

# Philips B Line 242B1/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black

**Brand :** Philips      **Product family:** B Line      **Product code:** 242B1/00  
**Product name :** 242B1/00

Business Monitor 242B1 LCD monitor with PowerSensor

Philips B Line 242B1/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black:

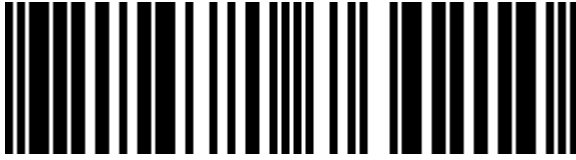
Get your best work done with this Philips monitor. IPS screen with crisp FHD gives you the clarity to see your work. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Philips B Line 242B1/00. Display diagonal: 60.5 cm (23.8"), Display resolution: 1920 x 1080 pixels, HD type: Full HD, Display technology: LED, Display surface: Matt, Response time: 4 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 3.2 Gen 2 (3.1 Gen 2). VESA mounting, Height adjustment. Product colour: Black



Display		Ports & interfaces	
Display diagonal *	60.5 cm (23.8")	HDCP version	1.4
Display resolution *	1920 x 1080 pixels	AC (power) in	✓
HD type *	Full HD	<b>Ergonomics</b>	
Native aspect ratio *	16:9	VESA mounting *	✓
Display technology *	LED	Panel mounting interface	100 x 100 mm
Panel type *	IPS	Cable lock slot *	✓
Backlight type	W-LED	Cable lock slot type	Kensington
Touchscreen *	✗	Height adjustment *	✓
Display brightness (typical)	300 cd/m <sup>2</sup>	Height adjustment	15 cm
Response time	4 ms	Pivot	✓
Display surface	Matt	Pivot angle	-90 - 90°
Anti-glare screen	✓	Swivelling	✓
Screen shape *	Flat	Swivel angle range	-180 - 180°
Supported graphics resolutions	1920 x 1080 (HD 1080)	Tilt adjustment	✓
Aspect ratio	16:9	Tilt angle range	-5 - 35°
Contrast ratio (typical) *	1000:1	On Screen Display (OSD)	✓
Contrast ratio (dynamic)	50000000:1	On Screen Display (OSD) languages	Simplified Chinese, Traditional Chinese, Czech, German, Dutch, English, Spanish, Finnish, French, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Turkish, Ukrainian
Dynamic contrast ratio marketing name	SmartContrast		
Maximum refresh rate *	75 Hz	Number of OSD languages	21
Viewing angle, horizontal	178°	Plug and Play	✓
Viewing angle, vertical	178°	LED indicators	Operation, Stand-by
Display number of colours *	16.7 million colours	<b>Power</b>	
Pixel pitch	0.2745 x 0.2745 mm	Energy efficiency class (SDR) *	D
Pixel density	93 ppi	Energy consumption (SDR) per 1000 hours *	17 kWh
Horizontal scan range	30 - 85 kHz	Power consumption (typical) *	14.5 W
Vertical scan range	48 - 75 kHz		
Viewable size, horizontal	52.7 cm		
Viewable size, vertical	29.6 cm		
Digital horizontal frequency	30 - 85 kHz		

<b>Display</b>		<b>Power</b>	
Digital vertical frequency	48 - 75 Hz	Power consumption (standby) *	0.35 W
Sync-on-green (SOG)	✓	Power consumption (PowerSave)	10.4 W
Display diagonal (metric)	60.5 cm	AC input voltage	100 - 240 V
DDC/CI	✓	AC input frequency	50 - 60 Hz
Haze rate	25%	Power supply type	Internal
Surface hardness	3H	Energy efficiency scale	A+++ to D
Colour gamut standard	sRGB	<b>Operational conditions</b>	
Colour gamut	91%	Operating temperature (T-T)	0 - 40 °C
sRGB coverage (typical)	107%	Storage temperature (T-T)	-20 - 60 °C
NTSC coverage (typical)	91%	Operating relative humidity (H-H)	20 - 80%
Display sRGB	✓	Operating altitude	0 - 3658 m
<b>Performance</b>		Non-operating altitude	0 - 12192 m
VESA Adaptive Sync support	✓	<b>Packaging content</b>	
Component video sync	Separate sync, Sync-on-green (SOG)	Stand included	✓
Flicker-free technology	✓	Cables included	VGA, HDMI, DisplayPort, Audio (3.5mm), AC
Low Blue Light technology	✓	Manual	✓
<b>Multimedia</b>		Bundled software	SmartControl
Built-in speaker(s) *	✓	<b>Weight &amp; dimensions</b>	
Built-in camera *	✗	Width (with stand)	540 mm
Number of speakers	2	Depth (with stand)	205 mm
RMS rated power	2 W	Height (with stand)	501 mm
<b>Design</b>		Weight (with stand)	4.57 kg
Market positioning *	Business	Width (without stand)	540 mm
Product colour *	Black	Depth (without stand)	51 mm
Front bezel colour	Black	Height (without stand)	323 mm
Detachable stand	✓	Weight (without stand)	2.99 kg
Feet colour	Black	<b>Packaging data</b>	
Heavy metals free	Hg (mercury)	Package width	730 mm
Certification	CB, EPA, FCC Class B, ICES-003, CE Mark, TUV Ergo, TUV/GS, SEMKO, CU-EAC, CCC, CECP, CEL, UKRAINIAN, TUV Eye Comfort certified	Package depth	198 mm
<b>Ports &amp; interfaces</b>		Package height	465 mm
Built-in USB hub *	✓	Package weight	7.36 kg
USB hub version	3.2 Gen 2 (3.1 Gen 2)	Package type	Box
USB upstream port type	USB Type-B	<b>Sustainability</b>	
Number of upstream ports	1	Sustainability certificates	ENERGY STAR, TCO
USB Type-A downstream ports quantity	4	Doesn't contain	PVC/BFR, Mercury
VGA (D-Sub) ports quantity	1	European Product Registry for Energy Labelling (EPREL) code	420473
DVI port	✓	<b>Recycling data</b>	
DVI-D ports quantity	1	Post-consumer recycled plastic	85%
HDMI *	✓	<b>Logistics data</b>	
HDMI ports quantity	1	Harmonized System (HS) code	85285210
HDMI version	1.4	<b>Technical details</b>	
DisplayPorts quantity	1	Compliance certificates	RoHS
DisplayPort version	1.2	<b>Other features</b>	
Audio input	✗	Exterior finish type	Textured
Headphone out *	✓	Picture enhancement	SmartImage
Headphone outputs	1	Recyclable packaging material	100%
Headphone connectivity	3.5 mm	Regulatory Approvals	CB; FCC Class B; ICES-003; CE Mark; TUV Ergo; TUV/GS; CU-EAC; CCC; CECP; CEL; UKRAINIAN; TUV Eye Comfort certified
PC Audio in	✓	Light sensor	✓
HDCP	✓	EasyRead mode	✓
		LowBlue mode	✓
		Mean time between failures (MTBF)	70000 h



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