

# PHILIPS

## 4K Ultra HD LCD monitor

E Line

27" (68.6 cm)

3840 x 2160 (4K UHD)

278E1A



## Simply stunning

The 27" E Line monitor features stunning visuals and elegant design for a stylish enhancement to your workspace. Ultra-clear 4K UHD with wide view delivers same the ultimate clarity and lifelike visuals from any front-angle view.

### Features designed for you

- DisplayPort connection for maximum visuals
- HDMI ensures universal digital connectivity
- Built-in stereo speakers for multimedia
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- Cable management reduces cable clutter for a neat workspace

### Greener every day

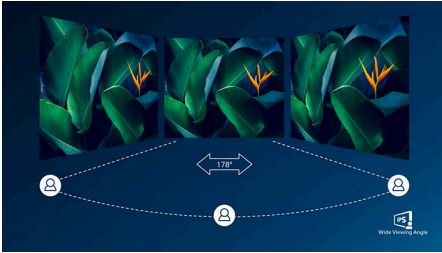
- Low power consumption saves energy bills
- Eco-friendly materials meet major international standards

### Superb Picture Quality

- SmartContrast for rich black details
- IPS LED wide view technology for image and colour accuracy
- UltraClear 4K UHD (3840 x 2160) resolution for precision
- SmartImage game mode optimised for gamers

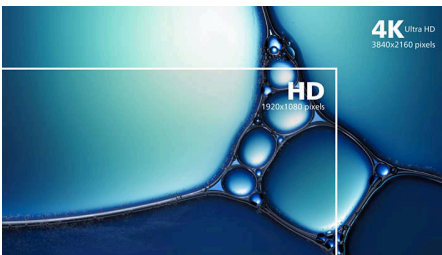
# Highlights

## 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.

## UltraClear 4K UHD Resolution



These Philips displays utilise high-performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are a demanding professional requiring extremely detailed images for CAD solutions, a user of 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

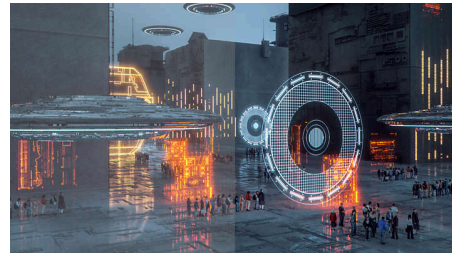
## SmartContrast



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 the 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.

## Concealed cables



For a cleaner workspace, this monitor features an elegant solution for cable management. No need to bundle cables with extra ties. An elongated slot provides hidden storage for cables. It conceals cables and looks great in most environments, especially for a small space or a desk facing a wall or a window. This design cleans up messy cables for a more organised desk.

## Flicker-Free technology



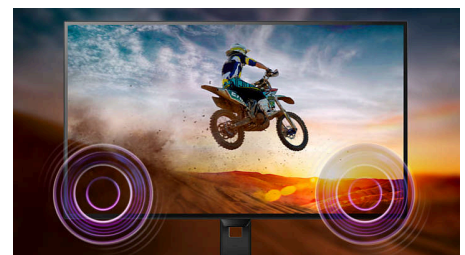
Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## LowBlue Mode



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.

## Built-in stereo speakers



A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.



# 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.

## 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 use up to 65% post-consumer recycled plastics. Strict adherence to RoHS standards ensures a substantial reduction or elimination of toxic substances like lead, for example. Mercury content in monitors with a CCFL backlight has been reduced significantly, and has been eliminated completely in monitors with an LED backlight.



# 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:** 0.155 x 0.155 mm  
**Brightness:** 350 cd/m<sup>2</sup>  
**Display colours:** Colour support 1.07 billion colours  
**Colour gamut (typical):** NTSC: 106.84%, Adobe RGB: 105.01%, DCI-P3: 97.59%\*, sRGB 127.17%\*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 4 ms (Grey to Grey)\*  
**Viewing angle:** 178° (H)/178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage game  
**Maximum resolution:** 3840 x 2160 @ 60 Hz\*  
**Effective viewing area:** 596.74 (H) x 335.66 (V)  
**Scanning Frequency:** 30–83 kHz (H) / 59–61 Hz (V)  
**sRGB**  
**Delta E:** < 2  
**Flicker-free**  
**Pixel Density:** 163 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**SmartUniformity:** 97 ~ 102%

## Connectivity

**Signal Input:** DisplayPort x 1, HDMI x 2  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** PC audio-in, Earphone out

## Convenience

**Built-in Speakers:** 3 W x 2  
**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7  
**User convenience:** Power On/Off, Menu, Volume, 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:** < 0.3 W (typ.)  
**On mode:** 20.3 W (typ.) (EnergyStar test method)  
**Standby mode:** < 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)  
**Energy Label Class:** F

## Dimensions

**Product with stand (mm):** 613 x 461 x 192 mm  
**Packaging in mm (W x H x D):** 663 x 519 x 152 mm  
**Product without stand (mm):** 613 x 368 x 45 mm

## Weight

**Product with packaging (kg):** 6.84 kg  
**Product with stand (kg):** 4.78 kg  
**Product without stand (kg):** 4.18 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 8.0, RoHS, Mercury Free  
**Recyclable packaging material:** 100 %

## Compliance and standards

**Regulatory Approvals:** CU-EAC, TUV/ISO9241-307, cETLus, CE Mark, FCC Class B, ICES-003, CCC, CECP, TUV-BAUART

## Cabinet

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

## What's in the box?

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

