

# PHILIPS

## LCD monitor

## Monitor

B Line

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)

241B8QJEB



## Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 24" Full HD monitor. Crisp and vivid Full HD gives you the space and clarity to see your work. Features like height-adjustment, Flicker-free and LowBlue mode make work easy on the eyes.

### Brilliant performance

- SmartImage pre-sets for easy optimised image settings
- IPS technology for full colours and wide viewing angles
- 16:9 Full HD display for crisp, detailed images

### 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

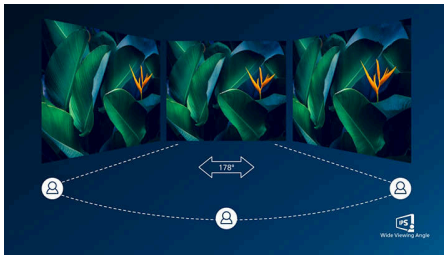
- Designed to meet environmental standards

### Designed for comfortable productivity

- SmartErgoBase enables user-friendly ergonomic adjustments
- EasyRead mode for a paper-like reading experience
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity

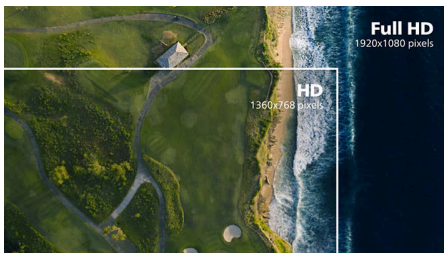
# Highlights

## 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.

## 16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colours, expect a true-to-life picture.

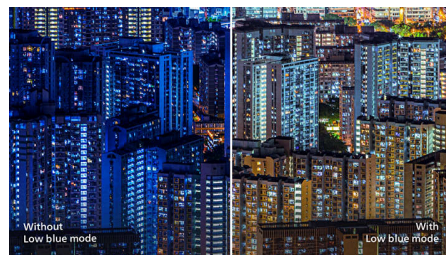
## SmartImage



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



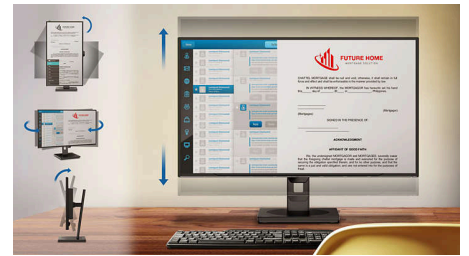
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

## Flicker-Free technology



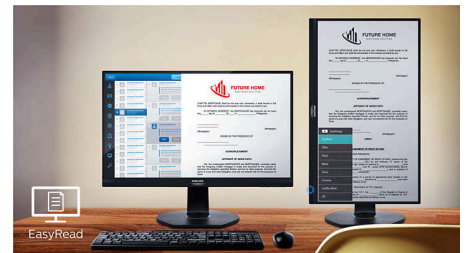
Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## 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.

## EasyRead mode



EasyRead mode for a paper-like reading experience

## 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.



Wide Viewing Angle



SmartImage™



LowBlue Mode



Flicker-free



SmartErgo Base



EasyRead



Built-in Speaker

## Highlights

### 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!

### 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/>



Specifications

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  
Brightness: 250 cd/m<sup>2</sup>  
Display colours: 16.7 M  
Colour gamut (typical): NTSC 89.9%\*, sRGB 103.8%\*  
Contrast ratio (typical): 1000:1  
SmartContrast: 50,000,000:1  
Response time (typical): 5 ms (Grey to Grey)\*  
Viewing angle: 178° (H)/178° (V), @ C/R &gt; 10  
Picture enhancement: SmartImage  
Maximum resolution: 1920 x 1080 @ 75 Hz\*  
Effective viewing area: 527 (H) x 296.5 (V)  
Scanning Frequency: 30–85 kHz (H) / 48–75 Hz (V)  
sRGB  
Flicker-free  
Pixel Density: 93 PPI  
LowBlue Mode  
Display Screen Coating: Anti-Glare, 3H, Haze 25%  
EasyRead  
Adaptive sync

Connectivity

Signal Input: VGA (Analogue), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4  
USB: USB 3.0 x 2 (1 w/fast charging)\*, USB 2.0 x 2  
Sync Input: Separate Sync, Sync on Green  
Audio (In/Out): PC audio-in, Headphone out

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, Brightness, 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)  
Control software: SmartControl

Stand

Height adjustment: 150 mm  
Pivot: -/+ 90 degree  
Swivel: -175/175 degree  
Tilt: -5/30 degree

Power

ECO mode: 10 W (typ.)  
Power supply: Built-in, 100–240 VAC, 50–60 Hz  
Off mode: Zero watts with Zero switch  
On mode: 14.21 W (typ.) (EnergyStar test method)  
Standby mode: < 0.5 W (typ.)  
Power LED indicator: Operation - White, Standby mode - White (flashing)  
Energy Label Class: D

Dimensions

Packaging in mm (W x H x D): 600 x 468 x 198 mm  
Product without stand (mm): 540 x 323 x 50 mm  
Product with stand (max height): 540 x 508 x 206 mm

Weight

Product with packaging (kg): 7.17 kg  
Product with stand (kg): 4.97 kg  
Product without stand (kg): 3.37 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, EPEAT\*, TCO Certified Edge, RoHS, WEEE  
Post consumer recycled plastic: 85%  
Recyclable packaging material: 100 %  
Specific Substances: PVC/BFR free housing, Mercury free

Compliance and standards

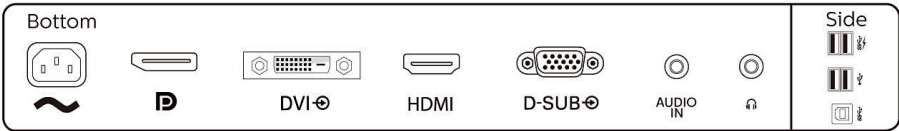
Regulatory Approvals: CE Mark, CB, FCC Class B, SEMKO, cETLus, UKRAINIAN, TUV Ergo, TUV/GS, CU-EAC

Cabinet

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

What's in the box?

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



\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.  
\* The maximum resolution works for either HDMI input or DP input.  
\* Response time value equal to SmartResponse  
\* Fast charging complies with USB BC 1.2 standard  
\* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.  
\* The monitor may look different from feature images.