

Philips
LCD monitor with super
energy efficiency

B Line

24 (23.8" / 60.5 cm diag.)
1920 x 1080 (Full HD)

242B1G



Super energy-efficient

with brilliant performance

The eco-friendly Philips 24" monitor is designed for sustainable productivity. Super energy efficient design delivers a new level of power savings. PowerSensor and LightSensor further reduce energy use while delivering crisp visuals.

Brilliant performance

- IPS technology for full colors and wide viewing angles
- LowBlue Mode for easy on-the-eyes productivity

Eco-friendly materials for sustainability

- 100% Recyclable packing material
- Eco-friendly materials meet major international standards
- Low halogen design to minimize environmental impact

Energy efficiency - Eco-conscious power savings

- PowerSensor saves up to 80% energy costs
- Super energy efficient design for maximum power savings
- Zero power consumption with 0 watt hard switch
- LightSensor for the perfect brightness with minimal power

Designed for comfortable productivity

- TUV Eye Comfort certified to reduce eye fatigue

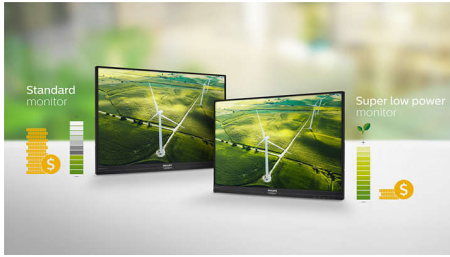
PHILIPS

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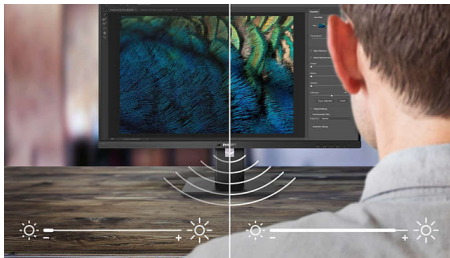
Highlights

Super energy efficient design



Using new energy saving design with a super-efficient power supply, this monitor achieves a higher energy class, while giving excellent performance. Power efficient feature uses a new LED backlight technology which maintains brightness and color using significantly less energy; makes a big difference when using many monitors or even just one.

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.

Zero power consumption

At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further

Eco-friendly materials

Philips is committed to use sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In selected models we utilize up to 85% post-consumer recycled plastics. Strict adherence to RoHS standards ensures substantial reduction or elimination of toxic substances, like Lead and Mercury have been eliminated in monitors with LED backlight completely.

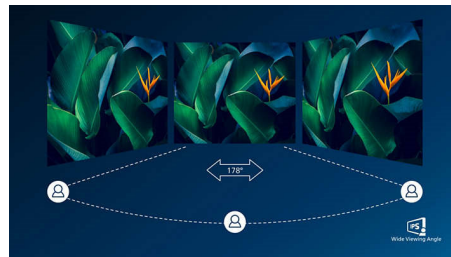
100% Recyclable packing material

100% Recyclable packing material for less environmental impact.

Low halogen design

Low halogen design to minimize environmental impact

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.

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.



Specifications

Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4 x 1
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Audio out
- USB:: USB-B x 1 (upstream), USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
- HDCP: HDCP 1.4 (DVI/DP/HDMI)

Picture/Display

- Panel Size: 23.8 inch / 60.5 cm
- Aspect ratio: 16:9
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.2745 x 0.2745 mm
- Brightness: 250 cd/m²
- Display colors: 16.7M
- Color gamut (typical): NTSC 78%*, sRGB 102%*
- 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
- Maximum resolution: 1920 x 1080 @ 75Hz*
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Scanning Frequency: 30 - 85 kHz (H) / 48 - 75 Hz (V)
- sRGB
- Flicker-free
- Pixel Density: 93 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, 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: 150 mm
- Pivot: +/- 90 degree
- Swivel: +/- 180 degree
- Tilt: -5 ~ 35 degree

Power

- ECO mode: 8.6 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with Zero switch
- On mode: 12.8 W (typ.) (EnergyStar test method)
- Standby mode: 0.35 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Energy Label Class: C

Dimensions

- Packaging in mm (WxHxD): 730 x 450 x 139 mm
- Product without stand (mm): 540 x 323 x 47 mm
- Product with stand(max height): 540 x 501 x 205 mm

Weight

- Product with packaging (kg): 7.61 kg
- Product with stand (kg): 4.92 kg
- Product without stand (kg): 3.32 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: PowerSensor, LightSensor, EnergyStar 8.0, EPEAT*, RoHS, TCO Certified Edge
- Post consumer recycled plastic: 85%
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards

- Regulatory Approvals: CB, FCC Class B, ICES-003, CE Mark, TUV Ergo, TUV/GS, SEMKO, CU-EAC, CCC, CECP, CEL, 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, Power cable
- Monitor with stand
- User Documentation



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EAN: 87 12581 77233 8

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for either HDMI input or DP input.
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Fast charging complies with USB BC 1.2 standard
* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.
* The monitor may look different from feature images.