



Philips  
LCD 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

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

#### 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
- EasyRead mode for a paper-like reading experience

#### Features for the way you work

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

#### Sustainable Eco-design

- Designed to meet environmental standards



# PHILIPS

# Highlights

## IPS technology



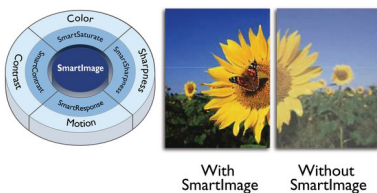
IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal 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



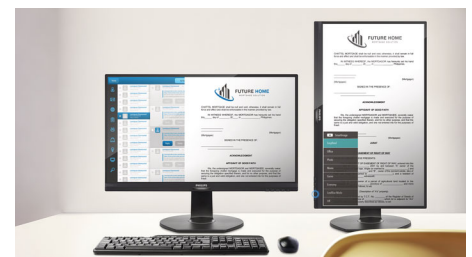
Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The 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.

## 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.

## 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.



# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch/60.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 527 (H) x 296.5 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Pixel Density: 93 PPI
- Response time (typical): 5 ms (Grey to Grey)\*
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.275 x 0.275 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Colour gamut (typical): NTSC 89.9%\*, sRGB 103.8%\*
- Display colours: 16.7 M
- Scanning Frequency: 30–85 kHz (H)/48–76 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode
- 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
- Audio (In/Out): PC audio-in, Headphone out
- Sync Input: Separate Sync, Sync on Green

## Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, Brightness, 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: 10 W (typ.)

- On mode: 13 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: < 0.5 W (typ.)
- Off mode: Zero watts with Zero switch
- Energy Label Class: A+
- 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): 540 x 508 x 206 mm
- Product without stand (mm): 540 x 323 x 50 mm
- Packaging in mm (W x H x D): 600 x 468 x 198 mm

## Weight

- Product with stand (kg): 4.97 kg
- Product without stand (kg): 3.37 kg
- Product with packaging (kg): 7.17 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: EnergyStar 7.0, EPEAT\*, 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

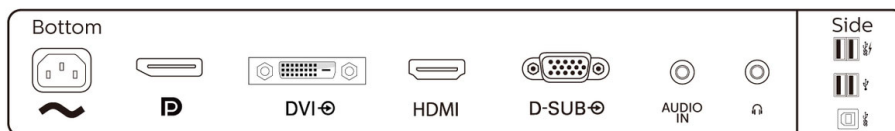
- Regulatory Approvals: CE Mark, CB, EPA, FCC Class B, SEMKO, cETLus, UKRAINIAN, ICES-003, TUV/GS, TUV Ergo, PSE, PSB, MEPS, CU-EAC, VCCI, RCM, J-MOSS

## Cabinet

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

## What's in the box?

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



Issue date 2020-04-26

Version: 5.0.2

12 NC: 8670 001 57579  
EAN: 87 12581 75641 3

© 2020 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

[www.philips.com](http://www.philips.com)

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