Philips Brilliance 27B1U7903/00 LED display 68.6 cm (27") 3840 x 2160 pixels 4K Ultra HD Black

Brand : Philips　　　　**Product family:** Brilliance　　　　**Product code:** 27B1U7903/00

Product name : 27B1U7903/00

Professional Monitor 27B1U7903 4K UHD Mini-LED Thunderbolt™ 4 monitor

Philips Brilliance 27B1U7903/00 LED display 68.6 cm (27") 3840 x 2160 pixels 4K Ultra HD Black:

The Philips Thunderbolt™ 4 monitor delivers a secure, reliable one-cable docking solution. Mini LED backlit and DisplayHDR™ 1400 certified display generates outstanding picture performance and colour accuracy for colour-critical users.
Philips Brilliance 27B1U7903/00. Display diagonal: 68.6 cm (27"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: LED, 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 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: Black

Display

Display diagonal *	68.6 cm (27")
Display resolution *	3840 x 2160 pixels
HD type *	4K Ultra HD
Native aspect ratio *	16:9
Display technology *	LED
Panel type *	IPS
Backlight type	Mini LED
Touchscreen *	✘
Display brightness (peak)	1400 cd/m²
Display brightness (typical)	1000 cd/m²
Response time *	4 ms
Anti-glare screen	✔
Screen shape *	Flat
Contrast ratio (typical) *	1300:1
Dynamic contrast ratio marketing name	Mega Infinity DCR
Maximum refresh rate *	60 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	1.07 billion colours
Pixel pitch	0.1554 x 0.1554 mm
Pixel density	163 ppi
Horizontal scan range	30 - 140 kHz
Vertical scan range	40 - 60 Hz
Viewable size, horizontal	59.7 cm
Viewable size, vertical	33.6 cm
Display diagonal (metric)	68.6 cm
High Dynamic Range (HDR) supported	✔

Ergonomics

Height adjustment	13 cm
Pivot	✔
Pivot angle	-90 - 90°
Swivelling	✔
Swivel angle range	-45 - 45°
Tilt adjustment	✔
Tilt angle range	-5 - 15°
On Screen Display (OSD)	✔
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
Plug and Play	✔
LED indicators	Operation, Stand-by

Power

Energy efficiency class (SDR) *	G
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	65 kWh
Energy consumption (HDR) per 1000 hours *	80 kWh
Power consumption (typical) *	74.5 W
Power consumption (standby) *	0.3 W
Power consumption (PowerSave)	45.1 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Power supply type	Internal
Energy efficiency scale	A to G

Display

High Dynamic Range (HDR) technology	DisplayHDR 1400
DDC/CI	✔
Haze rate	25%
Surface hardness	3H
Colour gamut standard	sRGB
sRGB coverage (typical)	154%
NTSC coverage (typical)	121%
Adobe RGB coverage	99.2%
DCI-P3 coverage	97.2%
Display sRGB	✔

Performance

NVIDIA G-SYNC *	✘
AMD FreeSync *	✘
Fast charging	✔
Fast charging technology	Power Delivery
VESA Adaptive Sync support	✔
Component video sync	Separate sync
Low Blue Light technology	✔

Multimedia

Number of speakers	2
RMS rated power	6 W
Built-in speaker(s) *	✔
Built-in camera *	✘

Design

Market positioning *	Office
Product colour *	Black
Front bezel colour	Black
Feet colour	Black

Ports & interfaces

Built-in USB hub *	✔
USB hub version	3.2 Gen 1 (3.1 Gen 1)
USB upstream port type	USB Type-C
Number of upstream ports	1
USB Power Delivery	✔
USB Power Delivery up to	90 W
HDMI *	✔
HDMI ports quantity	2
HDMI version	2.0
DisplayPorts quantity	1
DisplayPort version	1.4
Thunderbolt 4 ports quantity	1
Audio output	✔
HDCP	✔
HDCP version	1.4/2.2

Network

Ethernet LAN	✔

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔

Power

European Product Registry for Energy Labelling (EPREL) code	1140090

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Operating altitude	0 - 3658 m
Non-operating altitude	3658 - 12192 m

Weight & dimensions

Width (with stand)	613 mm
Depth (with stand)	204 mm
Height (with stand)	515 mm
Weight (with stand)	9.43 kg
Width (without stand)	613 mm
Depth (without stand)	68 mm
Height (without stand)	369 mm
Weight (without stand)	7.02 kg

Packaging data

Package width	735 mm
Package depth	285 mm
Package height	423 mm
Package weight	14.5 kg

Packaging content

Stand included	✔
Cables included	AC, DisplayPort, HDMI
Manual	✔
Bundled software	SmartControl

Sustainability

Sustainability compliance	✔
Doesn't contain	Mercury, PVC/BFR

Other features

HBR3 support	✔
Compatible operating systems	Mac OS X Windows 10 / 8.1 / 8 / 7
Picture-by-Picture (PbP)	✔
Exterior finish type	Textured
Picture enhancement	SmartImage
Recyclable packaging material	100%
Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; cETLus; CU-EAC; EAEU RoHS; SEMKO; TUV Ergo; TUV/GS
Delta E	1
Light sensor	✔
EasyRead mode	✔
LowBlue mode	✔
Philips SmartUniformity	93 - 105%
Compliance certificates	RoHS
Mean time between failures (MTBF)	70000 h
Ethernet LAN data rates	10,100,1000 Mbit/s
Wake-on-LAN	✔

Recycling data

Post-consumer recycled plastic	35%

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