



Curved LCD monitor with Ultra Wide-Color

- E Line
- 32 (31.5" / 80 cm diag.)
- 3840 x 2160 (4K UHD)

328E1CA/89

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!

Benefits

Curved design inspired by the world around us

- Curved display design for more immersive experience

Superb Picture Quality

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

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

PHILIPS

Features

Curved display design



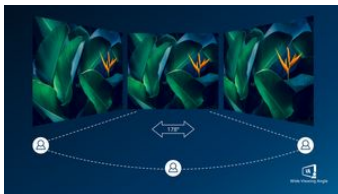
Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.

Ultra Wide-Color Technology



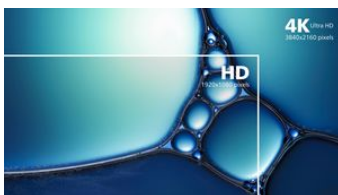
Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color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

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.

Specifications

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Picture/Display

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

Connectivity

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

Convenience

Built-in Speakers	3 W x 2
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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
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Power

On mode	61.1 W (typ.)
Standby mode	< 0.5 W (typ.)
Off mode	< 0.3 W (typ.)
Power LED indicator	Operation - White

Power supply	Standby mode- White (blinking) Internal 100-240VAC, 50-60Hz	Altitude MTBF	Operation: +12,000ft (3,658m), Non- operation: +40,000ft (12,192m) 50,000 hrs (excluding backlight) hour(s)
Dimensions		Sustainability	
Product without stand (mm)	709 x 425 x 88 mm	Environmental and energy	RoHS
Packaging in mm (WxHxD)	800 x 625 x 236 mm	Recyclable packaging material	Mercury Free 100 %
Product with stand(max height)	709 x 523 x 281 mm	Compliance and standards	
Weight		Regulatory Approvals	CE Mark SEMKO TUV Ergo TUV/GS cETLus CU-EAC PSB CB
Product with stand (kg)	7.71 kg	Cabinet	
Product without stand (kg)	6.89 kg	Color	Black
Product with pack- aging (kg)	10.51 kg	Finish	Textured
Operating conditions			
Temperature range (operation)	0 to 40 °C		
Temperature range (storage)	-20 to 60 °C		
Relative humidity	20%-80 %		

- * Radius of the arc of the display curvature in mm
- * Response time value equal to SmartResponse
- * NTSC Area based on CIE1976
- * sRGB Area based on CIE1931
- * The monitor may look different from feature images.



data subject to change
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