

Philips  
QHD LCD monitor

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

**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**

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

### **Features for the way you work**

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

### **Sustainable Eco-design**

- Designed to meet environmental standards

### **Designed for comfortable productivity**

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

# PHILIPS

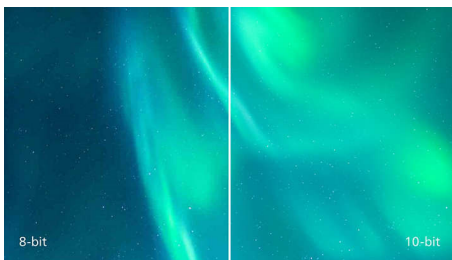
# Highlights

## Crystalclear images



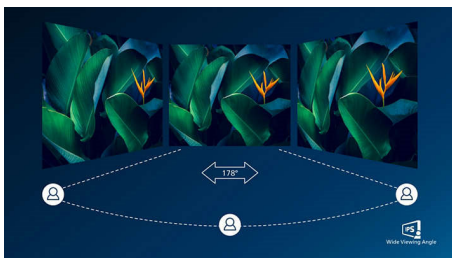
These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are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



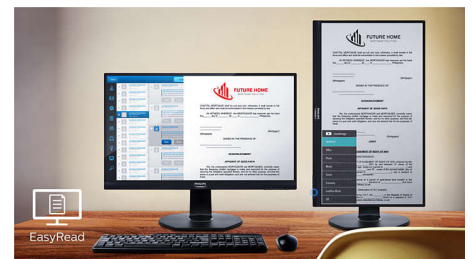
Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while 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. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.



Quad HD



Wide Viewing Angle



LowBlue Mode



Flicker-free



SmartErgo Base



EasyRead



Built-in Speaker



USB 3.0



Wide Viewing Angle

# Specifications

## Connectivity

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

## Picture/Display

- Panel Size: 27 inch / 68.5 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.233 x 0.233 mm
- Optimum resolution: 2560 x 1440 @ 60Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 72% (CIE1931)
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Response time (typical): 5 ms (Gray to Gray)\*
- Viewing angle: 178° (H) / 178° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Effective viewing area: 596.7 (H) x 335.7 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 109 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- EasyRead
- Adaptive sync

## Convenience

- Built-in Speakers: 2 W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
- 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 (100x100mm)
- Control software: SmartControl

## Stand

- Height adjustment: 130 mm
- Pivot: +/- 90 degree

- Swivel: -175/175 degree
- Tilt: -5/30 degree

## Power

- ECO mode: 16.4 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 34.2 W (typ.)
- Standby mode: <math>0.5\text{ W}</math> (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

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

## Weight

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

## Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

## Sustainability

- Environmental and energy: TCO Certified Edge, RoHS, WEEE
- Post consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

## Compliance and standards

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

## Cabinet

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



Issue date 2024-03-24

Version: 8.0.1

EAN: 87 12581 74976 7

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or their respective owners.

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\* "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.