

# PHILIPS

Curved LCD monitor  
with Ultra Wide-Color

E Line

32 (31.5" / 80 cm diag.)

3840 x 2160 (4K UHD)

328E1CA



## Simply immersive

The 32" curved E line display offers a truly immersive experience in a stylish design. Ultra-clear 4K UHD with Ultra wide-color and Adaptive-Sync brings your images alive!

### 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 neat workspace

### Curved design inspired by the world around us

- Curved display design for more immersive experience

### Superb Picture Quality

- SmartContrast for rich black details
- VA display delivers awesome images with wide viewing angles
- UltraClear 4K UHD (3840x2160) resolution for precision
- Ultra Wide-Color wider range of colors for a vivid picture
- Effortlessly smooth action with Adaptive-Sync technology

# Highlights

## Curved display design



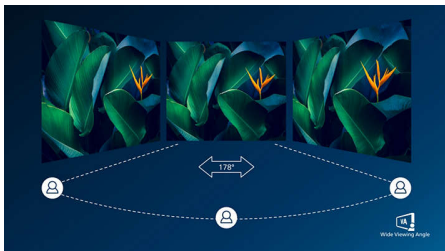
Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

## Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

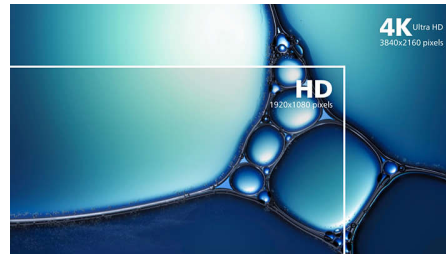
## VA display



Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical

applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

## UltraClear 4K UHD Resolution



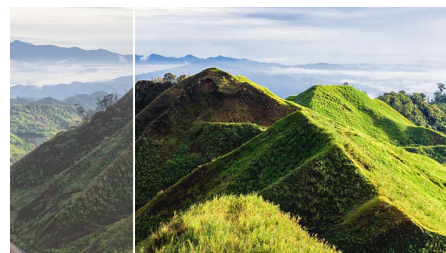
These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips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

## Adaptive-Sync technology



Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artifact-free performance at virtually any framerate with Adaptive-Sync technology, smooth quick refresh and ultra-fast response time.

## 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.

## 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.



CurvedDisplay



Ultra Wide Color



Wide Viewing Angle



Ultra HD



Adaptive-Sync



Flicker-free



LowBlue Mode



HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

# Highlights

## 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.

## 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).

## 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.

## 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.



Built-in Speaker

# Specifications

## Picture/Display

**Panel Size:** 31.5 inch / 80 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** VA LCD  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.182 x 0.182 mm  
**Optimum resolution:** 3840 x 2160 @ 60 Hz  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colors:** Color support 1.07 billion colors  
**Color gamut (typical):** NTSC 99%\*, sRGB 122%\*  
**Contrast ratio (typical):** 2500:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 4 ms (Gray to Gray)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R &gt; 10  
**Picture enhancement:** SmartImage game  
**Effective viewing area:** 697.3 (H) x 392.2 (V) mm - at a 1500R curvature\*  
**Scanning Frequency:** 53 - 84 kHz (H) / 48 - 75 Hz (V)  
**sRGB**  
**Delta E:** < 2  
**Flicker-free**  
**Pixel Density:** 140 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**SmartUniformity:** 97 ~ 102%  
**Adaptive sync**

## Connectivity

**Signal Input:** DisplayPort 1.2, HDMI 2.0 x 2  
**Sync Input:** Separate Sync, Separate Sync (VGA only), Sync on Green  
**Audio (In/Out):** PC audio-in, Audio out

## Convenience

**Built-in Speakers:** 3 W x 2  
**Plug & 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 (100x100mm)

## Stand

**Tilt:** -5/20 degree

## Power

**Power supply:** Internal, 100-240VAC, 50-60Hz  
**Off mode:** < 0.3 W (typ.)  
**On mode:** 61.1 W (typ.)  
**Standby mode:** < 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)  
**Energy Label Class:** G

## Dimensions

**Packaging in mm (WxHxD):** 800 x 625 x 236 mm  
**Product without stand (mm):** 709 x 425 x 88 mm  
**Product with stand(max height):** 709 x 523 x 281 mm

## Weight

**Product with packaging (kg):** 10.51 kg  
**Product with stand (kg):** 7.71 kg  
**Product without stand (kg):** 6.89 kg

## Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**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:** RoHS, Mercury Free  
**Recyclable packaging material:** 100 %

## Compliance and standards

**Regulatory Approvals:** CCC, CECP, CEL, CE Mark, SEMKO, TUV Ergo, TUV/GS, cETLus, CU-EAC

## Cabinet

**Color:** Black  
**Finish:** Textured

## What's in the box?

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

