Philips
LCD monitor with
PowerSensor

B Line
32 (31.5" / 80 cm diag.)
3840 x 2160 (4K UHD)

328B1

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.

Excellent performance

- VA display delivers awesome images with 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

Designed for sustainability

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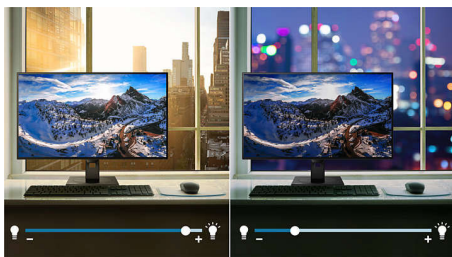- PowerSensor saves up to 80% energy costs

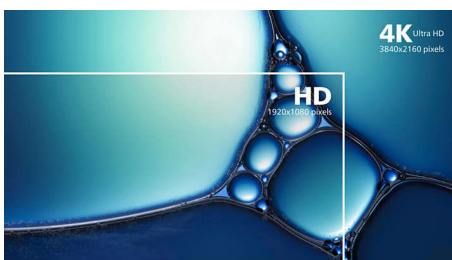# PHILIPS

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 80 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.
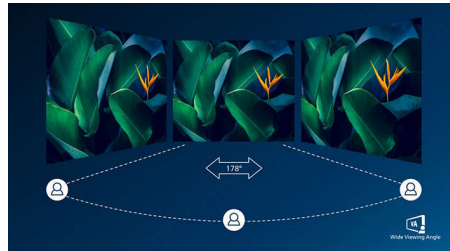
UltraClear 4K UHD Resolution

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.

VA display

Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.
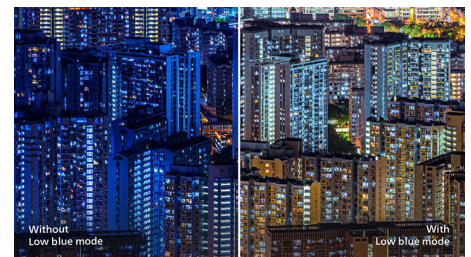
SmartImage

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!
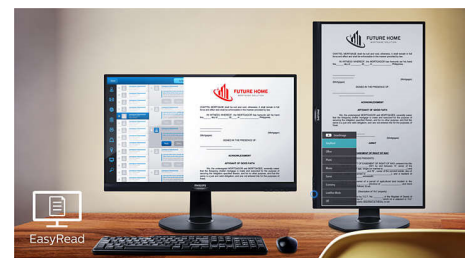
Flicker-free technology

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.

EasyRead mode

EasyRead mode for a paper-like reading experience

PowerSensor LightSensor 4K Ultra HD Wide Viewing Angle SmartImage™ Flicker-free LowBlue Mode EasyRead SmartErgo Base

Specifications

Picture/Display
- Panel Size: 31.5 inch / 80 cm
- Aspect ratio: 16:9
- LCD panel type: VA LCD
- Backlight type: W-LED system
- Pixel pitch: 0.18159 x 0.18159 mm
- Optimum resolution: 3840 x 2160 @ 60Hz
- Brightness: 350 cd/m²
- Display colors: 16.7 M
- Color gamut (typical): NTSC 98%*, sRGB 119%*, Adobe RGB 97%*
- Contrast ratio (typical): 3000:1
- 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: 697.306 (H) x 392.234 (V)
- Scanning Frequency: 30 - 140 kHz (H) / 40 - 60 Hz (V)
- sRGB
- Delta E: < 2 (for sRGB)
- Flicker-free
- Pixel Density: 140 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- SmartUniformity: 93 ~ 105%
- EasyRead
- Adaptive sync

Connectivity
- Signal Input: DisplayPort 1.2, HDMI 2.0 x 2
- Sync Input: Separate Sync
- Audio (In/Out): Audio out
- USB:: USB-B x 1 (upstream), USB3.2 x 4 (downstream with 1 fast charge B.C 1.2)
- HDCP: HDCP 2.2 (DP / HDMI)

Convenience
- Built-in Speakers: 3 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, 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: 180 mm
- Pivot: -/+ 90 degree
- Swivel: -/+ 180 degree
- Tilt: -5 ~ 30 degree

Power
- ECO mode: 37.1 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 60.3 W (typ.)
- Standby mode: 0.3 W
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions
- Packaging in mm (WxHxD): 930 x 563 x 186 mm
- Product without stand (mm): 714 x 422 x 62 mm
- Packaging in inch (WxHxD): 36.6 x 22.2 x 7.3 inch
- Product without stand in inch: 28.1 x 16.6 x 2.4 inch
- Product with stand(max height): 714 x 649 x 280 mm
- Product with stand(max height): 28.1 x 25.6 x 11.0 inch

Weight
- Product with packaging (kg): 14.76 kg
- Product with stand (kg): 11.55 kg
- Product with packaging (lb): 32.5 lb
- Product with stand (lb): 25.41 lb
- Product without stand (kg): 7.54 kg
- Product without stand (lb): 16.6 lb

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: PowerSensor, LightSensor, RoHS
- Post consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CB, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, CE Mark, FCC Class B, ICES-003, UKRAINIAN

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, Audio cable, Power cable
- Monitor with stand
- User Documentation

* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Adobe RGB Coverage based on CIE1976
* The monitor may look different from feature images.