

**Philips**

Q-Line Display

- 46"
- Edge LED Backlight
- Full HD

BDL4620QL/00

# Intensify your signage experience

## with priceless smart performance

Deliver startlingly clear images in a more eco-friendly way with the edge LED display. High on performance and reliability, yet low on power consumption, it is ideal for projects where no compromise is accepted.

### Benefits

#### Optimised for public viewing

- Full HD LED technology for brilliant images
- AMVA for wide-view super-high contrast, vivid images

#### Operational flexibility

- Smart Control Software Suite
- Featuring HTML5 Opera browser optimised for digital signage
- Connect your display and start sharing with DLNA
- USB Media Playback
- Schedule what you want, when you want

#### Lower total cost of ownership

- SmartPower for energy saving
- Power consumption below the industry average

#### Sustainable and safe

- Complies with RoHS standards of care for the environment
- 3-year warranty

### 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 control of the LCD backlight, resulting in a super high contrast ratio. It also

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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.

### 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.

### Share and Stream with DLNA

Simply share and stream content from your mobile device or media player to your display with all DLNA compliant media devices. Connect each display with an ethernet cable and manage your content in real time within your local network. Simply connect your display and start sharing.

### USB Playback

Enjoy your own media playback via the USB port. Simply plug in a USB drive and create your own signage content to convey the marketing messages you want, when you want them. With a wide range of media formats supported, this powerful media player offers an excellent picture and true flexibility.

### 24-hour scheduling function

You can freely schedule the right content at the right time to satisfy your customer information needs. Mix and manage your content over multiple video input signals such as USB, VGA, DVI and HDMI. Simply create one or more playlists with the scheduling function to be in control of your content 24 hours a day, 7 days a week.

### 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.

### Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

## 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) | 116.8 cm |
| Diagonal screen size (inch) | 46 inch |
| Panel resolution | 1920 x 1080p |
| Optimum resolution | 1920 x 1080 @ 60 Hz |
| Brightness | 350 cd/m² |
| Contrast ratio (typical) | 4000:1 |
| Response time (typical) | 8 ms |
| Aspect ratio | 16:9 |
| Viewing angle (horizontal) | 178 degree |
| Viewing angle (vertical) | 178 degree |
| Pixel pitch | 0.18 x 0.53 mm |
| Display colours | 16.7 Million |
| Surface treatment | Anti-Glare coating |
| Picture enhancement | 3/2 - 2/2 motion pull down<br>3D Combfilter<br>Motion compens. deinterlacing<br>Progressive scan<br>3D MA deinterlacing<br>Dynamic contrast enhancement |

### Supported Display Resolution

| | |
|---|---|
| Computer formats | 640 x 480, 60, 67, 72, 75 Hz<br>800 x 600, 56, 60, 72, 75 Hz<br>1024 x 768, 60 Hz<br>1280 x 768, 60 Hz<br>1280 x 800, 60 Hz<br>1360 x 768, 60 Hz<br>1366 x 768, 60 Hz<br>1440 x 900, 60 Hz<br>1600 x 1200, 60 Hz<br>1920 x 1080, 60 Hz<br>1920 x 1200, 60 Hz |
| Video formats | 480i, 60 Hz<br>480p, 60 Hz<br>576p, 50 Hz<br>576i, 50 Hz<br>720p, 50, 60 Hz<br>1080i, 50, 60 Hz<br>1080p, 50, 60 Hz |

### Connectivity

| | |
|---|---|
| Video input | DVI-D<br>HDMI<br>VGA (Analogue D-Sub)<br>USB<br>Component (RCA)<br>Composite (RCA) |
| Audio input | 3.5-mm jack<br>Audio Left/Right (RCA) |
| Audio output | SPDIF<br>Audio Left/Right (RCA) |
| External control | RJ45<br>RS232C (in/out) 2.5 mm jack<br>IR (in/out) 3.5 mm jack |

### Convenience

| | |
|---|---|
| Screen-saving functions | Pixel Shift, Low Brightness |
| Keyboard control | Hidden |
| Network controllable | RS232 |
| Signal Loop Through | RS232 |

### Dimensions

| | |
|---|---|
| Set Width | 1068.0 mm |

| | |
|---|---|
| Set Height | 622.5 mm |
| Set Depth | 38.8 mm |
| Bezel width | 22 mm |
| Product weight | 13.7 kg |
| VESA Mount | 400 x 400 mm |
| Box width | 1164.0 mm |
| Box height | 768.0 mm |
| Box depth | 148.0 mm |
| Weight incl. Packaging | 17.2 kg |

## Operating conditions

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

## Power

| | |
|---|---|
| Mains power | 100 ~ 240 VAC |
| Consumption (On mode) | 60 W (EnergyStar 6.0 test method) |
| Standby power consumption | <0.5 W |

## Sound

| | |
|---|---|
| Built-in speakers | 2 x 7W RMS |

## Accessories

| | |
|---|---|
| Included accessories | AC Power Cord<br>RS232 cable<br>VGA cable<br>Remote Control<br>Batteries for remote control<br>User manual on CD-ROM<br>Quick start guide |
| Stand | BM02542 |

## Multimedia Applications

| | |
|---|---|
| USB Playback Video | 3G2<br>3GP<br>ASF<br>ASX<br>AVI<br>DAT<br>DivX<br>F4V<br>FLV<br>M2TS<br>M4V<br>MK3D<br>MKV<br>MOV<br>MP4<br>MPE<br>MPEG<br>MPG<br>MTS<br>QT<br>TRP<br>TS<br>TTS<br>VOB<br>WEBM<br>WMV<br>Xvid |
| USB Playback Picture | BMP<br>GIF<br>JPEG<br>JPG |
| USB Playback Audio | AAC<br>AC3<br>AIF<br>AIFF<br>AMR<br>EC3<br>M4A<br>MP3<br>OGA<br>OGG<br>WAV<br>WMA |

## Miscellaneous

| | |
|---|---|
| Warranty | Global: 3 years |
| On-Screen Display Languages | English<br>French<br>German<br>Italian<br>Polish<br>Russian<br>Spanish<br>Turkish<br>Simplified Chinese<br>Traditional Chinese |
| Regulatory approvals | CE<br>FCC, Class B<br>CCC<br>RoHS<br>UL/cUL<br>C-Tick<br>BSMI<br>CB<br>GOST |

data subject to change
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