

Philips
LED Display

140 cm (55")

edge LED
Full HD

BDL5531EL



Enthral your audience

with the narrow bezel, full HD LED display

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.

Operational flexibility

- Edge LED Backlight
- 120 Hz Panel
- Smart insert in the back cover to place a small PC
- VGA Loop through
- Enhanced zoom feature supports tiled matrix applications

Lower total cost of ownership

- SmartPower for energy saving
- Brightness automatically adjusts with ambient conditions
- Advanced anti-image sticking function

Optimised for public viewing

- Full HD LCD display, 1920 x 1080p

Sustainable and safe

- Temperature sensor measures the health condition
- Complies with RoHS standards of care for the environment

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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.

120 Hz Panel

Enjoy stunningly clear video images thanks to the 120 Hz panel. Even fast moving action scenes can be seen without being blurred, which will enhance your viewing experience.

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.

Advanced anti-image sticking

Static images left on-screen for extended periods of time may leave a "ghost image" or image sticking effect on LCD displays. Although image sticking on LCD displays is not

permanent, you want to prevent this happening, especially in locations where content is shown 24/7.

Automatic brightness control

The adjustment of display settings to correspond with ambient light without user intervention.

Full HD LCD display 1920 x 1080p

This display has a resolution that is referred to as Full HD. The state-of-the-art LCD screen technology has the full high definition widescreen resolution of 1080 progressive lines, each with 1920 pixels. This allows the best possible picture quality for HD input signals with up to 1080 lines. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colours. This vibrant and sharp image will provide you with an enhanced viewing experience.

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.

Temperature sensor

This public display contains a temperature sensor to monitor the internal health condition. If the internal temperature exceeds the pre-set threshold, two internal fans will be automatically activated to cool down the display to normal conditions.

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.

VGA Loop through

Connect multiple displays to create a video wall of up to 150 displays via a VGA daisy chain thus enhancing your visual experience. With no additional hardware required, they are as simple to install as they are captivating to your audience.



Specifications

Picture/Display

- Diagonal screen size: 54.6 inch / 138.6 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Contrast ratio (typical): 1300:1
- Response time (typical): 12 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.21 x 0.63 mm
- Display colours: 1.06 Billion
- Display technology: 120 Hz Panel
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

Supported Display Resolution

• Computer formats

Resolution	Refresh rate
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
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

Connectivity

- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, DVI-D x 1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: HDMI x 1, Audio (L/R) x 2, Composite (BNC) x 1, Component RCA, S-video x 1

Convenience

- Placement: Portrait, Landscape
- Tiled Matrix: Up to 5 x 5
- Screen-saving functions: Pixel Shift, Low Brightness
- Signal Loop Through:: RS232, VGA
- Keyboard control:: Hidden, Lockable
- Remote control signal:: Lockable
- Ease of installation: AC Out, Carrying Handles, Smart Insert
- Energy-saving functions:: Ambient light sensor, Smart Power
- Safety control functions:: Heat Control, Temperature Sensor
- Packaging:: Reusable box
- Network controllable: RS232
- Picture in picture:: PIP

Dimensions

- Bezel thickness: 24.6 mm/0.95"
- Set dimensions (W x H x D): 1259.8 x 732.1 x 59 mm
- Set dimensions in inch (W x H x D): 49.6 x 28.8 x 2.2 inch
- VESA Mount: 200 x 400 mm

Operating conditions

- Temperature range (operation): 0 - 40 °C
- Relative humidity: 5 - 90 %
- MTBF: 60,000 hour(s)

Power

- Consumption (On mode): 138 W
- Standby power consumption: <1 W

Sound

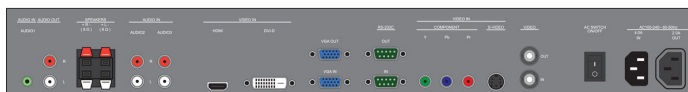
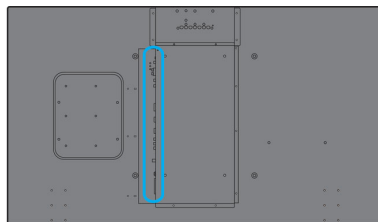
- Built-in speakers: 2 x 12 W RMS

Accessories

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

Miscellaneous

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



Issue date 2019-05-09

Version: 1.1.1

12 NC: 8670 000 95161
EAN: 87 12581 65999 8

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