



## Philips

### E-Line Display

- 42"
- Edge LED Backlight
- Full HD

BDL4250EL/00

# 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 42" display offers gorgeous full HD picture quality with lower power consumption thanks to the edge LED backlight.

## Benefits

### Optimised for public viewing

- Full HD LED technology for brilliant images
- IPS wide view technology for image and colour accuracy

### Lower total cost of ownership

- SmartPower for energy saving

### Operational flexibility

- Smart Control Software Suite
- Keep your content up and running with FailOver

- Designed for 24/7 operation
- Smart insert in the back cover to place a small PC
- Portrait mode operability
- Enhanced zoom feature supports tiled matrix applications
- IR Pass-through
- Many Functions. One Wire
- Remote Management and Configuration via RS232

## Features

### IPS Display Technology

Philips IPS displays uses an advanced technology, which gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in portrait mode. IPS displays give you remarkably

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crisp images with vivid colours, particularly suitable for professional video wall and menu board applications, which demand colour accuracy and consistent brightness at all times.

### 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.

### 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.

### 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.

### 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.

### One Wire

Take full control of your display by running all operational commands, as well as your video signal, through just one single HDMI cable. This unique feature makes it so much easier and more convenient to ensure the smooth running and maintenance of your display. Consumer Electronics Control (CEC) commands make finding out vital information about your display absolute child's play.

## 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 (inch)	42.02 inch
Diagonal screen size (metric)	106.73 cm
Panel resolution	1920 x 1080p
Optimum resolution	1920 x 1080 @ 60 Hz
Brightness	450 cd/m <sup>2</sup>
Contrast ratio (typical)	1300:1
Dynamic contrast ratio	500,000:1
Aspect ratio	16:9
Response time (typical)	12 ms
Pixel pitch	0.4845 x 0.4845 mm
Display colours	1.07 billion
Surface treatment	Anti-Glare coating
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Picture enhancement	3/2 - 2/2 motion pull down 3D Combfilter Motion compens. deinterlacing 3D MA deinterlacing Dynamic contrast enhancement

Other connections	Component (BNC) x 1
	Composite (BNC) x 1
	Display Port
	DVI Out
	HDMI
	AC-out
AV output	IR out
	External loudspeaker connector
	Audio (L/R) x 1

### Supported Display Resolution

Computer formats	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	480i, 60 Hz
		480p, 60 Hz
576p, 50 Hz		
576i, 50 Hz		
720p, 50, 60 Hz		
1080i, 50, 60 Hz		
1080p, 50, 60 Hz		

### Connectivity

PC	RJ45
	VGA-in D-Sub 15HD
	VGA-out (via DVI-I)
	RS232 D-Sub9
	RS232 D-sub9 output
AV input	3.5 mm PC audio input x 1
	DVI-D x 1

### Dimensions

Set Width	965.8 mm
Set Height	558.8 mm
Set Depth	69 mm
Bezel width	15.8 mm

Product weight 18.3 kg  
VESA Mount 400 x 200 mm, 200 x 200 mm  
Smart Insert mount 100 x 100 mm, 100 x 200 mm

#### Convenience

Signal Loop Through DVI  
RS232  
IR Loop through  
VGA

Network controllable RJ45  
RS232  
HDMI (One Wire)

Placement Landscape  
Portrait

Picture in picture PBP  
PIP  
POP

Energy-saving functions Smart Power

Ease of installation AC Out  
Carrying Handles  
Smart Insert

Keyboard control Hidden  
Lockable

Other convenience Carrying handles

Packaging Reusable box

Tiled Matrix Up to 5 x 5

#### Power

Consumption (On mode) 81.98 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  
BM05462 (Optional)

Stand

#### 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



data subject to change  
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