# PHILIPS

## LCD monitor

E Line

27" (68.6 cm)

2560 x 1440 (QHD)

275E1S

# Simply stunning

The 27" E Line monitor features stunning visuals and elegant design for a stylish enhancement to your workspace. Experience crystal-clear Quad HD visuals and smooth action with AMD FreeSync technology.

### Features designed for you
- DisplayPort connection for maximum visuals
- HDMI ensures universal digital connectivity
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity

### Greener every day
- Mercury Free eco-friendly display

### Superb Picture Quality
- SmartContrast for rich black details
- IPS LED wide view technology for image and colour accuracy
- Crystal clear images with Quad HD 2560 x 1440 pixels
- SmartImage game mode optimised for gamers
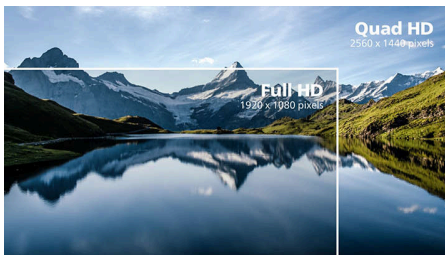- Effortlessly smooth gameplay with AMD FreeSync™ technology
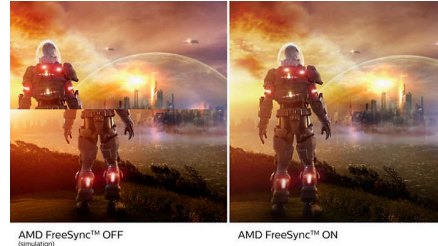
# Highlights

### IPS technology



IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

### CrystalClear images



These Philips screens deliver CrystalClear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high performance panels with a high-density pixel count enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are a demanding professional requiring extremely detailed information for CAD-CAM solutions using 3D graphic applications, or a financial wizard working on huge spreadsheets, Philips displays will give you CrystalClear images.

### Ultra-smooth gaming



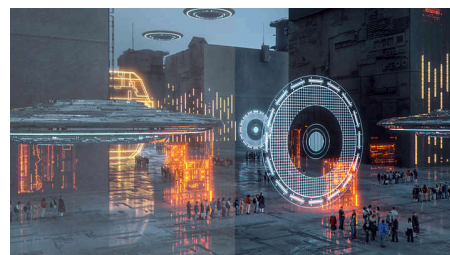AMD FreeSync™ OFF (simulation)          AMD FreeSync™ ON

Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artefact-free performance at virtually any frame rate with AMD FreeSync™ technology, smooth, quick refresh and ultra-fast response time.

### SmartContrast



SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours 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.

### SmartImage Game mode



The new Philips gaming display has quick-access OSD fine-tuned for gamers, offering you multiple options. "FPS" mode (First person shooting)

improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts the display with the fastest response time and high colour, along with image adjustments. "RTS" mode (Real-time strategy) has a special SmartFrame mode that enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customised settings based on different games, ensuring best performance.

### 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.

### LowBlue Mode



Without Low blue mode          With Low blue mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

IPS
Wide Viewing Angle | Quad HD | AMD FreeSync | SmartImage Game | Flicker-free | LowBlue Mode | HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

# Highlights

### HDMI Ready



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

### DisplayPort connection



DisplayPort is a digital link from PC to monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15 metre cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates — making DisplayPort the best choice for not only general office or home use, but also for the more demanding gaming and films, video editing and more. It also keeps interoperability in mind via the use of various adapters.

### 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.

IPS
Wide Viewing Angle

Quad HD

AMD FreeSync

SmartImage™ Game

Flicker-free

LowBlue Mode

# Specifications

## Picture/Display

**Panel Size:** 27 inch/68.6 cm
**Aspect ratio:** 16:9
**LCD panel type:** IPS technology
**Backlight type:** W-LED system
**Pixel pitch:** 0.233 x 0.233 mm
**Brightness:** 250 cd/m²
**Display colours:** 16.7 M
**Colour gamut (typical):** NTSC 93%*, sRGB 104%*
**Contrast ratio (typical):** 1000:1
**SmartContrast:** Mega Infinity DCR
**Response time (typical):** 4 ms (Grey to Grey)*
**Viewing angle:** 178º (H)/178º (V), @ C/R &gt; 10
**Picture enhancement:** SmartImage game
**Maximum resolution:** 2560 x 1440 @ 75 Hz*
**Effective viewing area:** 596.7 (H) x 335.7 (V)
**Scanning Frequency:** 54 - 84 kHz (H) / 49 - 75 Hz (V)
**sRGB**
**Flicker-free**
**Pixel Density:** 109 PPI
**LowBlue Mode**
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%
**AMD FreeSync™ technology**

## Connectivity

**Signal Input:** VGA (Analogue), HDMI (digital, HDCP), DisplayPort x 1
**Sync Input:** Separate Sync, Sync on Green
**Audio (In/Out):** Audio out

## Convenience

**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
**User convenience:** Power On/Off, Menu, Brightness, Input, SmartImage Game
**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 (100 x 100 mm)

## Stand

**Tilt:** -5/20 degree

## Power

**Power supply:** External, 100–240 VAC, 50–60 Hz
**Off mode:** &lt; 0.3 W (typ.)
**On mode:** 23.11 W (typ.) (EnergyStar 7.0 test method)
**Standby mode:** &lt; 0.5 W (typ.)
**Power LED indicator:** Operation - White, Standby mode - White (flashing)
**Energy Label Class:** E

## Dimensions

**Product with stand (mm):** 613 x 461 x 195 mm
**Packaging in mm (W x H x D):** 655 x 511 x 118 mm
**Product without stand (mm):** 613 x 368 x 42 mm

## Weight

**Product with packaging (kg):** 5.71 kg
**Product with stand (kg):** 3.99 kg
**Product without stand (kg):** 3.30 kg

## Operating conditions

**Altitude:** Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
**Temperature range (operation):** 0 to 40 °C
**MTBF:** 50,000 hrs (excluding backlight) hour(s)
**Relative humidity:** 20%-80 %
**Temperature range (storage):** -20 to 60 °C

## Sustainability

**Environmental and energy:** EnergyStar 7.0, RoHS, Mercury Free
**Recyclable packaging material:** 100 %

## Compliance and standards

**Regulatory Approvals:** CCC, CEL, CE Mark, CECP, CU-EAC, TUV-BAUART, TUV/ISO9241-307

## Cabinet

**Colour:** Black
**Finish:** Textured

## What's in the box?

**Cables:** HDMI cable, Power cable
**Monitor with stand**
**User Documentation**

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for either HDMI input or DP input.
* Response time value equal to SmartResponse
* NTSC Area based on CIE 1976
* sRGB Area based on CIE1931
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* The monitor may look different from feature images.

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