Philips Brilliance
LCD monitor with LED
backlight

LightFrame 2™
23.6"/60 cm

Brilliance

248X3LFHSB

Relax your eyes

Innovative LightFrame display reduces eye fatigue

The innovative Philips LightFrame 2 display with its unique bezel emits specific wavelength cool blue light, which reduces your eye fatigue and improves concentration, giving you a greater sense of well-being.

Your eyes, the route to relaxation
- Innovative LightFrame™ technology relaxes your eyes
- Cool blue lighted bezel helps improve concentration
- SmartKolor for rich vibrant images
- SmartTxt for an optimised reading experience
- SmartImage optimised for ease of use
- LED technology for brilliant images
- HDMI-ready for 16:9 Full HD entertainment

Elegant design to fit your home
- Sophisticated design that expresses your lifestyle
- Aluminium die-cast base embodies purity of form
- Superb high gloss dual tone finish

Greener every day
- Mercury Free eco-friendly display
- Eco-friendly materials that meet international standards
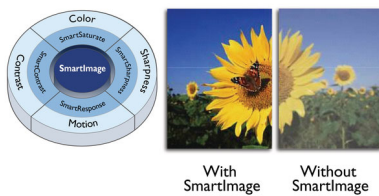
PHILIPS

Highlights

LightFrame™

With its unique LightFrame technology, Philips has continued in the long tradition of putting innovation to meaningful use. LightFrame technology is based on the scientific principle that blue light passed through the eye's third receptor refreshes your biological clock, energizes you and gives you a greater sense of well-being. By using specially developed exclusive materials, Philips LightFrame display emits a specific wavelength blue light from its bezel, helping you to reduce eye fatigue and improving your concentration even after long periods of time in front of the screen.

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 the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.

SmartImage

With | Without
SmartImage | SmartImage

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your display performance. This user-friendly interface a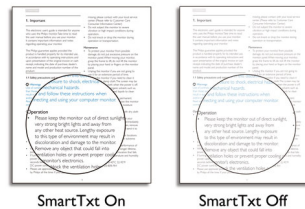llows you to select various modes, like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!

SmartKolor

SmartKolor On — SmartKolor Off

SmartKolor is a sophisticated colour extension technology that is able to enhance the visual colour range of the display. By boosting the RGB gain level of the display, you can achieve rich, vibrant images to experience outstanding photos and videos.

SmartTxt

SmartTxt On — SmartTxt Off

SmartTxt is a sophisticated algorithm that enhances reading of text-based applications such as PDF documents or ebooks, which usually require more focus and concentration.

HDMI-ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input, high quality digital video and audio signals all transmitted over a single cable from a PC or any number of AV sources including set-top boxes, DVD players and A/V receivers and video cameras.

Eco-friendly materials

"Philips is committed to using 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 utilise up to 65% post-consumer recycled plastics. Strict adherence to RoHS standards ensures substantial reduction or elimination of toxic substances like lead, for example. Mercury content in monitors with CCFL backlights has been reduced significantly and eliminated completely in monitors with LED backlights. Visit Philips at http://www.asimpleswitch.com/global/ to learn more.

Mercury Free

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

Specifications

Picture/Display
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Panel Size: 23.6"/59.9 cm
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Response time (typical): 5 ms
- SmartResponse: 2 ms (Grey to Grey)
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.272 x 0.272 mm
- Viewing angle: 170° (H)/160° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Scanning Frequency: 30–83 kHz (H)/56–75 Hz (V)
- sRGB

Connectivity
- Signal Input: HDMI x 2, VGA (Analogue)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

Convenience
- User convenience: SmartImage, Input, Power On/Off, LightFrame, Menu/OK
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7/Vista/XP

Stand
- Tilt: -5/+20 degree

Power
- On mode: 16.72 W (EnergyStar 5.0 test method)
- Standby mode: <0.3 W
- Off mode: <0.3 W
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: 100-240 VAC, 50/60 Hz, External

Dimensions
- Product with stand (mm): 578 x 443 x 194 mm
- Product without stand (mm): 578 x 369 x 40 mm
- Packaging in mm (W x H x D): 630 x 518 x 120 mm

Weight
- Product with stand (kg): 5.10 kg
- Product without stand (kg): 3.60 kg
- Product with packaging (kg): 6.30 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: 30,000 hour(s)

Sustainability
- Environmental and energy: EPEAT Silver, EnergyStar 5.0, RoHS
- Recyclable packaging material: 100 %

Compliance and standards
- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, SASO, SEMKO, TCO 5.2, TUV Ergo, TUV/GS, UL/cUL, WEEE

Cabinet
- Front bezel: Blue light
- Rear cover: Black
- Foot: Black with Aluminium die cast base
- Finish: Glossy

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