



Philips Brilliance  
IPS LCD monitor, LED  
backlight

**P Line**  
23" (58.4 cm)  
Full HD IPS display

**235PQ2EB**

## Sustainable eco design display

with PowerSensor saves energy bills

The Philips PowerSensor IPS LED display using 65% recycled plastic and PVC, BFR free housing is ideal for eco-friendly productivity

### **Brilliant performance**

- Built-in stereo speakers for multimedia
- IPS LED wide view technology for image and color accuracy
- DisplayPort offers audio and video over a single, long cable

### **Designed for people**

- Low bezel-to-table height for maximum reading comfort
- SmartErgoBase enables people-friendly ergonomic adjustments

### **Sustainable Eco-design**

- PVC-BFR free housing
- 65% post consumer recycled plastics with TCO Edge
- PowerSensor saves up to 80% energy costs
- EPEAT Gold ensures lowest impact on environment

### **Easy to experience**

- USB port for convenient peripheral connections
- SmartImage presets for easy optimized image settings

# PHILIPS

# Highlights

## PowerSensor



PowerSensor On

PowerSensor Off

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

## IPS technology



IPS

TN

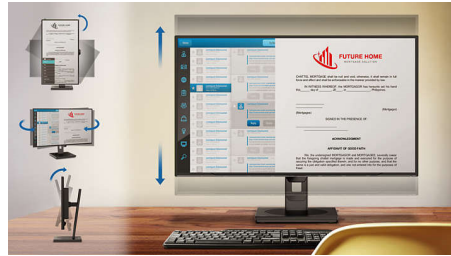
IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal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

## DisplayPort

DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high

performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

## SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

## USB 2.0 port



USB port allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which has USB connection available. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass thru to

the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB port can provide

## Low bezel-to-table height



The Philips monitor, thanks to its advanced SmartErgoBase, can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows for users with greatly different heights to use the monitor in their preferred angle and height settings, helping them reduce fatigue and strain.

## 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!



# Specifications

## Connectivity

- Signal Input: DisplayPort x 1, DVI-D (digital, HDCP), VGA (Analog)
- USB: USB 2.0 x 1
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out, Stereo Audio

## Picture/Display

- Panel Size: 23 inch / 58.4 cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.265 x 0.265 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 14 ms
- Viewing angle: 178° (H) / 178° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB
- SmartResponse (typical): 7ms (Gray to Gray)

## Convenience

- Built-in Speakers: 1.5W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7/Vista/XP
- User convenience: SmartImage, PowerSensor, Volume, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Control software: SmartControl Premium

## Stand

- Height adjustment: 130 mm
- Pivot: Yes (auto pivot)
- Swivel: -65/65 degree
- Tilt: -5/20 degree

## Power

- ECO mode: 18.3W (typ.)
- Power supply: 100-240VAC, 50/60Hz, Built-in
- Off mode: 0.1W
- On mode: 27.6W (EnergyStar 5.0 test method)
- Standby mode: 0.1W
- Power LED indicator: Standby mode- White (blinking), Operation - White

## Dimensions

- Product with stand (mm): 566 x 517 x 250 mm
- Packaging in mm (WxHxD): 672 x 268 x 434 mm
- Product without stand (mm): 566 x 360 x 57 mm

## Weight

- Product with packaging (kg): 8.10 kg
- Product with stand (kg): 6.40 kg
- Product without stand (kg): 4.20 kg

## Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

## Sustainability

- Environmental and energy: PowerSensor, EnergyStar 5.0, EPEAT Gold, TCO Certified Edge, RoHS
- Post consumer recycled plastic: 65%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, SASO, SEMKO, TCO 5.2, TUV/GS, TUV Ergo, UL/cUL, WEEE

## Cabinet

- Finish: Texture
- Foot: Black
- Front bezel: Black
- Rear cover: Black



Issue date 2024-03-24

Version: 3.0.2

EAN: 87 12581 62550 4

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