Philips Brilliance
LCD monitor with
PowerSensor

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

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

Features for the way you work
- Built-in stereo speakers for multimedia
- SmartConnect with DisplayPort, HDMI and VGA connections
- USB 3.0 enables fast data transfers and smart phone charging

Sustainable Eco-design
- PowerSensor saves up to 70% energy costs
- Designed to meet environmental standards

Designed for comfortable productivity
- SmartErgoBase enables user-friendly ergonomic adjustments
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity

PHILIPS

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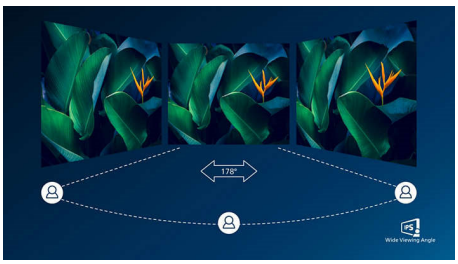
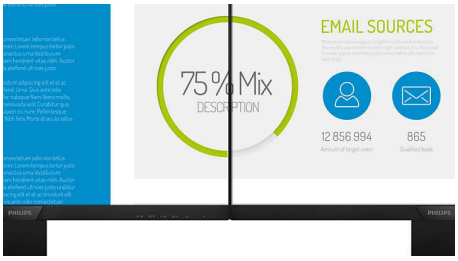
Highlights

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

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your 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 optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!

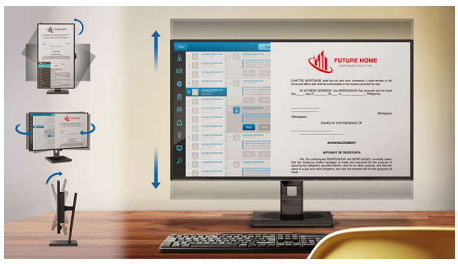
LowBlue Mode

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, the 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 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 3.0 super speed

Super Speed USB 3.0 deploys a 5.0 Gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard, significantly reducing data transfer time and saving you time and money. With more bandwidth, super-speed transfer rates, better power management and superior overall performance, USB 3.0 sets the global standard, allowing you to use large-capacity storage devices. Sync-N-Go technology ensures that you no longer have to wait for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backwards compatible.

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!

Wide Viewing Angle | Ultra Narrow Bezel | SmartImage™ | LowBlue Mode | Flicker-free | SmartErgo Base | USB 3.0 | PowerSensor | Built-in Speaker

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Specifications

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

Picture/Display
- Panel Size: 23.8 inch/60.5 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.275 x 0.275 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 250 cd/m²
- Display colours: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 5 ms (Grey to Grey)*
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 527 (H) x 296.5 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- Flicker-free
- Display Screen Coating: Anti-Glare, 3H, Haze 25%

Convenience
- Built-in Speakers: 2 W x 2
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off, LowBlue Mode
- 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)
- Control software: SmartControl

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

Power
- ECO mode: 10.3 W (typ.)
- Power supply: Built-in, 100–240 VAC, 50–60 Hz
- Off mode: Zero watts with Zero switch
- On mode: 13.14 W (typ.) (EnergyStar test method)
- Standby mode: <0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Energy Label Class: E

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

Weight
- Product with packaging (kg): 8.26 kg
- Product with stand (kg): 5.83 kg
- Product without stand (kg): 3.52 kg

Operating conditions
- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- Temperature range (operation): 0°C to 40°C °C
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability
- Environmental and energy: EnergyStar 8.0, PowerSensor, EPEAT*, TCO Certified Edge, RoHS
- Post-consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, WEEE, ICES-003, UKRAINIAN

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

What's in the box?
- Cables: D-Sub cable, DP cable, Audio cable, Power cable
- Monitor with stand
- User Documentation

Issue date 2024-05-06

Version: 5.0.2

EAN: 87 12581 74053 5

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* Fast charging complies with USB BC 1.2 standard
* Response time value equal to SmartResponse