

# PHILIPS

## LCD monitor

B Line

22 (21.5" / 54.6 cm diag.)

1920 x 1080 (Full HD)

221B8LJEB



## Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 22" 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 presets for easy optimized image settings
- 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
- HDMI ensures universal digital connectivity

### Sustainable Eco-design

- Zero power consumption with 0 watt hard switch
- Designed to meet environmental standards

### Designed for comfortable productivity

- SmartErgoBase enables people-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

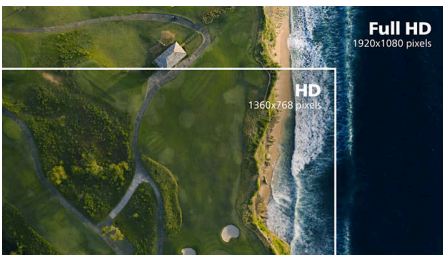
# Highlights

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized 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 optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

## 16:9 Full HD display



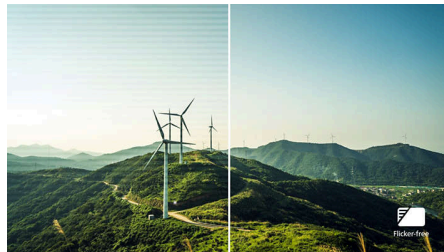
Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

## LowBlue Mode



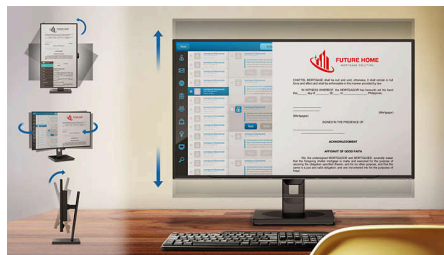
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

## 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. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

## HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).



# Highlights

## 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!

## 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/>

## Zero power consumption

At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further

# Specifications

## Picture/Display

**Panel Size:** 21.5 inch / 54.6 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** TFT-LCD (TN)  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.248 x 0.248 mm  
**Optimum resolution:** 1920 x 1080 @ 60Hz  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colors:** 16.7 M  
**Color gamut (typical):** NTSC 72% (CIE1931)  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 50,000,000:1  
**Response time (typical):** 1 ms (Gray to Gray)\*  
**Viewing angle:** 170° (H) / 160° (V), @ C/R &gt; 10  
**Picture enhancement:** SmartImage  
**Effective viewing area:** 476.64 (H) x 268.11 (V)  
**Scanning Frequency:** 30 - 83 kHz (H) / 50 - 76 Hz (V)  
**sRGB**  
**Flicker-free**  
**Pixel Density:** 102 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**EasyRead**  
**Adaptive sync (VRR)**

## Connectivity

**Signal Input:** VGA (Analog), DVI-D (digital), HDCP, DisplayPort 1.2, HDMI 1.4  
**USB:** USB 2.0 x 4  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** PC audio-in, Headphone out

## Convenience

**Built-in Speakers:** 2 W x 2  
**Plug & 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 (100x100mm)  
**Control software:** SmartControl

## Stand

**Height adjustment:** 130 mm  
**Pivot:** -/+ 90 degree  
**Swivel:** -175/+175 degree  
**Tilt:** -5/30 degree

## Power

**ECO mode:** 8.8 W (typ.)  
**Power supply:** Built-in, 100-240VAC, 50-60Hz  
**Off mode:** Zero watts with Zero switch  
**On mode:** 13.27 W (typ.) (EnergyStar test method)  
**Standby mode:** < 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)  
**Energy Label Class:** E

## Dimensions

**Packaging in mm (WxHxD):** 565 x 490 x 184 mm  
**Product without stand (mm):** 504 x 304 x 47 mm  
**Product with stand(max height):** 504 x 477 x 206 mm

## Weight

**Product with packaging (kg):** 6.81 kg  
**Product with stand (kg):** 4.55 kg  
**Product without stand (kg):** 2.65 kg

## Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**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, FCC Class B, SEMKO, cETLus, CU-EAC, PSB, EPA, UKRAINIAN, TUV Ergo, TUV/GS, RCM, TUV/ISO9241-307, CB

## Cabinet

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

## What's in the box?

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

