

# PHILIPS

LCD monitor with  
USB-C

Business Monitor

B Line

24 (23.8" / 60.5 cm diag.)

1920 x 1080 (Full HD)

243B9H



## Simplify your connections

with USB-C

The Philips B line monitor with USB-C replaces cable clutter. View Full HD image and recharge your laptop, all at the same time with a single USB-C cable. A secure pop-up webcam with Windows Hello offers a personalised, greater security.

### Excellent performance

- IPS technology for full colours and wide viewing angles
- Secure sign-in with pop-up webcam

### Designed for the way you work

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

### Single cable USB-C connection

- Connect your notebook with one USB-C cable
- Power and re-charge compatible notebook from the monitor

### Designed for sustainability

- PowerSensor saves up to 80% energy costs
- Designed to meet environmental standards

## Highlights

### USB-C connection

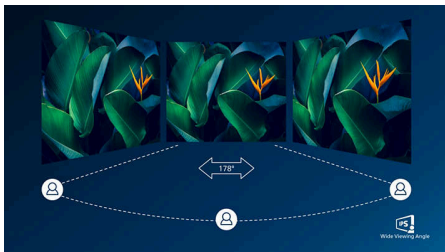


This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high-resolution video and transfer data at super speed, while powering up and recharging your compatible device at the same time.

### Power and re-charge notebook

This monitor features a built-in USB-C connector that meets USB Power Delivery standard. With intelligent and flexible power management, you can now power up and/or re-charge your compatible\* Notebook directly from the Monitor using a single USB-C cable.

### 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.

### Pop-up webcam



Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The webcam is also equipped with advanced sensors for Windows Hello facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times faster than a password.

### 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.

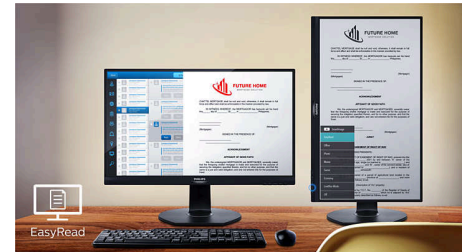
### LowBlue Mode



Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye

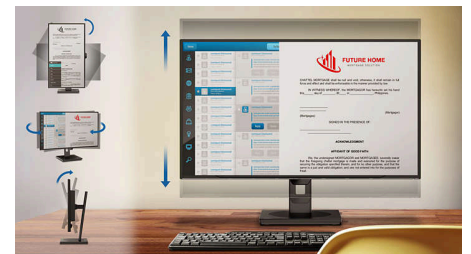
damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

### EasyRead mode



EasyRead mode for a paper-like reading experience

### 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.



USB-C



Wide Viewing Angle



Flicker-free



LowBlue Mode



EasyRead



SmartErgoBase



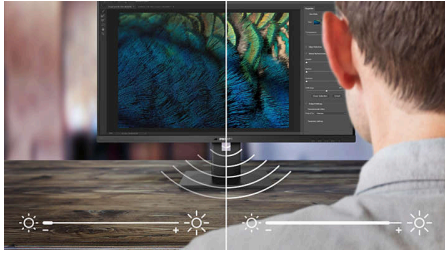
PowerSensor



Built-in Speaker

## Highlights

### 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 the user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

### 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.

### 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/>



USB-C



Wide Viewing Angle



Flicker-free



LowBlue Mode



EasyRead



SmartErgo Base

# 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:** 0.2745 x 0.2745 mm  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colours:** 16.7 M  
**Colour gamut (typical):** NTSC 90%\*, sRGB 104%\*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 50,000,000:1  
**Response time (typical):** 4 ms (Grey to Grey)\*  
**Viewing angle:** 178° (H)/178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 1920 x 1080 @ 75 Hz\*  
**Effective viewing area:** 527.04 (H) x 296.46 (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), DisplayPort 1.2 x 1, HDMI 1.4 x 1, USB-C 3.2 Gen 1 x 1 (upstream, power delivery up to 65 W)  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** PC audio-in, Headphone out  
**USB::** USB-C 3.2 Gen 1 x 1 (upstream), USB 3.2 x 3 (downstream with 1 fast charge B.C 1.2)  
**HDCP:** HDCP 1.4 (DP/HDMI/USB-C)

## USB

**Power delivery:** USB PD version 3.0  
**Super speed:** Data and Video transfer  
**DP:** Built-in Display Port Alt mode  
**USB-C max. power delivery:** Up to 65 W (5 V/3 A; 9 V/3 A; 10 V/3 A; 12 V/3 A; 15 V/3 A; 20 V/3.25 A)  
**USB-C:** Reversible plug connector

## 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, 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)  
**Control software:** SmartControl  
**Built-in webcam:** Pop-up 2.0 megapixel FHD camera with microphone and LED indicator (for Windows 10 Hello)

## Stand

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

## Power

**ECO mode:** 11.7 W (typ.)  
**Power supply:** Built-in, 100–240 VAC, 50–60 Hz  
**Off mode:** Zero watts with Zero switch  
**On mode:** 15.1 W (typ.) (EnergyStar test method)  
**Standby mode:** 0.3 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 475 x 198 mm  
**Product without stand (mm):** 541 x 332 x 63 mm  
**Product with stand (max height):** 541 x 522 x 216 mm

## Weight

**Product with packaging (kg):** 7.57 kg  
**Product with stand (kg):** 5.44 kg  
**Product without stand (kg):** 3.83 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  
**Relative humidity:** 20%-80 %  
**Temperature range (storage):** -20°C to 60 °C  
**MTBF (demonstrated):** 70,000 hrs (excluded backlight)

## Sustainability

**Environmental and energy:** Energy Star 8.0, PowerSensor, TCO Certified Edge, EPEAT\*, RoHS  
**Post-consumer recycled plastic:** 85%  
**Recyclable packaging material:** 100 %  
**Specific Substances:** PVC/BFR free housing, Mercury free

## Compliance and standards

**Regulatory Approvals:** CE Mark, FCC Class B, CU-EAC, EAEU RoHS, TUV Ergo, TUV/GS, ICES-003, UKRAINIAN, CB

## Cabinet

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

## What's in the box?

**Cables:** HDMI cable, DP cable, USB-C to C/A 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  
 \* NTSC Area based on CIE 1976  
 \* sRGB Area based on CIE1931  
 \* Activities such as screen sharing and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the overall audio and video quality.  
 \* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.  
 \* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode  
 \* 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.