Philips
E-Line Display

46"
Edge LED Backlight
Full HD

BDL4650EL



Deliver your marketing messages in style

with this sleek LED display

Maximising your content delivery whilst lowering your TCO has never been so easy or stunning. This 46" display offers gorgeous full HD picture quality with lower power consumption thanks to the edge LED backlight.

Optimised for public viewing
- Full HD LCD display, 1920 x 1080p

Lower total cost of ownership
- SmartPower for energy saving

Operational flexibility
- Edge LED Backlight
- Portrait mode operability
- Smart Control Software Suite
- Smart insert in the back cover to place a small PC
- Keep your content up and running with Failover
- IR Pass-through
- Enhanced zoom feature supports tiled matrix applications
- Display Port for faster graphics support
- Remote Management and Configuration via RS232
- Designed for 24/7 operation

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Highlights

Edge LED Backlight
Experience an even dispersion of light with cutting edge LED technology. White LED's (light emitting diodes) are positioned around the rim of the panel to give a more even spread of light. This results in even lower power consumption, less heat to dissipate and a true, uniform colour range.

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.

Smart Insert
Professional PCs are part of most public signage installations. Quite often they increase the overall depth of the display and cause a lot of cable clutter. So we have designed this display with Smart insert in the back cover, which is ideal for the integration of a professional small form factor PC. On top of that, the cable management system offers a great solution to keep your cables neat and professional-looking.

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.

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.

Zoom function for tiled matrix
The internal zoom function enables easy implementation of a video wall matrix, without the need for expensive external equipment. Capable of many different configurations, creating a stunning video wall has become simplicity itself.

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.

Display Port
Enjoy crystal-clear images with the high-bandwidth graphics support of the Display Port. As well as transmitting full high-definition video, the Display Port will also transmit audio, thus, eliminating the need for extra cables.



















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46" Edge LED Backlight, Full HD

BDL4650EL/00

Specifications

Picture/Display
- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 4000:1
- Aspect ratio: 16:9
- Response time (typical): 6.5 ms
- Pixel pitch: 0.17675 x 0.53025 mm
- Display colours: 1.07 billion
- Viewing Angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Dynamic contrast enhancement

Connectivity
- PC: RJ45, VGA-in D-Sub 15HD, VGA-out (via DVI-I), RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: DVI-D x 1, Component (BNC) x 1, Composite (BNC) x 1
- Other connections: Display Port, DVI Out, HDMI, AC-out, IR out, External loudspeaker connector
- AV output: Audio (L/R) x 1

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1920 x 1200	60 Hz
1920 x 1080	60 Hz
1600 x 1200	60 Hz
1440 x 900	60 Hz
1366 x 768	60 Hz
1360 x 768	60 Hz
1280 x 1024	60 Hz
1280 x 800	60 Hz
1280 x 768	60 Hz
1024 x 768	60 Hz
800 x 600	60, 72, 75 Hz
640 x 480	60, 67, 72, 75 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
- Set dimensions (W x H x D): 1052.7 x 607.3 x 69 mm
- Bezel width: 15.8 mm
- Product weight: 22 kg
- VESA Mount: 400 x 400 mm, 400 x 200 mm, 200 x 200 mm
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm

Convenience
- Signal Loop Through: DVI, VGA, RS232, IR Loop through
- Network controllable: RJ45, RS232, HDMI (One Wire)
- Placement: Landscape, Portrait
- Picture in picture: PBP, PIP, POP
- Energy-saving functions: Smart Power
- Ease of installation: Smart Insert, AC Out
- Keyboard control: Hidden, Lockable
- Other convenience: Carrying handles
- Packaging: Reusable box
- Tiled Matrix: Up to 5 x 5

Power
- Consumption (On mode): 66.89 W (EnergyStar 6.0 test method)
- Standby power consumption: <0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz

Sound
- Built-in speakers: 2 x 10 W RMS

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 80 %
- Altitude: 0 ~ 3000 m
- MTBF: 60,000 hour(s)

Accessories
- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide
- Stand: BM05462 (Optional)

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

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