



#### QHD LCD Monitor with PowerSensor

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

272B7QPJEB/27

## Crisp views, efficient performance

with PowerSensor

The Philips PowerSensor display using 85% post consumer recycled plastics and PVC, BFR free housing is ideal for eco-friendly productivity

### Benefits

#### Brilliant performance

- Crystalclear images with Quad HD 2560 x 1440 pixels
- IPS technology for full colors and wide viewing angles
- Narrow border display for seamless appearance
- SmartImage presets for easy optimized image settings

#### 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

#### 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

- PowerSensor saves up to 80% energy costs

# PHILIPS

## Features

### 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.

### IPS technology



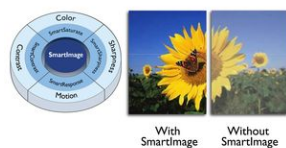
IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal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

### UltraNarrow Border



The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

### SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

### 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.

### 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.

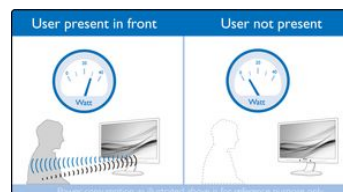
### USB 3.0 super speed

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 latest 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.

### 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!

### PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces

monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

## Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

### 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                |
| Response time (typical)  | 5 ms (Gray to Gray)*              |
| Brightness               | 350 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)<br>@ C/R > 10 |
| Flicker-free             | Yes                               |
| Picture enhancement      | SmartImage                        |
| Display colors           | 16.7M (True 8 bit)                |
| Scanning Frequency       | 30 - 99 kHz (H) / 50 - 76 Hz (V)  |
| sRGB                     | Yes                               |
| LowBlue Mode             | Yes                               |

### Connectivity

|                |                                              |
|----------------|----------------------------------------------|
| Signal Input   | VGA (Analog )<br>DisplayPort 1.2<br>HDMI 1.4 |
| Sync Input     | Separate Sync<br>Sync on Green               |
| USB            | USB 3.0x4 (1 w/fast charging)*               |
| Audio (In/Out) | PC audio-in<br>Headphone out                 |

### Convenience

|                           |                                                                                                                                                                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Built-in Speakers         | 2 W x 2                                                                                                                                                                                                                                                            |
| User convenience          | SmartImage<br>Input<br>PowerSensor<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<br>Russian<br>Simplified Chinese<br>Spanish<br>Swedish<br>Traditional Chinese<br>Turkish<br>Ukrainian |
| Other convenience         | 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 | 150 mm          |
| Pivot             | 90 degree       |
| Swivel            | -175/175 degree |
| Tilt              | -5/30 degree    |

### Power

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| ECO mode            | 18.5 W (typ.)                                       |
| On mode             | 24.1 W (typ.) (EnergyStar 7.0 test method)          |
| Standby mode        | < 0.3 W (typ.)                                      |
| Off mode            | Zero watts with Zero switch                         |
| 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) | 614 x 548 x 257 mm      |
| Product with stand(max height) | 24.2 x 21.6 x 10.1 inch |
| Product without stand (mm)     | 614 x 372 x 56 mm       |
| Product without stand in inch  | 24.2 x 14.6 x 2.2 inch  |
| Packaging in mm (WxHxD)        | 690 x 458 x 252 mm      |
| Packaging in inch (WxHxD)      | 27.2 x 18.0 x 9.9 inch  |

### Weight

|                             |          |
|-----------------------------|----------|
| Product with stand (kg)     | 7.86 kg  |
| Product with stand (lb)     | 17.29 lb |
| Product without stand (kg)  | 5.44 kg  |
| Product without stand (lb)  | 11.97 lb |
| Product with packaging (kg) | 10.62 kg |
| Product with packaging (lb) | 23.36 lb |

### 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       | PowerSensor<br>EnergyStar 7.0<br>EPEAT Gold*<br>TCO edge<br>RoHS<br>WEEE |
| Recyclable packaging material  | 100 %                                                                    |
| Post consumer recycled plastic | 85%                                                                      |

Specific Substances      PVC / BFR free housing  
Mercury free  
Lead free

EPA  
ICES-003  
UKRAINIAN  
CECP

#### Compliance and standards

Regulatory Approvals      CE Mark  
FCC Class B  
SEMKO  
cETLus  
CU-EAC  
TCO edge  
TUV Ergo  
TUV/GS

#### Cabinet

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

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



data subject to change  
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