



QHD LCD monitor

- B Line
- 27" (68.6 cm)
- 2560 x 1440 (QHD)

272B8QJEB/01

## 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.

### Benefits

#### Brilliant performance

- Crystalclear images with Quad HD 2560 x 1440 pixels
- 1.074 billion colors for smooth color gradations and detail
- IPS technology for full colors 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 people-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

- Designed to meet environmental standards

**PHILIPS**

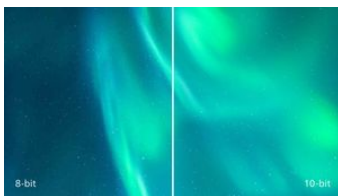
## Features

### Crystalclear images



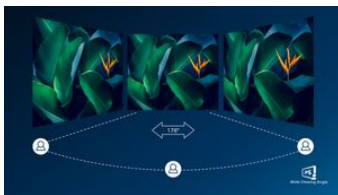
These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like Displayport, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether 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.

### 10-bit colors



The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal processing for re-creating smooth, natural colors without gradations and color banding.

### IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, 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 colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color 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, 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 base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

### EasyRead mode



### 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.

### 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-IN-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.

## SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB connections ensures 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!

## Specifications

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### Picture/Display

|                          |                                   |
|--------------------------|-----------------------------------|
| LCD panel type           | IPS technology                    |
| Adaptive sync            | Yes                               |
| 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 (Gray to Gray)*              |
| Brightness               | 250 cd/m <sup>2</sup>             |
| Contrast ratio (typical) | 1000:1                            |
| SmartContrast            | 50,000,000:1                      |
| Pixel pitch              | 0.233 x 0.233 mm                  |
| Viewing angle            | 178° (H) / 178° (V)<br>@ C/R > 10 |
| Flicker-free             | Yes                               |
| Picture enhancement      | SmartImage                        |
| Color gamut (typical)    | NTSC 72% (CIE1931)                |
| Display colors           | Color support 1.07 billion colors |
| Scanning Frequency       | 30 - 83 kHz (H) / 56 - 76 Hz (V)  |
| sRGB                     | Yes                               |
| EasyRead                 | Yes                               |
| LowBlue Mode             | Yes                               |

### Connectivity

|                |                                                                              |
|----------------|------------------------------------------------------------------------------|
| Signal Input   | VGA (Analog)<br>DVI-Dual Link (digital, HDCP)<br>DisplayPort 1.2<br>HDMI 1.4 |
| USB            | USB 3.0x2 (1 w/fast charging)*<br>USB 2.0 x 2                                |
| Audio (In/Out) | PC audio-in<br>Headphone out                                                 |
| Sync Input     | Separate Sync<br>Sync on Green                                               |

### Convenience

|                   |                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Built-in Speakers | 2 W x 2                                                                                                                                                      |
| User convenience  | SmartImage<br>Input<br>Brightness<br>Menu<br>Power On/Off                                                                                                    |
| Control software  | SmartControl                                                                                                                                                 |
| OSD Languages     | Brazil Portuguese<br>Czech<br>Dutch<br>English<br>Finnish<br>French<br>German<br>Greek<br>Hungarian<br>Italian<br>Japanese<br>Korean<br>Polish<br>Portuguese |

## Designed for sustainability

Designed for sustainability, and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR, EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: <https://www.energystar.gov/> EPEAT: <https://www.epeat.net/> TCO Certified: <https://tcocertified.com/>

|                           |                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Other convenience         | Russian<br>Simplified Chinese<br>Spanish<br>Swedish<br>Traditional Chinese<br>Turkish<br>Ukrainian<br>Kensington lock<br>VESA mount (100x100mm) |
| Plug & Play Compatibility | DDC/CI<br>Mac OS X<br>sRGB<br>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            | 16.4 W (typ.)                                       |
| On mode             | 34.2 W (typ.)                                       |
| Standby mode        | <0.5 W (typ.)                                       |
| Off mode            | Zero watts with Zero switch                         |
| Energy Label Class  | F                                                   |
| Power LED indicator | Operation - White<br>Standby mode- White (blinking) |
| Power supply        | Built-in<br>100-240VAC, 50-60Hz                     |

### 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 (WxHxD)        | 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: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m) |
| MTBF (demonstrated)           | 70,000 hrs (excluded backlight)                                   |

### Sustainability

|                          |                            |
|--------------------------|----------------------------|
| Environmental and energy | TCO Certified Edge<br>RoHS |
|--------------------------|----------------------------|

|                                |                                        |
|--------------------------------|----------------------------------------|
| Recyclable packaging material  | WEEE<br>100 %                          |
| Post consumer recycled plastic | 85%                                    |
| Specific Substances            | PVC / BFR free housing<br>Mercury free |

#### Compliance and standards

|                      |                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------|
| Regulatory Approvals | CE Mark<br>FCC Class B<br>SEMKO<br>cETLus<br>CU-EAC<br>TUV Ergo<br>TUV/GS<br>ICES-003<br>UKRAINIAN<br>CCC |
|----------------------|-----------------------------------------------------------------------------------------------------------|

MEPS  
PSE  
RCM  
VCCI

#### Cabinet

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

#### What's in the box?

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| Monitor with stand | Yes                                                            |
| Cables             | D-Sub cable, HDMI cable, DP cable,<br>Audio cable, Power cable |
| User Documentation | Yes                                                            |

- \* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
- \* Fast charging complies with USB BC 1.2 standard
- \* Response time value equal to SmartResponse
- \* The monitor may look different from feature images.



data subject to change  
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