



Philips Brilliance  
LCD monitor with  
SmartImage

48 cm (19") w S-line  
Format 16:10

190S1CB

## Ergonomic display enhances productivity

With features like SmartImage, SmartContrast, SmartControl and TrueVision, the energy efficient 190S1 business display enhances your productivity

### Sustainable Eco-friendly solution

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

### Outstanding display performance

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

### Ergonomic design

- 70mm height adjustment for ideal sitting position
- Tilt and swivel adjustment for an ideal viewing angle

### Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II

# PHILIPS

# Highlights

## Dual input



VGA connector



DVI connector

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

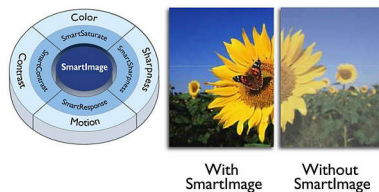
## 70mm height adjustment

The Compact Ergo Base is a 'people friendly' Philips monitor base that tilts, swivels and is height adjustable so each user can position the monitor for maximum viewing comfort and efficiency.

## Screen tilt and swivel

Screen tilt and swivel is a mechanism built into the base permits the monitor to swivel and tilt backward or forward.

## 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.

## 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)

## 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.

## 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.

## 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 / 48.26 cm
- Aspect ratio: 16:10
- LCD panel type: TFT-LCD
- Pixel pitch: 0.243 x 0.243 mm
- Optimum resolution: 1440x900 @ 60Hz
- 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 > 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
- User convenience: SmartImage, Brightness, Menu, Input, Auto, Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese
- Other convenience: VESA mount (100x100mm), Kensington lock

## Stand

- Height adjustment: 70 mm
- Swivel: -45/45 degree
- Tilt: -5/20 degree

## Power

- ECO mode: < 14.5W

- Power supply: Built-in, 100-240VAC, 50/60Hz
- Off mode: < 0.5 W
- On mode: < 17.1W (EnergyStar 5.0 test method)
- Standby mode: < 0.8 W
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Product with stand (mm): 421 x 436 x 201 mm
- Packaging in mm (WxHxD): 485 x 508 x 172 mm
- Product without stand (mm): 305 x 436 x 68 mm

## Weight

- Product with packaging (kg): 6.09 kg
- Product with stand (kg): 4.5 kg
- Product without stand (kg): 3.4 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
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC, Class B, GOST, SEMKO, TCO 5.0, TUV Ergo, TUV/GS, UL/cUL

## Cabinet

- Color: Black
- Finish: Texture



Issue date 2024-03-24

Version: 6.0.3

EAN: 87 12581 49032 4

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