



LCD monitor with PowerSensor

- B Line
- 24 (23.8" / 60.5 cm diag.)
- Full HD (1920 x 1080)

241B7QPTEB/27

## Crisp views, efficient performance

with PowerSensor

The Philips PowerSensor display using 85% post consumer recycled plastics and PVC, BFR free housing is ideal for eco-friendly productivity

### Benefits

#### Brilliant performance

- IPS technology for full colors and wide viewing angles
- Narrow border display for a seamless appearance
- SmartImage presets for easy optimized image settings

#### Designed for comfortable productivity

- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- SmartErgoBase enables people-friendly ergonomic adjustments

#### Features for the way you work

- Built-in stereo speakers for multimedia
- USB 3.0 enables fast data transfers and smart phone charging
- DisplayPort-out for connecting additional displays
- SmartConnect with DisplayPort, HDMI and VGA connections

#### Sustainable Eco-design

- PowerSensor saves up to 80% energy costs

**PHILIPS**

## Features

### IPS technology



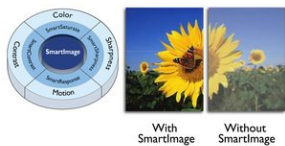
IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

### UltraNarrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

### SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

### LowBlue Mode



Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

### Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

### SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

### Built-in stereo speakers

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

### USB 3.0 super speed

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the latest global standard allowing you to use the large capacity storage devices. Sync-N-Go technology ensures you don't have to wait anymore for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backward compatible.

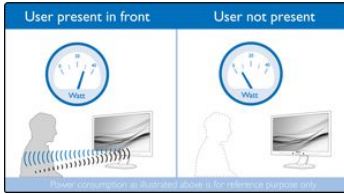
### DisplayPort-out

With DisplayPort-out you can connect multiple high resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to create a clean desktop without the hassle of too many wires all over.

### SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB connections ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

## PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

## 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

LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	23.8 inch / 60.5 cm
Effective viewing area	527 (H) x 296.5 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60Hz
Response time (typical)	5 ms (Gray to Gray)*
Brightness	250 cd/m <sup>2</sup>
Contrast ratio (typical)	1000:1
SmartContrast	20,000,000:1
Pixel pitch	0.275 x 0.275 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage
Display colors	16.7M
Scanning Frequency sRGB	30 - 83 kHz (H) / 56 - 76 Hz (V) Yes

### Connectivity

Signal Input	VGA (Analog ) DisplayPort 1.2 mini DisplayPort 1.2 x 1 HDMI 1.4
Signal Output	DisplayPort out
Sync Input	Separate Sync Sync on Green
USB	USB 3.0x4 (1 w/fast charging)*
Audio (In/Out)	PC audio-in Headphone out

### Convenience

Built-in Speakers	2 W x 2
User convenience	SmartImage Input PowerSensor Menu Power On/Off Low Blue Mode
Control software	SmartControl
OSD Languages	Brazil Portuguese Czech Dutch English Finnish French German Greek Hungarian Italian Japanese Korean Polish Portuguese Russian

Simplified Chinese
Spanish
Swedish
Traditional Chinese
Turkish
Ukrainian
Kensington lock
VESA mount (100x100mm)
DDC/CI
Mac OS X
sRGB
Windows 10 / 8.1 / 8 / 7

### Other convenience

### Plug & Play Compatibility

### Stand

Height adjustment	150 mm
Pivot	90 degree
Swivel	-175/175 degree
Tilt	-5/30 degree

### Power

ECO mode	10.2 W (typ.)
On mode	14.4 W (typ.) (EnergyStar 7.0 test method)
Standby mode	<0.3 W (typ.)
Off mode	Zero watts with Zero switch
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	Built-in 100-240VAC, 50-60Hz

### Dimensions

Product with stand(max height)	541 x 527 x 257 mm
Product with stand(max height)	21.3 x 20.7 x 10.1 inch
Product without stand (mm)	541 x 332 x 57 mm
Product without stand in inch	21.3 x 13.1 x 2.2 inch
Packaging in mm (WxHxD)	603 x 492 x 224 mm
Packaging in inch (WxHxD)	23.7 x 19.4 x 8.8 inch

### Weight

Product with stand (kg)	6.07 kg
Product with stand (lb)	13.35 lb
Product without stand (kg)	3.64 kg
Product without stand (lb)	8.01 lb
Product with packaging (kg)	8.78 kg
Product with packaging (lb)	19.32 lb

### Operating conditions

Temperature range (operation)	0°C to 40°C °C
Temperature range (storage)	-20°C to 60°C °C
Relative humidity	20%-80 %
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
MTBF (demonstrated)	70,000 hrs (excluded backlight)

### Sustainability

Environmental and energy	PowerSensor EnergyStar 7.0 EPEAT Gold* TCO edge RoHS
Recyclable packaging material	100 %
Post consumer recycled plastic	85%
Specific Substances	PVC / BFR free housing Mercury free

Lead free

### Compliance and standards

Regulatory Approvals	CE Mark FCC Class B SEMKO cETLus CU-EAC TCO edge TUV Ergo TUV/GS EPA WEEE ICES-003 UKRAINIAN
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### Cabinet

Front bezel	Black
Rear cover	Black
Foot	Black
Finish	Texture

\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

\* EPEAT Gold or Silver is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.

\* Fast charging complies with USB BC 1.2 standard

\* Response time value equal to SmartResponse



data subject to change  
2018, October 21

Version: 1.0.1  
UPC: 609585251472

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