

Philips Brilliance LCD monitor with PowerSensor

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



241B7QPJEB



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

Brilliant performance

- IPS technology for full colours and wide viewing angles
- Narrow border display for seamless appearance
- SmartImage pre-sets for easy optimised image settings

Designed for comfortable productivity

- LowBlue Mode for easy-on-the-eyes productivity
- · Less eye fatigue with Flicker-Free technology
- SmartErgoBase enables user-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
- SmartConnect with DisplayPort, HDMI and VGA connections

Sustainable Eco-design

- PowerSensor saves up to 80% energy costs
- 85% post consumer recycled plastics with TCO Edge



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Highlights

IPS technology



IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, 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 colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

Ultra-narrow 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 setups like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

SmartImage



With Without Smarthnage Smarthnage

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed

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on your screen and optimises your display

offers you major power savings. All in real time

Studies have shown that just as ultra-violet rays

can cause eye damage, shortwave-length blue

damage and affect vision over time. Developed

setting uses a smart software technology to

Due to the way brightness is controlled on

LED-backlit screens, some users experience

fatigue. Philips Flicker-Free technology applies

reduce flicker for more comfortable viewing.

flicker on their screen which causes eye

a new solution to regulate brightness and

light rays from LED displays can cause eye

for wellbeing, the Philips LowBlue Mode

reduce harmful shortwave blue light.

Flicker-Free technology

Low Blue Mode

at the touch of a single button!

LowBlue Mode

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 optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

USB 3.0 super speed

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

SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multiple connections like VGA, Display Port and universal HDMI connector, enabling you to enjoy high-resolution uncompressed video and audio content. USB connections ensure 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!

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Specifications

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) × 296.5 (V)
 Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Response time (typical): 5 ms (Grey to Grey)*
- Brightness: 250 cd/m²
- 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
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Scanning Frequency: 30 83 kHz (H) / 56 76 Hz (V)
- sRGB

Connectivity

- Signal Input: VGA (Analogue), DisplayPort 1.2, HDMI 1.4
- USB: USB 3.0 x 2 (1 w/fast charging)*
- · Sync Input: Separate Sync, Sync on Green
- 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, LowBlue 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

- Other convenience: Kensington lock, VESA mount (100 x 100 mm)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

- · Height adjustment: 130 mm
- Pivot: 90 degree
- Swivel: -175/175 degree
- Tilt: -5/20 degree

Power

• ECO mode: 10.3 W (typ.)

- On mode: 15.4 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 (flashing)
 - Power supply: Built-in, 100-240 VAC, 50-60 Hz

Dimensions

- Product with stand (max height): 541 x 492 x 257 mm
- Product without stand (mm): 541 x 332 x 57 mm
- Packaging in mm (W x H x D): 603 x 492 x 187 mm

Weight

- Product with stand (kg): 5.83 kg
- Product without stand (kg): 3.52 kg
- Product with packaging (kg): 6.45 kg

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: +12,000 ft (3658 m), Non-
- operation: +40,000 ft (12,192 m)
- 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

Cabinet

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

- Cables: D-Sub cable, DP cable, Audio cable, Power cable
- User Documentation



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EAN: 87 12581 74053 5 www.philips.com * "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

- * EPEAT Gold is valid only where Philips registers the product. Please visit www.epeat.net for registration status in your country. * Fast charging through BC 1.2 standard
- * Response time value equal to SmartResponse

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Finish: Texture

What's in the box?

Monitor with stand