



Philips Brilliance  
LED-backlit LCD monitor  
with PowerSensor

### B Line

23" (58.4 cm)  
Full HD (1920 x 1080)

# Brilliance

231B4QPYCB



## Crisp images, efficient performance

with PowerSensor saves energy

The Philips PowerSensor LED display using 65% post consumer recycled plastics and PVC, BFR free housing is ideal for eco-friendly productivity

#### Excellent performance

- IPS technology for full colors and wide viewing angles
- DisplayPort offers audio and video over a single, long cable
- Built-in stereo speakers for multimedia

#### Designed for people

- SmartErgoBase enables people-friendly ergonomic adjustments
- Low bezel-to-table height for maximum reading comfort

#### Easy to experience

- SmartImage presets for easy optimized image settings
- USB Hub with 2 ports for easy connections

#### Sustainable Eco-design

- PowerSensor saves up to 80% energy costs
- Zero power consumption with 0 watt hard switch
- 65% post consumer recycled plastics with TCO Edge

# PHILIPS



# Specifications

## Picture/Display

- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Panel Size: 23 inch / 58.4 cm
- Effective viewing area: 509.18 (H) x 286.41 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 7 ms (GTG\_BW)\*
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.265 x 0.265 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: 16.7 M
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB

## Connectivity

- Signal Input: DisplayPort, DVI-D (digital, HDCP), VGA (Analog)
- USB: USB 2.0 x 2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

## Convenience

- Built-in Speakers: 1.5W x 2
- User convenience: SmartImage, Volume, PowerSensor, Menu, Power On/Off
- Control software: SmartControl Premium
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8.1 / 8 / 7

## Stand

- Height adjustment: 110 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/20 degree

## Power

- ECO mode: 13.7 W (typ.)
- On mode: 20.2 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: <0.3 W (typ.)
- Off mode: Zero watts with AC switch

- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: 100-240VAC, 50-60Hz, Built-in

## Dimensions

- Product with stand(max height): 547 x 507 x 227 mm
- Product with stand(max height): 21.5 x 20.0 x 8.9 inch
- Product without stand (mm): 547 x 343 x 60 mm
- Product without stand in inch: 21.5 x 13.5 x 2.4 inch
- Packaging in mm (WxHxD): 620 x 401 x 167 mm
- Packaging in inch (WxHxD): 24.4 x 15.8 x 6.6 inch

## Weight

- Product with stand (kg): 5.70 kg
- Product with stand (lb): 12.54 lb
- Product without stand (kg): 3.90 kg
- Product without stand (lb): 8.58 lb
- Product with packaging (kg): 7.82 kg
- Product with packaging (lb): 17.20 lb

## 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: 30,000 (backlight) hour(s)

## Sustainability

- Environmental and energy: PowerSensor, EnergyStar 6.0, EPEAT Gold\*, TCO edge, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 65%
- Specific Substances: PVC / BFR free housing, Mercury free, Lead free

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, cETLus, FCC Class B, GOST, SASO, SEMKO, TCO 6.0, TUV Ergo, TUV/GS, WEEE

## Cabinet

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



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12 NC: 8670 001 20832  
UPC: 6 09585 24432 0

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