

Philips Business Monitor
LCD monitor

5000 series

27" (68.5 cm)
2560 x 1440 (Quad HD)

27B2G5500



Incredible efficiency meets ultra power-saving

This monitor is built for energy efficiency. With its LightSensor and PowerSensor, these two features combine to make a power-saving monitor that is a great all-around option for your office.

Brilliant performance

- 100 Hz Fast Refresh: for ultra-smooth images
- Crystal clear images with Quad HD 2560 x 1440 pixels
- IPS technology for full colours and wide viewing angles

Eco-friendly materials for sustainability

- Environmentally sustainable and user-friendly packaging

Energy efficiency - Eco-conscious power savings

- LightSensor for the perfect brightness with minimal power
- PowerSensor saves up to 70% energy costs

Designed for comfortable productivity

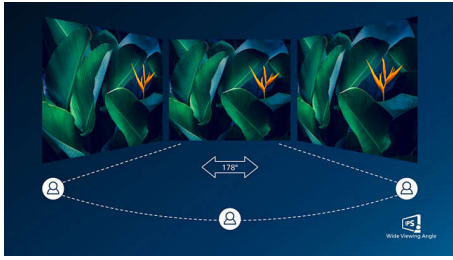
- Eyesafe-certified blue light protection and colour accuracy
- EasyRead mode for a paper-like reading experience
- SoftBlue Technology: for comfortable viewing
- LowBlue mode and Flicker-free easy-on-the eyes viewing

PHILIPS

LCD monitor
5000 series 27" (68.5 cm), 2560 x 1440 (Quad HD)

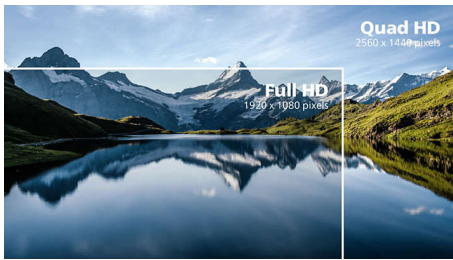
Highlights

IPS technology



IPS displays use advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in 90-degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colours, making it ideal not only for Photos, films and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

CrystalClear images



These Philips screens deliver Crystal Clear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high-performance panels with a high-density pixel count, enabled by high bandwidth sources like USB-C, Displayport and HDMI, these new displays will make your images and graphics come alive. Whether you are a demanding professional who requires extremely detailed information for CAD-CAM solutions and uses 3D graphic applications, or a financial wizard working on huge spreadsheets, Philips displays will give you Crystal Clear images.

100 Hz fast refresh



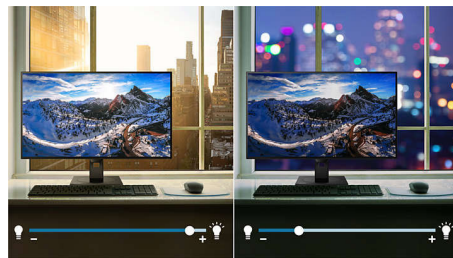
This Philips display redraws the screen image up to 100 times per second, which makes this monitor much faster than a standard display. With a 100 Hz frame rate, gamers are able to find those critical images on the screen that show enemy movement in ultra-smooth motion so that they are easily targetable.

Eco-Friendly Packaging



This monitor comes in packaging that is not only made of 100 percent recyclable material but is also FSC certified. This type of certification ensures that your monitor's packaging is made with the environment and sustainability in mind.

LightSensor

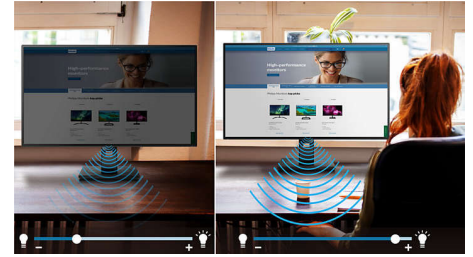


LightSensor uses a smart sensor to adjust the picture brightness depending on the light

27B2G5500/00

conditions in the room for the perfect picture with minimal power usage.

PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.

TUV Rheinland Eyesafe - RPF® 40



Philips display meets the TUV Rheinland Eyesafe® standard to truly protect you from long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees colour integrity.



Specifications

Picture/Display

- Panel Size: 27 inch/68.5 cm
- Aspect ratio: 16:9
- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.2331 x 0.2331 mm
- Optimum resolution: 2560 x 1440 @ 60 Hz
- Brightness: 300 cd/m²
- Colour gamut (typical): sRGB: 108%, NTSC: 94% *
- Contrast ratio (typical): 1500:1
- SmartContrast: 50,000,000:1
- Response time (typical): 4 ms (Grey to Grey)*
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Maximum resolution: 2560 x 1440 @ 100 Hz
- Effective viewing area: 596.74 (H) x 335.66 (V) mm
- Scanning Frequency: 30k - 150 kHz (H)/48 - 100 Hz (V)
- sRGB
- SoftBlue
- Flicker-free
- Pixel Density: 109 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- EasyRead
- Adaptive sync

Connectivity

- Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Audio out
- HDCP: HDCP 1.4 (HDMI/DisplayPort); HDCP 2.2 (HDMI/DisplayPort)
- USB Hub: USB3.2, Gen1, 5G; Upstream: USB-B x 1; Downstream: USB 3.2 x 4, (with 1 for fast charge B.C 1.2)

Convenience

- Built-in Speakers: 3 W x 2
- Plug and Play Compatibility: DDC/CI, Mac OS, sRGB, Windows 11/10
- User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100 x 100 mm), Earphone hook
- Control software: SmartControl

Stand

- Height adjustment: 150 mm
- Pivot: +/-90 degree
- Swivel: +/- 180 degree
- Tilt: -5/30 degree

Power

- ECO mode: 8.3 W (typ.)
- Power supply: Built-in, 100–240 VAC, 50–60 Hz
- Off mode: 0.3 W (typ)
- On mode: 11.11 W (typ.) (Energy Star test method)
- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Energy Label Class: B

Dimensions

- Packaging in mm (W x H x D): 730 x 445 x 159 mm
- Product without stand (mm): 614 x 368 x 58 mm
- Product with stand (max height): 614 x 543 x 235 mm

Weight

- Product with packaging (kg): 9.77 kg
- Product with stand (kg): 6.77 kg
- Product without stand (kg): 5.01 kg

Operating conditions

- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- Temperature range (operation): 0°C to 40 °C
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60 °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: Energy Star 8.0, EPEAT*, RoHS, PowerSensor, LightSensor
- Post-consumer recycled plastic: 85%+OBP 5%
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC/BFR free housing

Compliance and standards

- Regulatory Approvals: CB, CE Mark, EPA, Energy Star 8.0, TUV/GS, TUV Ergo, TCO 10.0, TCO Certified Edge, EAC, EAEU RoHS, UKCA, EMF, FCC, ICES-003, TUV Eyesafe certified

Cabinet

- Finish: Texture
- Foot: Silver
- Front bezel: Charcoal
- Rear cover: Charcoal

What's in the box?

- Cables: HDMI cable, DisplayPort cable, Power cable
- Monitor with stand
- User Documentation



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Version: 1.1.1

EAN: 87 21038 00178 5

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* Response time value equal to SmartResponse

* sRGB Area based on CIE1931, NTSC Area based on CIE1976.

* When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.

* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.

* The monitor may look different from feature images.

* The products and accessories listed on this leaflet may differ by country and region.