



LCD monitor with SmartImage

- B Line
- 19" (48.3 cm)
- 1280 x 1024 (SXGA)

19B4QCB5/89

Sustainable productivity

with an energy efficient ergonomic LED display

The Philips LED display using 85% recycled materials and PVC, BFR free housing is ideal for eco-friendly productivity

Benefits

Sustainable Eco-design

- SmartPower: Up to 50% power saving
- 100% recyclable packaging
- PVC-BFR free housing

Excellent performance

- IPS technology for full colors and wide viewing angles
- Less eye fatigue with Flicker-free technology
- SmartImage presets for easy optimized image settings

- SmartContrast 2000000:1 for incredible rich black details
- Built-in stereo speakers for multimedia

Designed for people

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

PHILIPS

Features

IPS technology



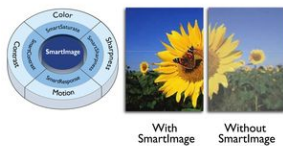
IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

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!

SmartContrast ratio 20000000:1



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.

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.

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.

SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

SmartPower

SmartPower is an artificial intelligent technology which dynamically analyzes the content of the screen image to achieve power saving. The backlight intensity can be controlled automatically and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs

Sustainability

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 selected models, we utilize $\geq 65\%$ Post-Consumer Recycled plastics, ensuring reduction in waste. Strict adherence to RoHS standards ensure substantial reduction or elimination of toxic substances like Lead and Mercury. Our display housing is made up of PVC/BFR free material. For more information, please visit Philips @ <http://www.asimpleswitch.com/global/> to learn more.

PVC-BFR free housing

This Philips monitor housing is free from brominated flame retardant and polyvinyl chloride (PVC-BFR free)

Specifications

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Picture/Display

LCD panel type	IPS technology
Backlight type	W-LED system

Panel Size	19 inch / 48.3 cm
Effective viewing area	374.78 (H) x 299.83 (V)
Aspect ratio	5:4

Optimum resolution	1280 x 1024 @ 60 Hz
Response time (typical)	5 ms (Gray to Gray)*
Brightness	250 cd/m ²
Contrast ratio (typical)	1,000:1
SmartContrast	20,000,000:1
Pixel pitch	0.2928 x 0.2928 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage
Display colors	16.7 M
Scanning Frequency sRGB	30 - 83 kHz (H) / 56 - 76 Hz (V) Yes

Connectivity

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

Convenience

Built-in Speakers	1.5W x 2
User convenience	SmartImage Volume SmartPower Menu Power On/Off
Control software	SmartControl
OSD Languages	Brazil Portuguese Czech Dutch English Finnish French German Greek Hungarian Italian Japanese Korean Polish Portuguese Russian Simplified Chinese Spanish Swedish Traditional Chinese Turkish Ukrainian
Other convenience	Kensington lock VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7

Stand

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

Power

On mode	17.33 W (typ.)
Standby mode	<0.3 W (typ.)
Off mode	<0.2 W (typ.)
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	100-240VAC, 50-60Hz Built-in

Dimensions

Product with stand(max height)	404 x 506 x 227 mm
Product without stand (mm)	404 x 346 x 61 mm
Packaging in mm (WxHxD)	460 x 448 x 159 mm

Weight

Product with stand (kg)	4.61 kg
Product without stand (kg)	2.71 kg
Product with packaging (kg)	6.48 kg

Operating conditions

Temperature range (operation)	0 to 40 °C
Temperature range (storage)	-20 to 60 °C
Relative humidity	20%-80 %
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
MTBF	70,000 hrs (excluded backlight) hour(s)

Sustainability

Environmental and energy	TCO Certified RoHS
Recyclable packaging material	100 %
Recycled material	85%
Specific Substances	PVC / BFR free housing Lead free Mercury free

Compliance and standards

Regulatory Approvals	CE Mark FCC Class B SEMKO cETLus TUV Ergo TUV/GS WEEE CU PSB RCM
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Cabinet

Front bezel	Black
Rear cover	Black
Foot	Black
Finish	Texture

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse



data subject to change
2020, October 2

Version: 6.0.1
EAN: 8712581747367

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