



Philips Brilliance  
LCD monitor with Audio

48 cm (19") B-line  
Format 5:4

19B1AB

## Feature packed display for increased productivity

With features like Front Stereo Audio, SmartImage, SmartContrast, SmartControl and TrueVision, the energy efficient 19B1 business display enhances your productivity

### Outstanding display performance

- SmartImage: Optimized user-friendly display experience
- SmartContrast: For incredible rich black details
- TrueVision: Laboratory quality display performance

### Sustainable Eco-friendly solution

- Eco-friendly materials that meets international standards
- EPEAT Silver ensures lower impact on environment
- Energy Star for energy efficiency and low power consumption

### Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Screen tilts to your ideal, individualized viewing angle
- Hassle-free display performance tuning with SmartControl II
- Cable management reduces cable clutter for neat workspace
- Built in stereo audio for multimedia experience

# PHILIPS

# Highlights

## Built-in stereo audio

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.

## Dual input



VGA connector



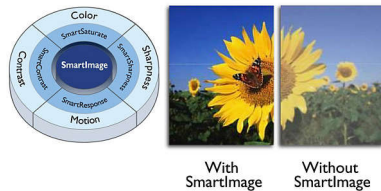
DVI connector

Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

## Adjustable tilt

Adjustable tilt is backward and forward movement of a screen on its base to achieve custom positioning for an ideal viewing angle and more comfort for people who spend long hours working on the computer.

## 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, Image, Entertainment, 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!

## SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

## TrueVision



TrueVision On



TrueVision Off

TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

## Cable management



Cable management is an intimate design that maintains tidy workspace by organizing cables and wires required for the operation of a display device.

## EPEAT Silver

Philips EPEAT Silver certified monitors ensure protection for human health and environment,

and are highly energy efficient ensuring low emissions of climate changing green house gases. EPEAT program helps purchasers evaluate, compare and select Monitors based on 51 environmental criteria supported by US EPA. EPEAT Silver is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.

## Eco-friendly materials

"Philips is committed to use sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In some selected models we utilize upto 65% post consumer recycled plastics. Strict adherence to RoHS standards ensure substantial reduction or elimination of toxic substances like Lead, for example. Mercury content in monitors with CCFL backlight has been reduced significantly, while eliminated in monitors with LED backlight completely. Visit Philips @ <http://www.asimpleswitch.com/global/> to learn more.

## Energy Star 5.0

Energy Star is a US EPA sponsored energy efficiency program also adopted by many other countries. Energy Star certification ensures that you are buying a product which meets the latest power efficiency standards which operates with maximum power efficiency at all operational levels. New Philips monitors are certified for Energy Star 5.0 specifications and meet or exceed the standard. For example, in sleep mode Energy Star 5.0 requires less than 1watt power consumption, whereas Philips monitors consume less than 0.5watts. Further details can be obtained from [www.energystar.gov](http://www.energystar.gov)



Built-in Audio



Dual Input



SmartImage



SmartControl



TrueVision



EPEAT SILVER



ENERGY STAR



SmartContrast



ENERGY STAR



TCO 03 DISPLAYS

# Specifications

## Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Stereo Audio

## Picture/Display

- Panel Size: 19 inch / 48 cm
- Aspect ratio: 5:4
- LCD panel type: TFT-LCD
- Pixel pitch: 0.294 x 0.294 mm
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- SmartContrast: 25000:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R &gt; 5
- Picture enhancement: SmartImage
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB

## Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, Windows 7/Vista/XP/2000/98, sRGB
- Built-in Audio: 1Wx2
- User convenience: SmartImage, Audio, Brightness, Menu, Auto, Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese
- Other convenience: VESA mount (100x100mm), Kensington lock

## Stand

- Tilt: -5/20 degree

## Power

- ECO mode: <math>16.5W</math>

- Power supply: Built-in, 100-240VAC, 50/60Hz
- Off mode: <math>0.5 W</math>
- On mode: <math>18.2W</math> (EnergyStar 5.0 test method)
- Standby mode: <math>0.8 W</math>
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Product with stand (mm): 418 x 404 x 186 mm
- Packaging in mm (WxHxD): 465 x 451 x 151 mm
- Product without stand (mm): 350 x 404 x 68 mm

## Weight

- Product with packaging (kg): 5.50 kg
- Product with stand (kg): 3.85 kg
- Product without stand (kg): 3.47 kg

## Operating conditions

- Temperature range (operation): 0 to 40 °C
- MTBF: 50,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20 to 60 °C

## Sustainability

- Environmental and energy: EPEAT Silver, RoHS, EnergyStar 5.0
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC, Class B, GOST, SEMKO, TCO '03, TUV Ergo, TUV/GS, UL/cUL

## Cabinet

- Color: Black
- Finish: Texture

