



Philips Brilliance  
LCD monitor, LED  
backlight

### B Line

22" (55.9 cm)  
1680x1050

220B4LPCB

## Sustainable eco design display

with PowerSensor saves energy bills

The Philips PowerSensor LED display using 65% post consumer recycled plastics and PVC, BFR free housing is ideal for eco-friendly productivity

#### Excellent performance

- Built-in stereo speakers for multimedia
- LED technology ensures natural colors
- TrueVision ensures lab quality images

#### Designed for people

- Low bezel-to-table height for maximum reading comfort
- SmartErgoBase enables people-friendly ergonomic adjustments

#### Sustainable Eco-design

- Zero power consumption with 0 watt hard switch
- PVC-BFR free housing
- 65% post consumer recycled plastics with TCO Edge
- PowerSensor saves up to 80% energy costs

#### Easy to experience

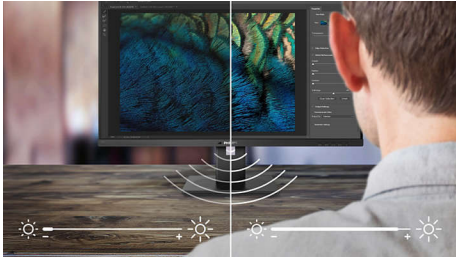
- USB Hub with 2 ports for easy connections
- SmartImage presets for easy optimized image settings

# PHILIPS

LCD monitor, LED backlight  
B Line 22" (55.9 cm), 1680x1050

# Highlights

## PowerSensor

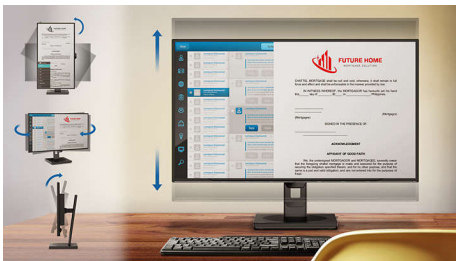


PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

## LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of LCD backlight, resulting in super high contrast ratio. It also gives superior color reproduction thanks to consistent brightness across the screen.

## 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.

## Low bezel-to-table height



The Philips monitor, thanks to its advanced SmartErgoBase, can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows for users with greatly different heights to use the monitor in their preferred angle and height settings, helping them reduce fatigue and strain.

## 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.

## 2 Ports USB 2.0 HUB

USB Hub allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which has USB connection available. The conveniently located USB 2.0 Hub on the monitor allows USB 2.0 signals to pass thru to

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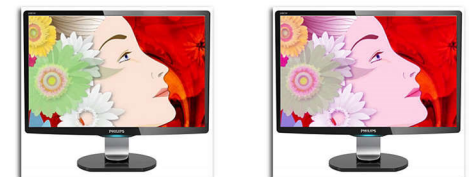
the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB Hub can provide.

## 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!

## TrueVision



TrueVision is a proprietary Philips technology that uses advanced algorithm for testing and aligning monitor display which gives you the ultimate display performance. Philips ensures TrueVision monitors leave the factory fine-tuned with this process giving you consistent color and picture quality.



# Specifications

## Connectivity

- Signal Input: DVI-D (digital, HDCP), VGA (Analog)
- USB: USB 2.0 x 2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

## Picture/Display

- Panel Size: 22 inch / 55.9 cm
- Aspect ratio: 16:10
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Pixel pitch: 0.282 x 0.282 mm
- Optimum resolution: 1680 x 1050 @ 60Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 5 ms
- Viewing angle: 170° (H) / 160° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Effective viewing area: 473.76 (H) x 296.1 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB

## Convenience

- Built-in Speakers: 1.5Wx2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7/Vista/XP
- User convenience: SmartImage, Volume, PowerSensor, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Control software: SmartControl Premium

## Stand

- Height adjustment: 110 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/20 degree

## Power

- ECO mode: 11.7W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 14.61 W (typ.) (EnergyStar 7.0 test

method)

- Standby mode: 0.3W
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Product with stand (mm): 504 x 509 x 227 mm
- Product with stand in inch: 19.8 x 20.0 x 8.9 inch
- Packaging in mm (WxHxD): 565 x 391 x 186 mm
- Product without stand (mm): 504 x 349 x 59 mm
- Packaging in inch (WxHxD): 22.2 x 15.4 x 7.3 inch
- Product without stand in inch: 19.8 x 13.7 x 2.3 inch

## Weight

- Product with packaging (kg): 7.05 kg
- Product with stand (kg): 5.20 kg
- Product with packaging (lb): 15.51 lb
- Product with stand (lb): 11.44 lb
- Product without stand (kg): 3.38 kg
- Product without stand (lb): 7.44 lb

## Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

## Sustainability

- Environmental and energy: PowerSensor, EnergyStar 7.0, RoHS, TCO Certified Edge
- Post consumer recycled plastic: 65%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, SASO, SEMKO, TUV Ergo, TUV/GS, UL/cUL, WEEE

## Cabinet

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



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