



Philips Brilliance  
QHD LCD Monitor with  
PowerSensor

### B Line

24 (23.8"/60.3 cm diag.)  
2560 x 1440 (QHD)

**Brilliance**

**242B7QPTB**



## 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

- Crystal clear images with Quad HD 2560 x 1440 pixels
- IPS technology for full colours and wide viewing angles
- Narrow-border display for a seamless appearance

### 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
- DisplayPort-out for connecting additional displays
- SmartConnect with DisplayPort, HDMI and VGA connections

### Sustainable Eco-design

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

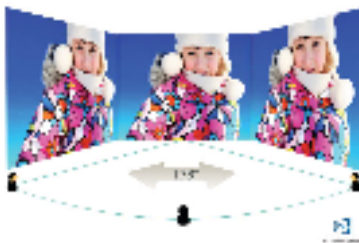
**PHILIPS**

# Highlights

## CrystalClear images

These Philips screens deliver Crystal Clear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high-performance panels with high-density pixel count, enabled by high-bandwidth sources like Displayport, HDMI and Dual link DVI, these new displays will make your images and graphics come alive. Whether you are a demanding professional requiring extremely detailed information for CAD-CAM solutions, a user of 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystal Clear images.

## 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.

## 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.

## SmartErgoBase



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.

## Built-in stereo speakers

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

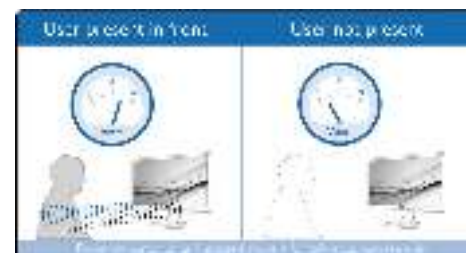
## DisplayPort-out

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 maintain a clean desktop without the hassle of too many wires.

## 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!

## PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.

## Designed for sustainability

Designed for sustainability and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR, EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: <https://www.energystar.gov/> EPEAT: <https://www.epeat.net/> TCO Certified: <https://tcocertified.com/>



Quad HD



IPS



Ultra-Narrow Border



LowBlue Mode



SmartErgoBase



Built-in Speakers



SmartConnect



PowerSensor



Sustainability

# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch/60.3 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 529.7 (H) x 295.7 (V)
- Aspect ratio: 16:9
- Optimum resolution: 2560 x 1440 @ 60Hz
- Pixel Density: 123 PPI
- Brightness: 300 cd/m<sup>2</sup>
- Response time (typical): 5 ms (Grey to Grey)\*
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.205 x 0.205 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Scanning Frequency: 30 - 99 kHz (H) / 50 - 76 Hz (V)
- LowBlue Mode
- sRGB

## Connectivity

- Signal Input: VGA (Analogue), DisplayPort 1.2, mini DisplayPort 1.2 x 1, HDMI 1.4
- Signal Output: DisplayPort out
- USB: USB 3.0x4 (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
- 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: 150 mm
- Pivot: 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

## Power

- ECO mode: 16.5 W (typ.)
- On mode: 13.84 W (typ.) (EnergyStar test method)
- Standby mode: <0.3 W (typ.)
- Off mode: Zero watts with AC 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 527 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 224 mm

## Weight

- Product with stand (kg): 6.33 kg
- Product without stand (kg): 3.90 kg
- Product with packaging (kg): 9.04 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 8.0, TCO Certified Edge, RoHS, WEEE
- 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, TUV Ergo, TUV/GS, CU-EAC, EPA, UKRAINIAN, ICES-003

## Cabinet

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

## What's in the box?

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



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12 NC: 8670 001 40659  
EAN: 87 12581 74160 0

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\* Fast charging complies with USB BC 1.2 standard

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

\* Response time value equal to SmartResponse