

Philips Brilliance  
LCD monitor with  
SoftBlue Technology

### P Line

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

241P6EPJEB



## Brilliant performance from every angle

with a full HD IPS display

Designed for you, the new Philips Brilliance monitor features new SoftBlue LED Technology for easy-on-the-eyes, brilliant, colourful images and maximum productivity.

#### Brilliant performance

- SmartImage pre-sets for easy optimised image settings
- IPS-ADS wide-view technology for image and colour accuracy

#### Designed for people

- Low bezel-to-table height for maximum reading comfort
- SmartErgoBase enables user-friendly ergonomic adjustments
- Less eye fatigue with Flicker-Free technology
- SoftBlue Technology is easy on the eyes and maintains colour

#### Sustainable Eco-design

- PowerSensor saves up to 80% energy costs
- LightSensor for the perfect brightness with minimal power

#### Easy to experience

- Built-in stereo speakers for multimedia
- USB 3.0 Hub for convenient access and fast charging
- SmartConnect with HDMI, MHL, DisplayPort, DVI and VGA

# PHILIPS

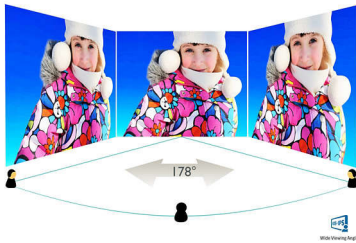
# Highlights

## SoftBlue Technology



SoftBlue LED technology uses smart technology to reduce harmful shortwave blue light without affecting the colour or image of the display. SoftBlue LED technology is certified by international testing organisation TUV Rheinland to reduce harmful blue light.

## IPS-ADS technology



IPS-ADS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS-ADS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

## 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!

## 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.

## 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.

## SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multiple connections like VGA, DVI-D, DisplayPort, universal HDMI connector and MHL, enabling you to enjoy high-resolution uncompressed video and audio content. 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 then automatically reduces monitor brightness when then user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life



SoftBlue Technology



Wide Viewing Angle



SmartImage™



Flicker-free



SmartErgo Base



Built-in Speaker



SmartConnect



PowerSensor



LightSensor



SmartConnect

# Specifications

## Connectivity

- Signal Input: VGA (Analogue), DVI-D (digital, HDCP), DisplayPort x 1, MHL-HDMI (digital, HDCP)
- USB: USB 3.0x4 (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-ADS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.2745 x 0.2745 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 250 cd/m<sup>2</sup>
- 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 &gt; 10
- Picture enhancement: SmartImage
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- MHL: 1080P @ 60 Hz
- SoftBlue
- 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, Volume, PowerSensor, Menu, Power On/Off
- 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)

## Stand

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

## Power

- ECO mode: 13.9 W (typ.)

- Power supply: 100–240 VAC, 50–60 Hz, Built-in
- Off mode: Zero watts with AC switch
- On mode: 19.14 W (EnergyStar 6.0 test method)
- Standby mode: &lt; 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)

## Dimensions

- Packaging in mm (W x H x D): 619 x 525 x 184 mm
- Product without stand (mm): 563 x 351 x 53 mm
- Product with stand (max height): 563 x 511 x 257 mm

## Weight

- Product with packaging (kg): 9.13 kg
- Product with stand (kg): 6.47 kg
- Product without stand (kg): 3.98 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: PowerSensor, LightSensor, EnergyStar 6.0, RoHS
- Post-consumer recycled plastic: 65%
- 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/GS, TUV Ergo, EPA, PSB, WEEE, RCM, UKRAINIAN, CECP, ICES-003, TUV Cert. — blue light cut-off

## Cabinet

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

## What's in the box?

- Cables: VGA, DVI, DP, Audio, Power
- Monitor with stand
- User Documentation



Issue date 2024-03-24

Version: 11.0.1

EAN: 87 12581 73445 9

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\* This Philips display is MHL-certified. However, if your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for instructions. The policy of your device manufacturer may require you to purchase its brand-specific MHL cable or adapter in order for it to work

\* Requires optional MHL-certified mobile device and MHL cable (not included). Please check with your MHL device vendor for compatibility.

\* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality

\* For a complete list of MHL-enabled products, refer to [www.mhlconsortium.org](http://www.mhlconsortium.org)

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

\* Response time value equal to SmartResponse