4K Ultra HD LCD monitor

• E Line
• 27" (68.6 cm)
• 3840 x 2160 (4K UHD)

278E1A/00

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 ultimate clarity and life-like visuals from any front angle view.

Benefits

Superb Picture Quality
• IPS LED wide view technology for image and color accuracy
• UltraClear 4K UHD (3840x2160) resolution for precision
• SmartContrast for rich black details
• SmartImage game mode optimized for gamers

Features designed for you
• Cable management reduces cable clutter for neat workspace
• Less eye fatigue with Flicker-free technology
• LowBlue Mode for easy on-the-eyes productivity

• Built-in stereo speakers for multimedia
• HDMI ensures universal digital connectivity
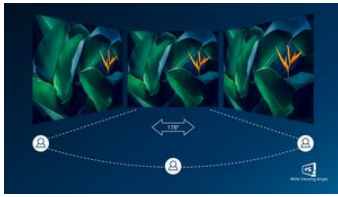• DisplayPort connection for maximum visuals

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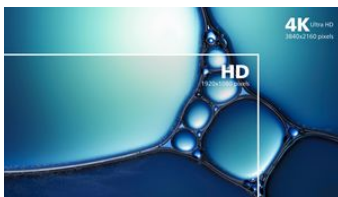• Low power consumption saves energy bills

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. 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.

UltraClear 4K UHD Resolution

These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 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 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.

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 display with fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customized 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 a hidden storage for cables. It conceals cables and looks great in most environments, especially for a small space or the desk that faces a wall or a window. This design cleans up messy cables, for a more organized 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, 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. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

HDMI Ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all 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 15meter 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 demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

Eco-friendly materials

"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 some selected models we utilize upto 65% post consumer recycled plastics. Strict adherence to RoHS standards ensure substantial reduction or elimination of toxic substances like Lead, for example. Mercury content in monitors with CCFL backlight has been reduced significantly, while eliminated in monitors with LED backlight completely.

Specifications

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Picture/Display

LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	27 inch / 68.6 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	596.74 (H) x 335.66 (V)
Aspect ratio	16:9
Maximum resolution	3840 x 2160 @ 60 Hz*
Pixel Density	163 PPI
Response time (typical)	4 ms (Gray to Gray)*
Brightness	350 cd/m²
Contrast ratio (typical)	1000:1
SmartContrast	Mega Infinity DCR
Pixel pitch	0.155 x 0.155 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Picture enhancement	SmartImage game
Color gamut (typical)	NTSC 91%*, sRGB 109%*
Display colors	Color support 1.07 billion colors
Scanning Frequency	30 - 83 kHz (H) / 59 - 61 Hz (V)
Flicker-free	Yes
LowBlue Mode	Yes
SmartUniformity	97 ~ 102%
Delta E	< 2
sRGB	Yes

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
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 (100x100mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7

Stand

Tilt	-5/20 degree

Power

On mode	20.3 W (typ.) (EnergyStar test method)
Standby mode	< 0.5 W (typ.)
Off mode	< 0.3 W (typ.)
Energy Label Class	F
Power LED indicator	Operation - White
	Standby mode- White (blinking)
Power supply	External
	100-240VAC, 50-60Hz

Dimensions

Product with stand (mm)	613 x 461 x 192 mm
Product without stand (mm)	613 x 368 x 45 mm
Packaging in mm (WxHxD)	663 x 519 x 152 mm

Weight

Product with stand (kg)	4.78 kg
Product without stand (kg)	4.18 kg
Product with packaging (kg)	6.84 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	50,000 hrs (excluding backlight) hour(s)

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

Color	Black
Finish	Texured

What's in the box?

Monitor with stand	Yes
Cables	HDMI cable, Audio cable, Power cable
User Documentation	Yes

* "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 CIE1976
* sRGB Area based on CIE1931
* The monitor may look different from feature images.

www.philips.com