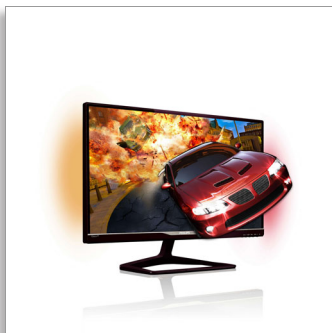Philips Brilliance
LCD monitor with
Ambiglow

Gioco
27" (68.6 cm)
3D Ambiglow display

278G4DHSD

Brilliant Ambiglow display

for immersive 3D gaming

Intensify your gaming with this iconic Philips Gioco 3D display with Ambiglow. By creating a image-matching halo of light on rear wall, the innovative Ambiglow visually enlarges the screen and gives you a truly immersive 3D experience

Iconic design reflects your lifestyle
- Iconic design with diamond faceted back
- Minimalistic looks with Ultra Narrow Bezel

Brilliant Ambiglow performance
- Adjust ambiance to your liking and reduce eye fatigue
- AH-IPS display for brilliant images with vivid colors
- Smart Bias 6500K lighting ensures optimum viewing experience
- Ambiglow intensifies your 3D experience with halo of light
- USB 3.0 enables fast data transfers and smart phone charging
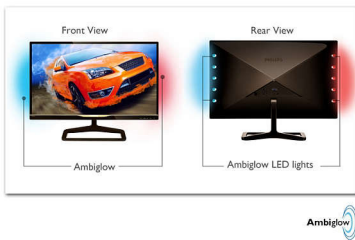- Fast-charge your mobile device

Immersive 3D gaming
- Auto 3D with latest Blu-ray and game consoles with HDMI
- SmartImage game mode optimized for gamers
- Play 3D games on your PC with bundled software
- Flicker free 3D performance

PHILIPS

Highlights

Ambiglow

Front View   Rear View
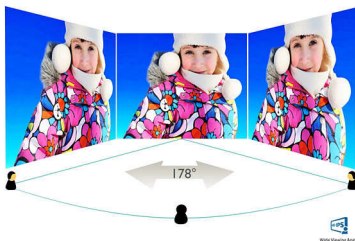
Ambiglow   Ambiglow LED lights

Ambiglow adds a new dimension to your viewing experience. The innovative Ambiglow technology enlarges the screen by creating a halo of light on the surrounding wall from the rear of the monitor. 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 and also help reduce eye fatigue. Especially suited for watching movies, sports or playing 2D or 3D games, Philips Ambiglow offers you a unique and immersive viewing experience.

Smart Bias light

Smart Bias lighting mode enables you to enjoy optimum image quality with viewing comfort. In a dark room, your eyes dilate and constrict with the constantly changing images which may lead to Computer Vision Syndrome. Smart Bias light creates a soft halo of static 6500k white light on the surrounding wall around the monitor. Especially suited for people who spend extended time on their display, it not only helps reduce eye strain and fatigue, but also eliminates reflections and glares from room lighting enhancing perceived contrast ratio and picture details, preserving correct color perception

AH-IPS technology

178°

Wide Viewing Angle

This latest Philips display uses advanced AH-IPS panels resulting in superior color

reproduction, response time and power consumption. Unlike standard TN panels, AH-IPS panels show consistent color even at 178 degrees wide angles and in pivot mode. With remarkable performance, AH-IPS is best suited for applications demanding color accuracy and consistent brightness at all times like photo retouching, graphics applications and web browsing.

Ultra Narrow Bezel

Utilizing latest technology panels, the new Philips displays are designed with minimalistic approach by limiting the outer bezel thickness to about 2.5mm. Combined with in-panel black matrix strip of around 9mm, the overall bezel dimensions are reduced significantly allowing for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphics design and professional applications, the Ultra narrow bezel display gives you the feeling of using one large display.

Flicker free 3D

Flicker free 3D ensures that you get long hours of comfortable entertainment. It's affordable, light weight zero flicker glasses do not require any batteries or cable connections. Now finally you can set yourself free from all the hassles and enjoy 3D performance with your family !

Auto 3D with HDMI

With Blu-ray gaming and movie players with HDMI 1.4a compatible connection, the Philips 3D display will auto-switch to 3D mode and give you awesome images straight away. No more fussing with adjustments!

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.

USB 3.0 super speed

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the global standard allowing you to use the large capacity storage devices. Sync-N-Go technology ensures you don't have to wait anymore for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backward compatible.

Fast mobile device charger

This new Philips display comes with a built in USB 3.0 fast-charger. Employing a special circuit which boosts power output to 1.5A, this display will fast charge your mobile device while allowing for simultaneous super-speed data transfers saving you time and money. You can charge any standard device using the USB charging method.

Adjust ambiance

Adjust ambiance to your liking and reduce eye fatigue

3D games

Play 3D games on your PC with bundled software

Diamond faceted back design

Iconic design with diamond faceted back

Specifications

Connectivity
- Signal Input: HDMI x 3, VGA (Analog)
- USB: USB 3.0 x 4
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

Ambiglow
- Ambiglow features: Auto (on) Variable brightness control, Smart Bias Light

Picture/Display
- Panel Size: 27 inch / 68.6 cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.311 x 0.311 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 14 ms
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage game
- SmartResponse: 7 ms in 2D mode
- Effective viewing area: 597.9 (H) x 336.3 (V) mm
- Scanning Frequency: 30 - 83 kHz (H) / 50 - 75 Hz (V)
- sRGB
- 3D Viewing angle: 60° @ 3D CT < 10

Convenience
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7
- User convenience: 3D/Up, Ambiglow/Down, SmartImage game/Back, Menu/OK, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock

Stand
- Tilt: -5/+20 degree

Power
- Power supply: 100-240VAC, 50-60Hz, External
- Off mode: 0.3 W
- On mode: 25.94 W (typ.) (energyStar 5.0 test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions
- Product with stand (mm): 623 x 471 x 197 mm
- Packaging in mm (WxHxD): 685 x 527 x 142 mm
- Product without stand (mm): 623 x 376 x 44 mm

Weight
- Product with packaging (kg): 9.25 kg
- Product with stand (kg): 5.44 kg
- Product without stand (kg): 5.00 kg

Operating conditions
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability
- Environmental and energy: EnergyStar 5.0, RoHS, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards
- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, SEMKO, TCO Certified, TUV/ISO9241-307, UL/cUL, WEEE

Cabinet
- Color: Black Cherry
- Finish: Glossy

3D Requirements
- Auto 3D: Requires HDMI 1.4a
- PC hardware: Requires AMD/nVidia VGA card*, 2D to 3D: Support all VGA card
- Software: Free Tridef 3D software bundle

* Avoid looking directly at the Ambiglow LED's as they are very bright, and may cause temporary blurred vision.
* If you experience any discomfort such as dizziness, headache or disorientation, we recommend not watching 3D for extended periods of time.
* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age.
* Please carefully read the instruction manual to learn more about 3D and health
* For VGA card and other requirements for 3D operation, please visit www.philips.com/support for further details.