



Philips  
LED Monitor

**19" w E-line**

18.5" w Display WXGA

**191EL1SB**

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

This eco-friendly LED display comes with a superb 1,000,000:1 contrast ratio. Along with VGA inputs, natural colours, SmartContrast and Glossy finish, the 191EL1 is a great choice for all your needs

### **Great picture quality**

- Ready to display standard and high definition signals
- LED technology ensures natural colours
- SmartContrast 1,000,000:1 for incredible rich black details
- 5 ms 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
- Eco-friendly materials meet major International standards
- Energy Star for energy efficiency and low power consumption

### **Great convenience**

- Auto picture format control switching in wide and 4:3 format

**PHILIPS**  
sense and simplicity

# 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 analogue VGA or uncompressed DVI digital connections and supports HDCP. It displays 720p (1280 x 720p @ 50 and 60 Hz progressive) and 1080i (1920 x 1080i @ 50 and 60 Hz interlaced) signals.

## LED technology

White LEDs are solid state devices which light up to full, consistent brightness faster, saving startup time. LEDs are free from Mercury content which allows for eco-friendly recycling and disposal process. LEDs allow for better dimming control of LCD backlight, resulting in super high contrast ratio. It also gives superior colour 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 black level and accurate rendition of dark shades and colours. It gives a bright, lifelike picture with high contrast and vibrant colours.

## 5 ms 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 artefacts 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 allows for an eco-friendly display throughout its lifecycle, from manufacturing to disposal. Being at the forefront of sustainability and with our longstanding commitment to reduce the environmental impact of our products, we enable consumers to make simple, responsible choices about the products they buy and the impact they have before, during and at the end of their lifecycle.

## Eco-friendly materials

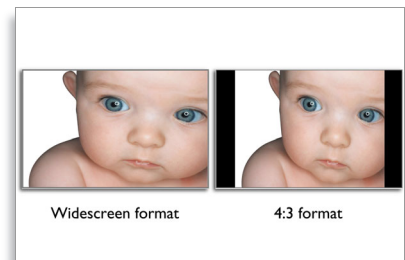
With sustainability as a strategic driver of its business, Philips is committed to using eco-friendly materials across its new product range. Lead-free materials are used throughout. All body plastic parts, metal chassis parts and packing material use 100% recyclable material. A 50% reduction in mercury content in lamps has been achieved.

We strictly adhere to RoHs standards, which ensure that all hazardous material is removed, and that only environmentally friendly material is used. You can read more about sustainability and Philips at <http://www.asimpleswitch.com/global/>

## Energy Star 5.0

Energy Star is a US EPA sponsored energy efficiency programme also adopted by many other countries. Energy Star certification ensures that you are buying a product which meets the latest power efficiency standards and 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)

## Auto picture format control



Philips auto picture format control on OSD is used to switch from 4:3 aspect ratio to widescreen mode and back again to match the display's aspect ratio with your content. It can be used for working with wide documents without having to scroll or for viewing widescreen media in 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
- Aspect ratio: 16:9
- Panel Size: 18.5 inch/46.99 cm
- Pixel pitch: 0.3 x 0.3 mm
- Viewing angle: 176° (H)/170° (V), @ C/R > 5
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: 1,000,000:1
- Contrast ratio (typical): 1000:1
- Response time (typical): 5 ms
- Optimum Resolution: 1366 x 768 @ 60 Hz
- Display colours: 16.7 M
- Scanning Frequency: 30 - 83 kHz (H)/56 -75 Hz (V)
- sRGB

## Connectivity

- Signal Input: VGA (Analogue)
- Sync Input: Separate Sync, Sync on Green

## Convenience

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

## Stand

- Tilt: -5/20 degree

## Power

- Power LED indicator: Operation - Blue, Standby/

- sleep-blue (flashing)
- Power supply: Built-in, 100-240 VAC, 50/60 Hz
- On mode: 12.5 W (EnergyStar 5.0 test method)
- Standby mode: <0.5 W
- Off mode: <0.5 W

## Dimensions

- Product with stand (mm): 369 x 448 x 200 mm
- Product without stand (mm): 286 x 448 x 58 mm
- Packaging in mm (WxHxD): 358 x 508 x 133 mm

## Weight

- Product with stand (kg): 3.04 kg
- Product without stand (kg): 2.79 kg
- Product with packaging (kg): 4.57 kg

## Operating conditions

- Temperature range (operation): 0 to 40 °C
- Temperature range (storage): -20 to 60 °C
- Relative Humidity: 20-80% %
- MTBF: 30,000 hour(s)

## Sustainability

- Environmental and energy: EPEAT Silver, RoHS, Energy Star
- Recyclable packaging material: 100 %

## Compliance and standards

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

## Cabinet

- Colour: Black
- Finish: Glossy



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