



Philips Brilliance
LCD monitor with
PowerSensor

B Line

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

Brilliance

241B7QPTB



Crisp views, efficient performance

with PowerSensor

The Philips PowerSensor display using 85% post consumer recycled plastics and PVC, BFR free housing is ideal for eco-friendly productivity

Brilliant performance

- IPS technology for full colors and wide viewing angles
- Narrow border display for a seamless appearance
- SmartImage presets for easy optimized image settings

Designed for comfortable productivity

- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- SmartErgoBase enables people-friendly ergonomic adjustments

Features for the way you work

- Built-in stereo speakers for multimedia
- USB 3.0 enables fast data transfers and smart phone charging
- DisplayPort-out for connecting additional displays
- SmartConnect with DisplayPort, HDMI and VGA connections

Sustainable Eco-design

- PowerSensor saves up to 70% energy costs

PHILIPS

Specifications

Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Effective viewing area: 527 (H) x 296.5 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 5 ms (Gray to Gray)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.275 x 0.275 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: 16.7M
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB

Connectivity

- Signal Input: VGA (Analog), DisplayPort 1.2, mini DisplayPort 1.2 x 1, HDMI 1.4
- Signal Output: DisplayPort out
- Sync Input: Separate Sync, Sync on Green
- USB: USB 3.0x4 (1 w/fast charging)*
- Audio (In/Out): PC audio-in, Headphone out

Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off, Low Blue Mode
- Control software: SmartControl
- 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)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

- Height adjustment: 150 mm
- Pivot: 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

Power

- ECO mode: 10.2 W (typ.)

- Energy Label Class: E
- On mode: 13.14 W (typ.) (EnergyStar test method)
- Standby mode: <0.3 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions

- Product with stand(max height): 541 x 527 x 257 mm
- Product without stand (mm): 541 x 332 x 57 mm
- Packaging in mm (WxHxD): 603 x 492 x 224 mm

Weight

- Product with stand (kg): 6.07 kg
- Product without stand (kg): 3.64 kg
- Product with packaging (kg): 8.69 kg

Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

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

Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, WEEE, ICES-003, UKRAINIAN

Cabinet

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

What's in the box?

- Monitor with stand
- Cables: D-Sub cable, DP cable, Audio cable, Power cable
- User Documentation



Issue date 2021-02-27

Version: 6.0.3

12 NC: 8670 001 38463
EAN: 87 12581 74057 3

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.
* Fast charging complies with USB BC 1.2 standard
* Response time value equal to SmartResponse