Philips Brilliance
QHD LCD Monitor with
PowerSensor

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

*Brilliance*

272B7QPTKEB

# 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

### Brilliant performance

- Crystalclear images with Quad HD 2560 x 1440 pixels
- IPS technology for full colors and wide viewing angles
- Edge-to-edge glass and narrow border for seamless appearance

### 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

- Webcam pops up when you need it; secures down when you don't
- DisplayPort-out for connecting additional displays
- SmartConnect with DisplayPort, HDMI and VGA connections

### Sustainable Eco-design

- PowerSensor saves up to 80% energy costs
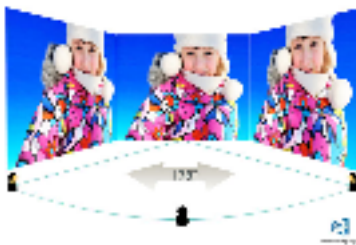- LightSensor for the perfect brightness with minimal power

# PHILIPS

# Highlights

### 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.

### 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.

### Pop-up webcam

Webcams are great for connecting with others and collaborating on that important project. Sometimes, though, you don't want a webcam looking down on your desk. Our ingenious new pop-up webcam design pops up when it's time for meetings and for security tucks away nicely when you are not using it.

### DisplayPort-out

With DisplayPort-out you can connect multiple high resolution displays with just one cable from your first display to the PC. The ability to daisy chain multiple displays enables you to create a clean desktop without the hassle of too many wires all over.

### 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

## Picture/Display
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.5 cm
- 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/m²
- 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
- Display colors: 16.7M (True 8 bit)
- Scanning Frequency: 30 - 99 kHz (H) / 50 - 76 Hz (V)
- sRGB

## Connectivity
- Signal Input: VGA (Analog ), DisplayPort 1.2, mini DisplayPort 1.2 x 1, HDMI 1.4
- Singal Output: DisplayPort out
- Sync Input: Separate Sync, Sync on Green
- USB: USB 3.0x3 (1 w/fast charging)*
- Audio (In/Out): PC audio-in, Headphone out

## Convenience
- Built-in Speakers: 2 W x 2
- Built-in webcam: 2.0 megapixel camera with microphone and LED indictor
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off, Low Blue Mode
- 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, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, 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: 20.7 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, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

## Dimensions
- Product with stand (mm): 614 x 548 x 257 mm
- Product without stand (mm): 614 x 372 x 56 mm
- Packaging in mm (WxHxD): 690 x 458 x 252 mm

## Weight
- Product with stand (kg): 7.86 kg
- Product without stand (kg): 5.44 kg
- Product with packaging (kg): 10.62 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: PowerSensor, EnergyStar 7.0, EPEAT Gold*, TCO edge, RoHS
- 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, WEEE, UKRAINIAN, ICES-003

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

Issue date 2017-03-27

Version: 1.0.1

12 NC: 8670 001 42301
EAN: 87 12581 74356 7

* "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 for registration status in your country.
* Fast charging through BC 1.2 standard
* Response time value equal to SmartResponse