
- Optional accessories: Colour calibration kit, Edge finishing kit
- Stand: BM05462 (Optional)

## Miscellaneous

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



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