

Philips
LCD monitor with
SoftBlue Technology

E-line

27" / 68.6cm
Full HD (1920 x 1080)

274E5EDSB



SoftBlue Technology

protects eyes without sacrificing color

Designed for you: The elegant new Philips E-line monitor features new SoftBlue Technology to protect your eyes and deliver brilliant colorful images.

Superb Picture Quality

- SoftBlue technology protects eyes and maintains color
- AH-IPS display gives awesome images with wide viewing angles
- 16:9 Full HD display for crisp detailed images
- Less eye fatigue with Flicker-Free technology
- SmartImage Lite for easy optimized image settings
- SmartControl Lite: For quick and easy display tuning
- SmartContrast for deep black level details

Stylish design

- Minimalistic looks with Ultra Narrow Bezel
- Superb glossy and texture finish
- VESA mount for convenience

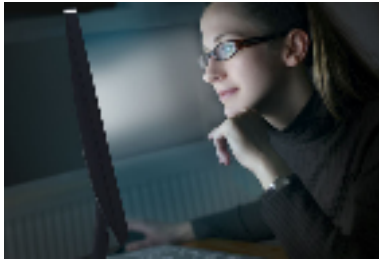
Experience immersive multimedia

- MHL technology for enjoying mobile content on big screen

PHILIPS

Highlights

SoftBlue Technology



Studies have shown that just as ultra-violet rays can cause eye damage, blue light rays from LED displays can cause damage eye damage and affect vision over time. SoftBlue LED technology uses a smart technology to reduce the harmful blue light waves without affecting the color or image of the display. SoftBlue LED technology is certified by international testing organizations SGS Labs and TUV Rheinland to reduce blue light and protect your eyes.

AH-IPS technology



AH-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. Unlike standard TN panels, AH-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.

16:9 Full HD display



The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

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 Lite

SmartImage Lite is an exclusive, leading edge Philips technology that analyzes the content

displayed on your screen. Based on a scenario you select, SmartImage Lite dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

SmartContrast



SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

Ultra Narrow Bezel

Utilizing latest technology panels, the new Philips displays are designed with minimalistic approach by limiting the outer bezel thickness to about 2.5mm. Combined with in-panel black matrix strip of around 9mm, the overall bezel dimensions are reduced significantly allowing for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphics design and professional applications, the Ultra narrow bezel display gives you the feeling of using one large display.



Specifications

Picture/Display

- LCD panel type: AH-IPS LCD
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.6 cm
- Effective viewing area: 597.89 (H) x 336.31 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 14 (GtG) ms
- SmartResponse (typical): 5 ms (GtG)
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.311 x 0.311 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage Lite
- Display colors: 16.7 M
- Scanning Frequency: 30 -83 kHz (H) / 56 -76 Hz (V)
- MHL: 1080p@30Hz
- sRGB
- SoftBlue
- Flicker-free

Connectivity

- Signal Input: MHL-HDMI (digital, HDCP), VGA (Analog), DVI-D (digital, HDCP)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

Convenience

- User convenience: Power On/Off, Menu, Volume, Input, SmartImage lite
- 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 7, Windows 8

Stand

- Tilt: -5/20 degree

Power

- On mode: 19.8 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

Dimensions

- Product with stand (mm): 622 x 470 x 237 mm
- Product without stand (mm): 622 x 375 x 49 mm
- Packaging in mm (WxHxD): 667 x 546 x 106 mm

Weight

- Product with stand (kg): 5.10 kg
- Product without stand (kg): 4.88 kg
- Product with packaging (kg): 7.14 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 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 50,000 (Excluding backlight) hour(s)

Sustainability

- Environmental and energy: EnergyStar 6.0, EPEAT Silver, RoHS, Lead-free, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, CU, EAC, SASO, KUCAS, cETLus, SEMKO, TUV/ISO9241-307, EPA, WEEE, PSB, CECF, VCCI, KCC, KC, TUV Cert. - blue light cut-off

Cabinet

- Color: Black Cherry / Black
- Finish: Glossy / textured



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Version: 3.0.2

12 NC: 8670 001 25849
UPC: 6 09585 24863 2

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* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work

* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.

* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality

* For complete list of MHL-enabled products refer to www.mhlconsortium.org

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

* Smart response time is the optimum value from either GtG or GtG (BW) tests.