

# PHILIPS

LCD monitor with  
Windows Hello Webcam

Monitor

B Line

27" (68.6 cm)

2560 x 1440 (QHD)

275B1H



## Crystal-clear vision to get more done

This Philips monitor with a secure pop-up webcam with Windows Hello offers personalised and greater security. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

### Excellent performance

- IPS technology for full colours and wide viewing angles
- Crystal clear images with Quad HD 2560 x 1440 pixels
- Secure sign-in with pop-up webcam
- Effortlessly smooth action with Adaptive-Sync technology

### Designed for the way you work

- Built-in stereo speakers for multimedia
- SmartErgoBase enables user-friendly ergonomic adjustments
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- TUV Eye Comfort certified to reduce eye fatigue

### Designed for sustainability

- LightSensor for the perfect brightness with minimal power
- PowerSensor saves up to 70% energy costs

# Monitor

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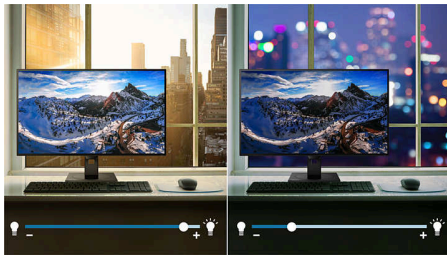
## Highlights

### PowerSensor



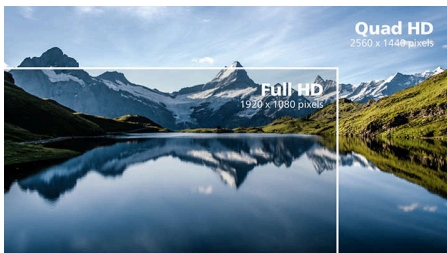
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.

### LightSensor



LightSensor uses a smart sensor to adjust the picture brightness depending on the light conditions in the room for the perfect picture with minimal power usage.

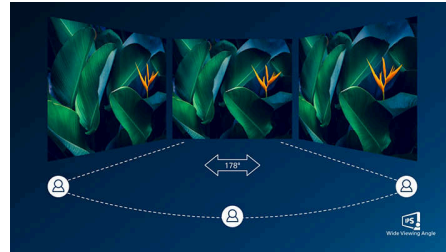
### CrystalClear images



These Philips screens deliver Crystal Clear, Quad HD 2560 x 1440 or 2560 x 1080 pixel images. Utilising high-performance panels with a high-density pixel count, enabled by high bandwidth sources like USB-C, Displayport and HDMI, these new displays will make your images and graphics come alive. Whether you are a demanding professional who requires extremely detailed information for CAD-CAM solutions and uses 3D

graphic applications, or a financial wizard working on huge spreadsheets, Philips displays will give you Crystal Clear images.

### 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.

### Adaptive-Sync technology



Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artefact-free performance at virtually any frame rate with Adaptive-Sync technology, smooth quick refresh and ultra-fast response time.

### Pop-up webcam



Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The

webcam is also equipped with advanced sensors for Windows Hello facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times faster than a password.

### TUV Rheinland Eye Comfort



Philips displays meet TUV Rheinland Eye Comfort standard to prevent eye strain caused by prolonged computer use. With TUV Eye Comfort certification, Philips displays ensure flicker-free, low-blue mode, no disturbing reflections, a wide viewing angle, less reduction of image quality from different angles and ergonomic stand designs for an ideal viewing experience. Keep your eyes healthy and boost work productivity.

### 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.



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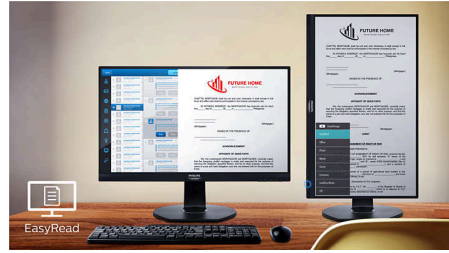
## Highlights

### LowBlue Mode



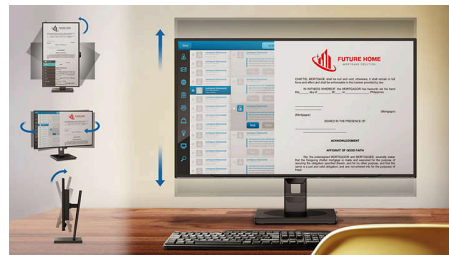
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

### EasyRead mode



EasyRead mode for a paper-like reading experience

### 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.

### 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.

### 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/>





## Specifications

### Picture/Display

**Panel Size:** 27 inch/68.6 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2331 x 0.2331 mm  
**Brightness:** 350 cd/m<sup>2</sup>  
**Display colours:** 16.7 M  
**Colour gamut (typical):** NTSC 104%\*, sRGB 107%\*  
**Contrast ratio (typical):** 1000:1  
**SmartContrast:** 50,000,000:1  
**Response time (typical):** 4 ms (Grey to Grey)\*  
**Viewing angle:** 178° (H)/178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 2560 x 1440 @ 75 Hz\*  
**Effective viewing area:** 596.736 (H) x 335.664 (V)  
**Scanning Frequency:** 30–114 kHz (H)/48–75 Hz (V)  
**sRGB**  
**Flicker-free**  
**Pixel Density:** 109 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**EasyRead**  
**Adaptive sync**

### Connectivity

**Signal Input:** DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4 x 1  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out  
**USB::** USB-B x 1 (upstream), USB 3.2 x 3 (downstream with 1 fast charge B.C 1.2)  
**HDCP:** HDCP 1.4 (DVI/DP/HDMI)

### Convenience

**Built-in Speakers:** 3 W x 2  
**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7  
**User convenience:** SmartImage, Input, PowerSensor, Menu, Power On/Off  
**OSD Languages:** Brazil Portuguese, Czech, Dutch, English, French, Finnish, German, Greek, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian  
**Other convenience:** Kensington lock, VESA mount (100 x 100 mm)

**Control software:** SmartControl

**Built-in webcam:** Pop-up 2.0 megapixel FHD camera with microphone and LED indicator (for Windows 10 Hello)

### Stand

**Height adjustment:** 150 mm  
**Pivot:** -/+ 90 degree  
**Swivel:** -/+ 180 degree  
**Tilt:** -5~30 degree

### Power

**ECO mode:** 17.5 W (typ.)  
**Power supply:** Built-in, 100–240 VAC, 50–60 Hz  
**Off mode:** Zero watts with Zero switch  
**On mode:** 18 W (typ.) (EnergyStar test method)  
**Standby mode:** < 0.4 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)  
**Energy Label Class:** F

### Dimensions

**Packaging in mm (W x H x D):** 700 x 456 x 215 mm  
**Product without stand (mm):** 613 x 366 x 51 mm  
**Product with stand (max height):** 613 x 537 x 205 mm

### Weight

**Product with packaging (kg):** 9.70 kg  
**Product with stand (kg):** 6.42 kg  
**Product without stand (kg):** 4.77 kg

### Operating conditions

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

### Sustainability

**Environmental and energy:** PowerSensor, LightSensor, Energy Star 8.0, EPEAT\*, TCO Certified Edge, RoHS  
**Post-consumer recycled plastic:** 85%  
**Recyclable packaging material:** 100 %  
**Specific Substances:** Mercury free, PVC/BFR free housing

### Compliance and standards

**Regulatory Approvals:** EPA, CB, TUV/GS, TUV Ergo, CU-EAC, CE Mark, FCC Class B, ICES-003, UKRAINIAN, TUV Eye Comfort certified

### Cabinet

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

### What's in the box?

**Cables:** HDMI cable, DP cable, USB-A to B cable, Power cable  
**Monitor with stand**  
**User Documentation**

