



Curved LCD monitor with Ultra Wide-Color

- E Line
- 32 (31.5" / 80 cm diag.)
- Full HD (1920 x 1080)

328E8QJAB5/89

## Ultra-curved, ultra-colorful

Colors like you've never seen before. This brilliant wide-view curved Full HD display with an ultra-wide color range, offers fast action with true-to-life colors for a completely immersive experience.

### 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
- 16:9 Full HD display for crisp detailed images
- Effortlessly smooth gameplay with AMD FreeSync™ technology
- Less eye fatigue with Flicker-free technology

- SmartImage game mode optimized for gamers
- SmartContrast for deep black level details

#### Features designed for you

- Built-in stereo speakers for multimedia
- DisplayPort connection for maximum visuals
- HDMI-ready for Full HD entertainment

**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.

### 16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

### Ultra-smooth gaming



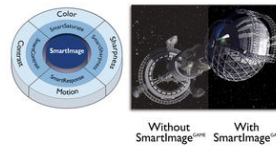
Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artifact-free performance at virtually any framerate with AMD FreeSync™ technology, smooth quick refresh and ultra-fast response time.

### 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.

### 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.

### 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.

### 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.

## DisplayPort connection



DisplayPort

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.

## HDMI Ready



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).

## Specifications

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### Picture/Display

LCD panel type	VA LCD
Backlight type	W-LED system
Panel Size	31.5 inch / 80 cm
Effective viewing area	698.11 (H) x 392.69 (V) - at a 1800R curvature*
Aspect ratio	16:9
Maximum resolution	1920 x 1080 @ 75 Hz*
Response time (typical)	5 ms (Gray to Gray)*
Pixel Density	70 PPI
Brightness	250 cd/m <sup>2</sup>
Contrast ratio (typical)	3000:1
SmartContrast	20,000,000:1
Pixel pitch	0.364 x 0.364 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage game
Color gamut (typical)	NTSC 103%*, sRGB 126%*
Display colors	16.7 M
Scanning Frequency	54 - 84 kHz (H) / 49 - 72 Hz (V)
sRGB	Yes
FreeSync	Yes

### Connectivity

Signal Input	VGA (Analog ) DisplayPort HDMI (digital, HDCP)
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	PC audio-in Headphone out

### Convenience

Built-in Speakers	3 W x 2
User convenience	Power On/Off Menu Volume Input SmartImage Game/Return
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  
Kensington lock  
DDC/CI  
Mac OS X  
sRGB  
Windows 10 / 8.1 / 8 / 7

Other convenience  
Plug & Play Compatibility

### Stand

Tilt -5/10 degree

### Power

On mode	43.82 W (typ.)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	External 100-240VAC, 50-60Hz

### Dimensions

Product with stand (mm)	721 x 525 x 223 mm
Product without stand (mm)	721 x 434 x 76 mm
Packaging in mm (WxHxD)	836 x 648 x 186 mm

### Weight

Product with stand (kg)	7.20 kg
Product without stand (kg)	6.90 kg
Product with packaging (kg)	10.11 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  
RoHS  
Lead-free  
Mercury Free

Recyclable packaging material  
100 %

VCCI  
RCM  
CECP  
BSMI  
WEEE

## Compliance and standards

Regulatory Approvals  
CE Mark  
FCC Class B  
CU-EAC  
TUV/ISO9241-307

## Cabinet

Color  
Finish

Black & Gunmetal  
Glossy

\* Radius of the arc of the display curvature in mm

\* 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 CIE 1931

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\* The monitor may look different from feature images.



data subject to change  
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