

PHILIPS

LCD monitor with
PowerSensor

Monitor

B Line

27" (68.6 cm)

3840 x 2160 (4K UHD)

278B1



Ultra-clear vision to get more done

Get your best work done with this Philips monitor. UltraClear 4K UHD gives the space and clarity for your work. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Excellent performance

- IPS technology for full colors and wide viewing angles
- SmartImage presets for easy optimized image settings
- UltraClear 4K UHD (3840x2160) resolution for precision

Designed for the way you work

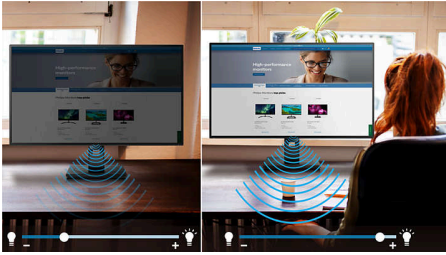
- Built-in stereo speakers for multimedia
- SmartErgoBase enables people-friendly ergonomic adjustments
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- TUV Eye Comfort certified to reduce eye fatigue

Designed for sustainability

- LightSensor for the perfect brightness with minimal power
- PowerSensor saves up to 65% energy costs
- Designed to meet environmental standards

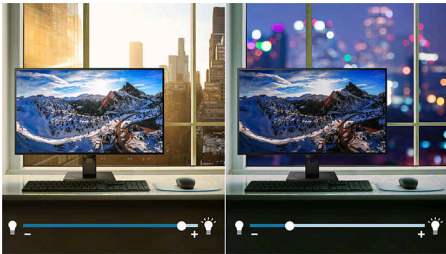
Highlights

PowerSensor



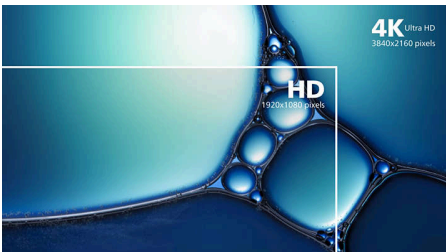
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 65 percent and prolonging monitor life

LightSensor



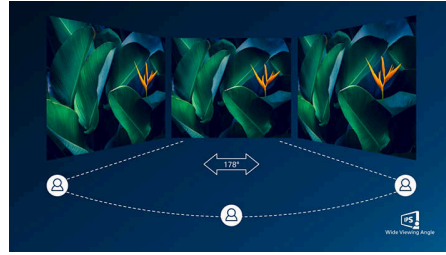
LightSensor uses a smart sensor to adjust the picture brightness depending on the room light conditions for the perfect picture with minimal power usage.

UltraClear 4K UHD Resolution



These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

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.

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!

TUV Rheinland Eye Comfort



Philips display 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, wide viewing angle and less reduction of image quality from different angles and ergonomic stand designs for 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.

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.



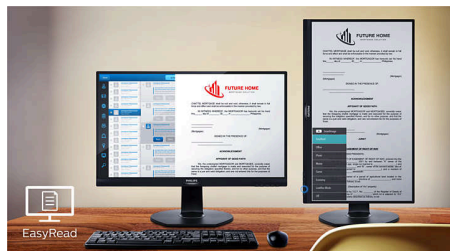
Monitor

LCD monitor with PowerSensor

278B1/75

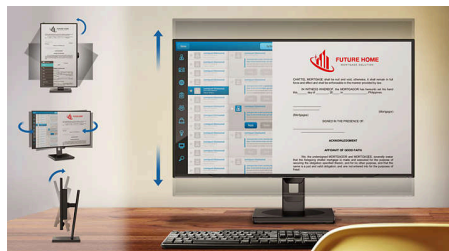
Highlights

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. It can 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: 0.1554 x 0.1554 mm
 Optimum resolution: 3840 x 2160 @ 60 Hz
 Brightness: 350 cd/m²
 Display colors: Color support 1.07 billion colors
 Color gamut (typical): NTSC 103%*, sRGB 122%*
 Contrast ratio (typical): 1000:1
 SmartContrast: 50,000,000:1
 Response time (typical): 4 ms (Gray to Gray)*
 Viewing angle: 178° (H) / 178° (V), @ C/R > 10
 Picture enhancement: SmartImage
 Effective viewing area: 596.736 (H) x 335.664 (V)
 Scanning Frequency: 30 - 140 kHz (H) / 23 - 75 Hz (V)
 sRGB
 Delta E: < 2 (sRGB)
 Flicker-free
 Pixel Density: 163 PPI
 LowBlue Mode
 Display Screen Coating: Anti-Glare, 3H, Haze 25%
 SmartUniformity: 97 ~ 102%
 EasyRead

Connectivity

Signal Input: DisplayPort 1.2, HDMI 2.0 x 2
 Sync Input: Separate Sync
 Audio (In/Out): Headphone out
 USB:: USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
 HDCP: HDCP 2.2 (DP/HDMI/USB)

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, 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 (100x100mm)
 Control software: SmartControl

Stand

Height adjustment: 150 mm
 Pivot: -/+ 90 degree
 Swivel: -/+ 180 degree
 Tilt: -5 ~ 35 degree

Power

ECO mode: 22.5 W (typ.)
 Power supply: Built-in, 100-240VAC, 50-60Hz
 Off mode: Zero watts with Zero switch
 On mode: 24.1 W (typ.) (EnergySta test method)
 Standby mode: < 0.3 W (typ.)
 Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

Packaging in mm (WxHxD): 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): 9.92 kg
 Product with stand (kg): 6.64 kg
 Product without stand (kg): 5.03 kg

Operating conditions

Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
 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, EnergyStar 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: CB, FCC Class B, ICES-003, CE Mark, TUV/GS, TUV Ergo, CU-EAC, UKRAINIAN, TUV Eye Comfort certified, MEPS, RCM

Cabinet

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

