

Philips B Line 278B1/00 LED display 68.6 cm (27") 3840 x 2160 pixels 4K Ultra HD Black

Brand : Philips Product family: B Line Product code: 278B1/00

Product name : 278B1/00

Monitor 278B1 LCD monitor with PowerSensor

Philips B Line 278B1/00 LED display 68.6 cm (27") 3840 x 2160 pixels 4K Ultra HD Black:

Get your best work done with this Philips monitor. UltraClear 4K UHD gives the space and clarity for your work. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Philips B Line 278B1/00. Display diagonal: 68.6 cm (27"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra 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: 2.0. VESA mounting, Height adjustment. Product colour: Black



Display		Ergonomics	
Display diagonal *	68.6 cm (27")	Panel mounting interface	100 x 100 mm
Display resolution *	3840 x 2160 pixels	Cable lock slot *	✓
HD type *	4K Ultra HD	Cable lock slot type	Kensington
Native aspect ratio *	16:9	Height adjustment *	✓
Display technology *	LED	Height adjustment	15 cm
Panel type *	IPS	Pivot	✓
Backlight type	W-LED	Pivot angle	-90 - 90°
Touchscreen *	✗	Swivelling	✓
Display brightness (typical)	350 cd/m²	Swivel angle range	-180 - 180°
Response time *	4 ms	Tilt adjustment	✓
Display surface	Matt	Tilt angle range	-5 - 35°
Anti-glare screen	✓	On Screen Display (OSD)	✓
Screen shape *	Flat	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
Supported graphics resolutions	1920 x 1080 (HD 1080), 2560 x 1440, 3840 x 2160		
Supported video modes	1080p, 1440p, 2160p		
Aspect ratio	16:9	Number of OSD languages	21
Contrast ratio (typical) *	1000:1	Plug and Play	✓
Contrast ratio (dynamic)	50000000:1	LED indicators	Operation, Stand-by
Dynamic contrast ratio marketing name	SmartContrast	Power	
Maximum refresh rate *	60 Hz	Energy efficiency class (SDR) *	F
Viewing angle, horizontal	178°	Energy consumption (SDR) per 1000 hours *	28 kWh
Viewing angle, vertical	178°	Power consumption (typical) *	24.1 W
Display number of colours *	1.07 billion colours	Power consumption (standby) *	0.3 W
Pixel pitch	0.1554 x 0.1554 mm	Power consumption (PowerSave)	22.5 W
Pixel density	163 ppi	AC input voltage	100 - 240 V
Horizontal scan range	30 - 140 kHz		
Vertical scan range	23 - 75 Hz		

Display		Power	
Viewable size, horizontal	59.7 cm	AC input frequency	50 - 60 Hz
Viewable size, vertical	33.6 cm	Power supply type	Internal
Digital horizontal frequency	30 - 140 kHz	Energy efficiency scale	A to G
Digital vertical frequency	23 - 75 Hz	European Product Registry for Energy Labelling (EPREL) code	413344
Display diagonal (metric)	68.6 cm	Operational conditions	
DDC/CI	✓	Operating temperature (T-T)	0 - 40 °C
Haze rate	25%	Storage temperature (T-T)	-20 - 60 °C
Surface hardness	3H	Operating relative humidity (H-H)	20 - 80%
Colour gamut standard	sRGB	Operating altitude	0 - 3658 m
sRGB coverage (typical)	112%	Non-operating altitude	0 - 12192 m
NTSC coverage (typical)	93%	Weight & dimensions	
Display sRGB	✓	Width (with stand)	613 mm
Performance		Depth (with stand)	205 mm
NVIDIA G-SYNC *	✗	Height (with stand)	537 mm
AMD FreeSync *	✗	Weight (with stand)	6.64 kg
VESA Adaptive Sync support	✓	Width (without stand)	613 mm
Component video sync	Separate sync	Depth (without stand)	51 mm
Flicker-free technology	✓	Height (without stand)	366 mm
Low Blue Light technology	✓	Weight (without stand)	5.03 kg
Multimedia		Packaging data	
Number of speakers	2	Package width	700 mm
RMS rated power	2 W	Package depth	216 mm
Built-in speaker(s) *	✓	Package height	456 mm
Built-in camera *	✗	Package weight	8.75 kg
Design		Package type	Box
Market positioning *	Business	Packaging content	
Product colour *	Black	Stand included	✓
Frameless design	✓	Cables included	HDMI, DisplayPort, AC
Front bezel colour	Black	Manual	✓
Detachable stand	✓	Bundled software	SmartControl
Feet colour	Black	Sustainability	
Ports & interfaces		Sustainability certificates	ENERGY STAR, TCO
Built-in USB hub *	✓	Doesn't contain	Mercury, PVC/BFR
USB hub version	2.0	Other features	
USB upstream port type	USB Type-B	Exterior finish type	Textured
Number of upstream ports	1	Recommended resolution	3840 x 2160 @ 60 Hz
USB Type-A downstream ports quantity	4	Picture enhancement	SmartImage
DVI port	✗	Recyclable packaging material	100%
HDMI *	✓	Regulatory Approvals	CB; FCC Class B; ICES-003; CE Mark; TUV/GS; TUV Ergo; CU-EAC; EAEU RoHS; UKRAINIAN; TUV Eye Comfort certified
HDMI ports quantity	2		
HDMI version	2.0		
DisplayPorts quantity	1	Delta E	2
DisplayPort version	1.2	Light sensor	✓
Audio input	✗	EasyRead mode	✓
Audio output	✓	LowBlue mode	✓
Headphone out *	✓	Philips SmartUniformity	97 - 102%
Headphone outputs	1	Compliance certificates	RoHS
Headphone connectivity	3.5 mm	Mean time between failures (MTBF)	70000 h
HDCP	✓	Certification	CB, FCC Class B, ICES-003, CE Mark, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, UKRAINIAN, TUV Eye Comfort certified
HDCP version	2.2		
Charging port type	USB Type-A	Recycling data	
DC-in jack	✓	Post-consumer recycled plastic	85%
Ergonomics		Logistics data	
VESA mounting *	✓	Harmonized System (HS) code	85285210



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Publication date: 20-DEC-2024. Prints or copies of Information are only valid on the printed Publication date