



Curved QHD LCD display with Ambiglow

- Momentum
- 32 (31.5" / 80 cm diag.)
- Quad HD (2560 x 1440)

328M6FJRGB/01

## Get in the moment

The Momentum display with HDR and immersive Ambiglow lighting brings you a new level of immersion. 144Hz fast refresh rate gives flawlessly smooth entertainment experience for playing games and watching movies.

### Benefits

#### Design to enhance the senses

- Ambiglow intensifies entertainment with halo of light
- Curved display design for more immersive experience
- Crafted with premium materials for a sophisticated look

#### Superb Picture Quality

- Crystalclear images with Quad HD 2560 x 1440 pixels
- Ultra Wide-Color wider range of colors for a vivid picture
- High Dynamic Range (HDR) for more lifelike colorful visuals

#### Built for fast action

- Effortlessly smooth gameplay with AMD FreeSync™ technology
- 144Hz refresh rates for ultra-smooth, brilliant images

#### Get comfortable

- Height adjustment for ideal sitting position
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology

# PHILIPS

## Features

### Ambiglow Technology



Ambiglow adds a new dimension to your viewing experience. The innovative Ambiglow technology enlarges the screen by creating an immersive halo of light. Its fast processor analyses the incoming image content and continuously adapts the color and brightness of the emitted light to match the image. User friendly options allow you to adjust the ambiance to your liking. Especially suited for watching movies, sports or playing games, Philips Ambiglow offers you a unique and immersive viewing experience.

### 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.

### Crystalclear images

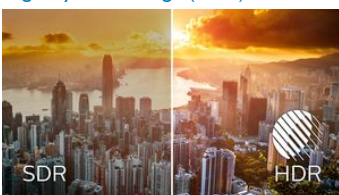
These latest Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like Displayport, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

### 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.

### High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never

before seen on display, giving you a visual experience that engages your senses and inspires emotions.

### 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.

### 144Hz Gaming



You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 144 times per second, effectively 2.4x faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 144Hz frame rate, you get those critical missing images on the screen which shows enemy movement in ultra-smooth motion so you can easily target them. With ultra-low input lag and no screen tearing, this Philips display is your perfect gaming partner

### Ergonomic design

The Smart Ergo Base is a "people friendly" base that delivers screen rotation, swivel, tilt and height adjustment for improved ergonomics and intelligent cable management for a tidy workspace.

### 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.

### 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.

## Specifications

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### Picture/Display

LCD panel type	MVA
Backlight type	W-LED system
Panel Size	31.5 inch / 80 cm
Color gamut (min.)	BT. 709 Coverage: 98.3 %*; DCI-P3 Coverage: 90.9%*
Color gamut (typical)	NTSC 101%*, sRGB 121%*
HDR	DisplayHDR 400 certified
Effective viewing area	697.34 (H) x 392.26 (V) - at a 1800R curvature*
Aspect ratio	16:9
Optimum resolution	2560 x 1440 @ 144 Hz
Response time (typical)	4 ms (Gray to Gray)*
Pixel Density	93 PPI
Brightness	400 cd/m <sup>2</sup>
Contrast ratio (typical)	3000:1
SmartContrast	50,000,000:1
Pixel pitch	0.272 x 0.272 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage game
Display colors	16.7 M
Scanning Frequency	30 - 230 kHz (H) / 48 - 144 Hz (V)
sRGB	Yes
LowBlue Mode	Yes
FreeSync	FreeSync 2

### Connectivity

Signal Input	VGA (Analog ) DisplayPort 1.4 x 2 HDMI 1.4 x 1 HDMI 2.0 x 1
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	PC audio-in Headphone out

### Convenience

Built-in Speakers	5 W x 2
User convenience	Menu/OK Input/Up SmartImage Game/Return SmartSize/Down Power On/Off
Control software	SmartControl
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	Ambiglow Kensington lock VESA mount (100x100mm)

Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7
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### Stand

Height adjustment	130 mm
Tilt	-5/20 degree

### Power

On mode	61 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(max height)	713 x 606 x 286 mm
Product without stand (mm)	713 x 427 x 52 mm
Packaging in mm (WxHxD)	831 x 607 x 396 mm

### Weight

Product with stand (kg)	7.87 kg
Product without stand (kg)	6.11 kg
Product with packaging (kg)	12.16 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 WEEE
Recyclable packaging material	100 %

### Compliance and standards

Regulatory Approvals	CE Mark FCC Class B CU-EAC RCM CCC
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### Cabinet

Color	Black
Finish	Glossy / Textured

### What's in the box?

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

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- \* This Philips display is capable of achieving upto 144Hz refresh rates thru its HDMI 2.0 and DisplayPort connector. Please ensure your graphics card is capable of 144Hz refresh rates and updated with the latest driver.
- \* For any questions related to 144Hz performance please refer to your card vendor directly.
- \* 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 CIE 1931
- \* The monitor may look different from feature images.



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