Philips Brilliance
QHD LCD Monitor with
PowerSensor

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

*Brilliance*

242B7QPTEB

# 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
- Crystalclear images with Quad HD 2560 x 1440 pixels
- IPS technology for full colors 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 people-friendly ergonomic adjustments

### Features for the way you work
- Built-in stereo speakers for multimedia
- DisplayPort-out for connecting additional displays
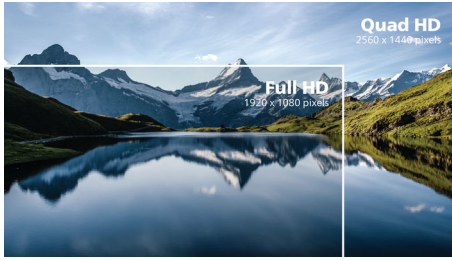- SmartConnect with DisplayPort, HDMI and VGA connections

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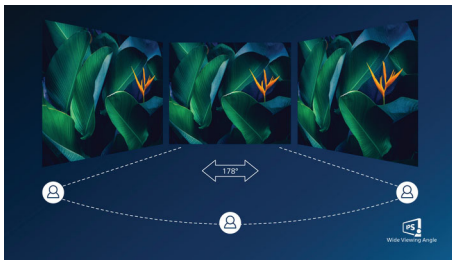- Designed to meet environmental standards

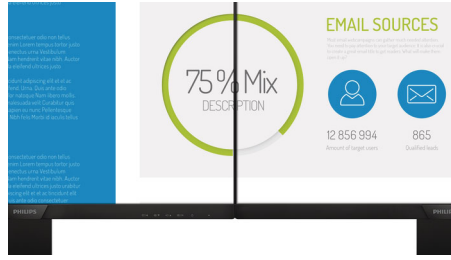# PHILIPS

# Highlights

### Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

### IPS technology



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.
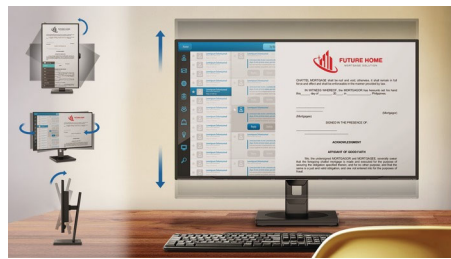
### UltraNarrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup 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, 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 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.

### Built-in stereo speakers



A pair of high quality stereo speakers built into a display device. It can 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 create a clean desktop without the hassle of too many wires all over.

### SmartConnect

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

Quad HD | Wide Viewing Angle | Ultra Narrow Bezel | LowBlue Mode | Flicker-free | SmartErgo Base | Built-in Speaker | SmartConnect | PowerSensor

# 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/m²
- Response time (typical): 5 ms (Gray to Gray)*
- Contrast ratio (typical): 1,000:1
- 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 colors: 16.7 M
- Scanning Frequency: 30 - 99 kHz (H) / 50 - 76 Hz (V)
- LowBlue Mode
- sRGB

## Connectivity
- Signal Input: VGA (Analog ), 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 (100x100mm)
- Plug & 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.)
- Energy Label Class: E
- 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 (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

## 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 (WxHxD): 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- 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

## 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

* 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