

Philips  
QHD LCD monitor

## B Line

27" (68.6 cm)  
Quad HD (2560 x 1440)

272B8QJEB



# Crystal-clear image

efficient performance for maximum productivity

Get your best work done with the Philips 27" Quad HD monitor. Crystal-clear Quad HD gives you the space and clarity to see your work. Features like Flicker-free and LowBlue mode make work easy on the eyes.

### Brilliant performance

- Crystal clear images with Quad HD 2560 x 1440 pixels
- 1.074 billion colours for smooth colour gradations and detail
- IPS technology for full colours and wide viewing angles

### Designed for comfortable productivity

- LowBlue Mode for easy-on-the-eyes productivity
- Less eye fatigue with Flicker-Free technology
- SmartErgoBase enables user-friendly ergonomic adjustments
- EasyRead mode for a paper-like reading experience

### Features for the way you work

- Built-in stereo speakers for multimedia
- USB 3.0 enables fast data transfers and smart phone charging
- SmartConnect with DisplayPort, HDMI and VGA connections

### Sustainable Eco-design

- 85% post consumer recycled plastics with TCO Edge

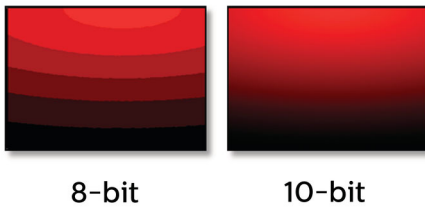
# PHILIPS

# Highlights

## CrystalClear images

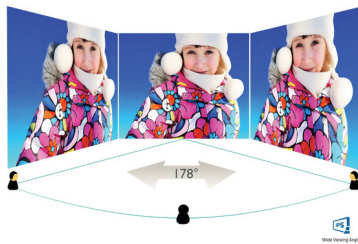
These latest Philips screens deliver CrystalClear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilising high-performance panels with a high-density pixel count, enabled by high-bandwidth sources like DisplayPort, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are a 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.

## 10-bit colours



The 10-bit display delivers rich colour depth with 1.074 billion colours and 12-bit internal processing for recreating smooth, natural colours without gradations and colour banding.

## 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.

## 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, the 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.

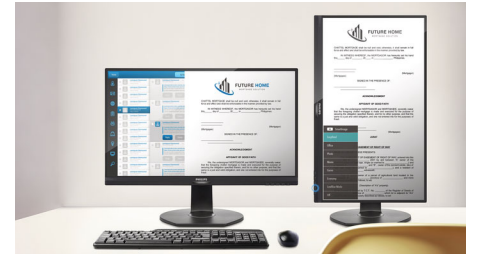
## SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help

ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

## EasyRead mode



EasyRead mode for a paper-like reading experience

## Built-in stereo speakers

A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

## USB 3.0 super speed

Super Speed USB 3.0 deploys a 5.0 Gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard, significantly reducing data transfer time and 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 large-capacity storage devices. Sync-N-Go technology ensures that you no longer have to wait for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backwards compatible.

## SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multiple connections like VGA, Display Port and universal HDMI connector, enabling you to enjoy high-resolution uncompressed video and audio content. USB connections ensure that you can have super-speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!



Quad HD



Wide Viewing Angle



LowBlue Mode



Flicker-free



SmartErgo Base



EasyRead



Built-in Speaker



SmartConnect



TCO Certified

# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 596.7 (H) x 335.7 (V)
- Aspect ratio: 16:9
- Optimum resolution: 2560 x 1440 @ 60Hz
- Pixel Density: 109 PPI
- Response time (typical): 5 ms (Grey to Grey)\*
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.233 x 0.233 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Colour gamut (typical): NTSC 72% (CIE1931)
- Display colours: Colour support 1.07 billion colours
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode
- Adaptive sync

## Connectivity

- Signal Input: VGA (Analogue), DVI-Dual Link (digital, HDCP), DisplayPort 1.2, HDMI 1.4
- USB: USB 3.0 x 2 (1 w/fast charging)\*, USB 2.0 x 2
- Audio (In/Out): PC audio-in, Headphone out
- Sync Input: Separate Sync, Sync on Green

## Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, Brightness, Menu, 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: Kensington lock, VESA mount (100 x 100 mm)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Height adjustment: 130 mm
- Pivot: +/- 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

## Power

- ECO mode: 16.7 W (typ.)
- On mode: 20.5 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: <0.5 W (typ.)
- Off mode: Zero watts with Zero switch
- Energy Label Class: A
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: Built-in, 100-240 VAC, 50-60 Hz

## Dimensions

- Product with stand (max height): 625 x 530 x 224 mm
- Product without stand (mm): 625 x 370 x 51 mm
- Packaging in mm (W x H x D): 699 x 454 x 242 mm

## Weight

- Product with stand (kg): 6.90 kg
- Product without stand (kg): 4.59 kg
- Product with packaging (kg): 9.96 kg

## Operating conditions

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

## Sustainability

- Environmental and energy: EnergyStar 7.0, EPEAT Gold\*, TCO edge, RoHS, WEEE
- Recyclable packaging material: 100 %
- Post-consumer recycled plastic: 85%
- Specific Substances: PVC/BFR free housing, Mercury free, Lead free

## Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TCO edge, TUV Ergo, TUV/GS, EPA, ICES-003, UKRAINIAN, CCC, MEPS, PSE, RCM, VCCI

## Cabinet

- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

## What's in the box?

- Monitor with stand
- Cables: D-Sub cable, HDMI cable, DP cable, Audio cable, Power cable
- User Documentation



Issue date 2019-05-23

Version: 4.0.1

12 NC: 8670 001 51266  
EAN: 87 12581 74975 0

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\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.  
\* The EPEAT rating is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for the registration status in your country.  
\* Fast charging complies with USB BC 1.2 standard  
\* Response time value equal to SmartResponse  
\* The monitor may look different from feature images.