



Philips  
LED Monitor

19" w (48.3 cm) E-line  
1440x900 HD+

190EL1SB

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

This Eco friendly LED display comes with a superb 1000000:1 contrast ratio. Along with Dual inputs, natural colors, SmartContrast and Glossy finish, the 190EL1 is a great choice for all your needs

### **Great picture quality**

- Ready to display HD content
- 5ms fast response time
- SmartContrast 1,000,000:1 for incredible rich black details
- LED technology ensures natural colors

### **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
- Complies with RoHS standards to care for the environment
- Energy Star for energy efficiency and low power consumption

### **Great convenience**

- Dual input accepts both analog VGA and digital DVI signals
- Easy picture format control switching in wide and 4:3 format

# PHILIPS

LED Monitor  
19" w (48.3 cm) E-line 1440x900 HD+

190EL1SB/00

# Highlights

## High definition monitor

A high definition monitor is a display device designed to deliver the exceptional picture quality of high definition pictures, one fully prepared for HD sources like HD set top boxes. A HD monitor offers picture quality beyond that of progressive scan, conforming to strict standards for HD screens that display high resolution, top picture quality signals through a universal connection for either analog VGA or uncompressed DVI digital connections and supports HDCP. It displays 720p (1280x720p @ 50 and 60 Hz progressive) and 1080i (1920x1080i @ 50 and 60 Hz interlaced) signals.

## 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



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. 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)

## Dual input



VGA connector



DVI connector

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

## 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.

## Glossy finish

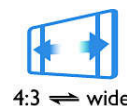
An attractive, elegantly finished glossy finish that fits in with and complements your decor.

## Small footprint

Small footprint to blend into any lifestyle

## Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.



# Specifications

## Connectivity

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

## Picture/Display

- Panel Size: 19 inch / 48.3 cm
- Aspect ratio: 16:10
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Pixel pitch: 0.285 x 0.285 mm
- Optimum resolution: 1440 x 900 @ 60 Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- SmartContrast: 1,000,000:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- 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
- 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

## Stand

- Tilt: -5/20 degree

## Power

- Power supply: Built-in, 100-240VAC, 50/60Hz

- Off mode: <math>\leq 0.5\text{ W}</math>
- On mode: <math>\leq 11.3\text{ W}</math> (EnergyStar 5.0 test method)
- Standby mode: <math>\leq 0.8\text{ W}</math>
- Power LED indicator: Operation - green, Stand by/sleep - Amber

## Dimensions

- Product with stand (mm): 297 x 445 x 64 mm
- Packaging in mm (WxHxD): 358 x 445 x 180 mm
- Product without stand (mm): 360 x 518 x 140 mm

## Weight

- Product with packaging (kg): 3.5 kg
- Product with stand (kg): 3.3 kg
- Product without stand (kg): 4.9 kg

## Operating conditions

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

## Sustainability

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

## Compliance and standards

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

## Cabinet

- Color: Black
- Finish: Glossy

