



Philips Brilliance
LCD monitor with
PowerSensor

B Line
24" (61 cm)
1920 x 1200 (WUXGA)

240B4LPYNB

Sustainable eco design display

with PowerSensor saves energy bills

This Philips PowerSensor LED display with PVC and BFR free housing, USB hub and ergonomic base is ready for eco-friendly productivity

Excellent performance

- LED technology ensures natural colors
- DisplayPort delivers high bandwidth for ultra fine images

Designed for people

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

Sustainable Eco-design

- Zero power consumption with 0 watt hard switch
- PVC-BFR free housing
- PowerSensor saves up to 80% energy costs

Easy to experience

- USB Hub with 2 ports for easy connections
- SmartImage presets for easy optimized image settings

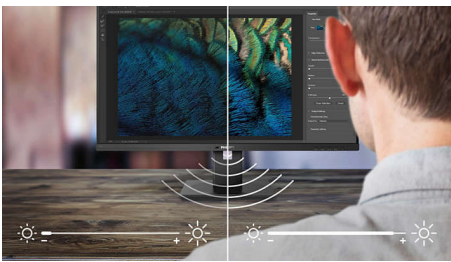
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Highlights

LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of LCD backlight, resulting in super high contrast ratio. It also gives superior color reproduction thanks to consistent brightness across the screen.

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

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.

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!

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.

2 Ports USB 2.0 HUB

USB Hub 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 Hub 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 Hub can provide.

PVC-BFR free housing

This Philips monitor housing is free from brominated flame retardant and polyvinyl chloride (PVC-BFR free)

Zero power consumption

At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further



Specifications

Connectivity

- Signal Input: DisplayPort 1.2, DVI-D (digital, HDCP), VGA (Analog)
- USB: USB 2.0 x 2
- Sync Input: Separate Sync, Sync on Green

Picture/Display

- Panel Size: 24 inch / 61 cm
- Aspect ratio: 16:10
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Pixel pitch: 0.270 x 0.270 mm
- Optimum resolution: 1920 x 1200 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000 :1
- Response time (typical): 5 ms
- Viewing angle: 170° (H) / 160° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 518.4 (H) x 324 (V)
- Scanning Frequency: 24 - 94 kHz (H) / 48 - 85 Hz (V)
- sRGB

Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8/7/Vista
- User convenience: SmartImage, PowerSensor, Menu, Power On/Off, Brightness
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Control software: SmartControl Premium, PowerSensor

Stand

- Height adjustment: 110 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/20 degree

Power

- ECO mode: 13.4 W (typ.)

- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 18.2 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: 0.2 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

- Product with stand (mm): 555 x 543 x 227 mm
- Packaging in mm (WxHxD): 615 x 487 x 180 mm
- Product without stand (mm): 555 x 388 x 65 mm

Weight

- Product with packaging (kg): 8.56 kg
- Product with stand (kg): 5.83 kg
- Product without stand (kg): 3.97 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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: EnergyStar 7.0, PowerSensor, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free
- Recycled material: 25%

Compliance and standards

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

Cabinet

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

