



Philips  
LED Monitor

56 cm/22" w E-line  
1920x1080 Full HD

222EL1SB

## LED display: Contrast has never been better!!

This Eco friendly LED display comes with a superb 1000000:1 contrast ratio. Along with VGA inputs, natural colors, SmartContrast and Glossy finish, the 222EL1 is a great choice for all your needs

### **Great picture quality**

- LED technology ensures natural colors
- 16:9 display for best widescreen gaming and video
- SmartContrast 1,000,000:1 for incredible rich black details
- 5ms fast response time

### **Design that complements any interior**

- Glossy finish to enhance your decor
- Small footprint to blend into any lifestyle

### **Environmentally friendly green design**

- Mercury Free eco-friendly display
- Energy Star for energy efficiency and low power consumption
- Complies with RoHS standards to care for the environment

### **Great convenience**

- Stylish SmartTouch controls
- Easy picture format control switching in wide and 4:3 format

# PHILIPS

# Highlights

## 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.

## SmartContrast ratio 1000000:1



With SmartContrast



Without SmartContrast

You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.

## 5ms on/off response time

On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: Lower response time means faster transitions and, therefore, results in fewer visible image artifacts in the display of transition of texts and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

## Mercury Free

Philips monitors with LED backlighting are free of Mercury content, one of the most toxic natural substances, which affects humans and animals. This reduces the environmental impact of the display throughout its life-cycle, from manufacturing to disposal.

## Energy Star 5.0

Energy Star is a US EPA sponsored energy efficiency program also adopted by many other countries.



White LED



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 1 watt power consumption, whereas Philips monitors consume less than 0.5 watts. Further details can be obtained from [www.energystar.gov](http://www.energystar.gov)

## SmartTouch controls



SmartTouch controls are intelligent, touch sensitive icons that replace protruding buttons. Responding to your lightest touch, SmartTouch controls, for example, power up your monitor or brighten and sharpen your display with SmartImage Lite. When activated, SmartTouch icons glow to indicate that your commands have been implemented.

## Easy picture format control



Widescreen format

4:3 format

Philips easy picture format control on OSD is to switch from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

# Specifications

## Picture/Display

- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Panel Size: 21.5 inch / 54.61 cm
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Response time (typical): 5 ms
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: 1,000,000:1
- Pixel pitch: 0.248 x 0.248 mm
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Display colors: 16.7 M
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB

## Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP)
- Sync Input: Separate Sync, Sync on Green

## Convenience

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

## Stand

- Tilt: -5/20 degree

## Power

- On mode: <18.6W (EnergyStar 5.0 test method)
- Standby mode: <0.8W
- Off mode: < 0.5 W
- Power LED indicator: Operation - White, Standby/sleep-white (blinking)
- Power supply: Built-in, 100-240VAC, 50/60Hz

## Dimensions

- Product with stand (mm): 396 x 518 x 200 mm
- Product without stand (mm): 319 x 518 x 57 mm
- Packaging in mm (WxHxD): 395 x 580 x 133 mm

## Weight

- Product with stand (kg): 4.08 kg
- Product without stand (kg): 3.78 kg
- Product with packaging (kg): 5.68 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 %
- MTBF: 50,000 hour(s)

## Sustainability

- Environmental and energy: EPEAT Silver, RoHS, EnergyStar 5.0

## Compliance and standards

- Regulatory Approvals: CE Mark, FCC, Class B, SEMKO, TCO 5.0, UL/cUL

## Cabinet

- Color: Black
- Finish: Glossy



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