

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 colours 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 minimise environmental impact

Energy efficiency - Eco-conscious power savings

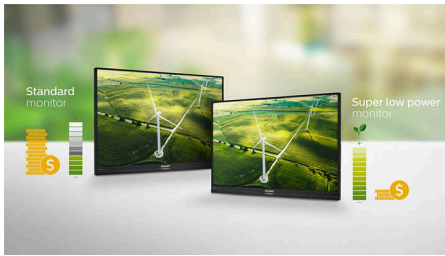
- PowerSensor saves up to 80% energy costs
- Super-energy-efficient design for maximum power savings
- Zero power consumption with 0 watt hard switch
- LightSensor for the perfect brightness with minimal power

Designed for comfortable productivity

- TUV Eye Comfort certified to reduce eye fatigue

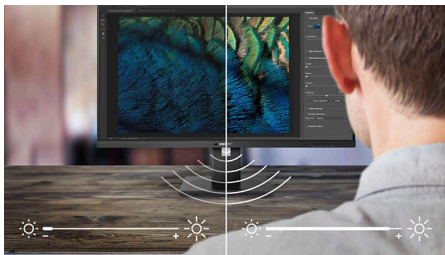
Highlights

Super-energy-efficient design



Using the new energy saving design with a super-efficient power supply, this monitor achieves a higher energy class, while giving excellent performance. The power-efficient feature uses new LED backlight technology which maintains brightness and colour using significantly less energy; this 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 the user is present and then automatically reduces monitor brightness when then 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 light conditions in the room for the perfect picture with minimal power usage.

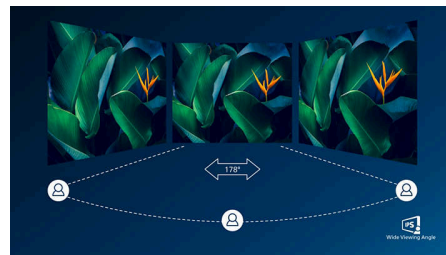
Zero power consumption

At the flick of the 0 watt hard switch, which is conveniently located at the back of the monitor, 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 using 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 utilise up to 85% post-consumer recycled plastics. Strict adherence to RoHS standards ensures substantial reduction or elimination of toxic substances.

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.

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.

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.



Specifications

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 colours: 16.7 M
Colour gamut (typical): NTSC 78%*, sRGB 102%*
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: 1920 x 1080 @ 75 Hz*
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

Connectivity

Signal Input: VGA (Analogue), 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)

Convenience

Built-in Speakers: 2 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, 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 (100 x 100 mm)
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, 100–240 VAC, 50–60 Hz
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 (flashing)
Energy Label Class: B

Dimensions

Packaging in mm (W x H x D): 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: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
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, Energy Star 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

