

PHILIPS

Philips 5000 series 49B2U5900CH/00 LED display 124 cm (48.8") 5120 x 1440 pixels Dual QHD LCD Black

Brand : Philips

Product family: 5000 series

Product code:
49B2U5900CH/00

Product name :
49B2U5900CH/00

Curved Business Monitor 49B2U5900CH 32:9 SuperWide curved monitor with USB-C

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Welcome to a more efficient workspace. To facilitate everyday workflow, this monitor's large 32:9 SuperWide screen is equipped with a new busy light and tilting webcam feature that helps you flow between tasks with ease.

Philips 5000 series 49B2U5900CH/00. Display diagonal: 124 cm (48.8"), Display resolution: 5120 x 1440 pixels, HD type: Dual QHD, Display technology: LCD, Response time: 4 ms, Native aspect ratio: 32:9, 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		Network	
Display diagonal *	124 cm (48.8")	Ethernet LAN	✓
Display resolution *	5120 x 1440 pixels	Ergonomics	
HD type *	Dual QHD	VESA mounting *	✓
Native aspect ratio *	32:9	Panel mounting interface	100 x 100 mm
Display technology *	LCD	Cable lock slot *	✓
Panel type *	VA	Cable lock slot type	Kensington
Backlight type	W-LED	Height adjustment *	✓
Touchscreen *	✗	Height adjustment	15 cm
Display brightness (typical)	450 cd/m ²	Swivelling	✓
Response time *	4 ms	Swivel angle range	-30 - 30°
Anti-glare screen	✓	Tilt adjustment	✓
Screen shape *	Curved	Tilt angle range	-5 - 15°
Screen curvature rating	1800R	Picture-in-Picture	✓
Contrast ratio (typical) *	3000:1	On Screen Display (OSD)	✓
Contrast ratio (dynamic)	80000000:1	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	Number of OSD languages	21
Maximum refresh rate *	75 Hz	Plug and Play	✓
Viewing angle, horizontal	178°	LED indicators	Operation, Stand-by
Viewing angle, vertical	178°	Power	
Display number of colours *	1.07 billion colours	Energy efficiency class (SDR) *	F
Pixel pitch	0.2328 x 0.2328 mm	Energy efficiency class (HDR) *	G
Pixel density	109 ppi	Energy consumption (SDR) per 1000 hours *	43 kWh
Horizontal scan range	30 - 140 kHz	Energy consumption (HDR) per 1000 hours *	82 kWh
Vertical scan range	48 - 75 Hz	Power consumption (typical) *	46.1 W
Viewable size, horizontal	119.2 cm	Power consumption (standby) *	0.8 W
Viewable size, vertical	33.5 cm	Power consumption (PowerSave)	39 W
Display diagonal (metric)	124 cm	AC input voltage	100 - 240 V
High Dynamic Range (HDR) supported	✓	AC input frequency	50/60 Hz
High Dynamic Range (HDR) technology	DisplayHDR 400	Power supply type	Internal
DDC/CI	✓	Energy efficiency scale	A to G
Haze rate	25%		
Surface hardness	3H		
Colour depth	8 bit		
Colour gamut standard	sRGB		
sRGB coverage (typical)	119%		

Display		Power	
NTSC coverage (typical)	97%	European Product Registry for Energy Labelling (EPREL) code	1666129
Display sRGB	✓		
Performance		Operational conditions	
NVIDIA G-SYNC *	✗	Operating temperature (T-T)	0 - 40 °C
AMD FreeSync *	✗	Storage temperature (T-T)	-20 - 60 °C
Fast charging	✓	Operating relative humidity (H-H)	20 - 80%
Fast charging technology	Power Delivery	Operating altitude	0 - 3658 m
VESA Adaptive Sync support	✓	Non-operating altitude	3658 - 12192 m
Component video sync	Separate sync		
Flicker-free technology	✓	Weight & dimensions	
Low Blue Light technology	✓	Width (with stand)	1193 mm
Multimedia		Depth (with stand)	268 mm
Number of speakers	2	Height (with stand)	586 mm
RMS rated power	6 W	Weight (with stand)	15.2 kg
Built-in speaker(s) *	✓	Width (without stand)	1193 mm
Megapixel (approx.)	5 MP	Depth (without stand)	164 mm
Built-in microphone	✓	Height (without stand)	373 mm
Built-in camera *	✓	Weight (without stand)	11.6 kg
Design		Packaging data	
Market positioning *	Business	Package width	1290 mm
Product colour *	Black	Package depth	475 mm
Front bezel colour	Black	Package height	300 mm
Feet colour	Black	Package weight	19.4 kg
Ports & interfaces		Packaging content	
Built-in USB hub *	✓	Stand included	✓
USB hub version	3.2 Gen 1 (3.1 Gen 1)	Cables included	AC, DisplayPort, HDMI, USB Type-C to USB Type-A, USB Type-C to USB Type-C
USB upstream port type	USB Type-B, USB Type-C	Manual	✓
Number of upstream ports	2	Bundled software	SmartControl
Number of USB Type-B upstream ports quantity	1	Sustainability	
Number of USB Type-C upstream ports quantity	1	Sustainability compliance	✓
USB Type-A downstream ports quantity	2	Sustainability certificates	ENERGY STAR, EPEAT, TCO
USB Type-C downstream ports quantity	1	Doesn't contain	Mercury, PVC/BFR
USB Type-C DisplayPort Alternate Mode	✓	Other features	
USB Power Delivery	✓	HBR3 support	✓
USB Power Delivery up to	100 W	Compatible operating systems	Mac OS X Windows 11/10/8.1/8
HDMI *	✓	Picture-by-Picture (PbP)	✓
HDMI ports quantity	2	Exterior finish type	Textured
HDMI version	2.0	Picture enhancement	SmartImage
DisplayPorts quantity	1	Recyclable packaging material	100%
DisplayPort version	1.4	Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV Ergo; TUV/GS; TUV Eyesafe certified; cETLus
Audio output	✓	Heavy metals free	Hg (mercury)
Microphone in	✓	Delta E	2
Built-in KVM switch	✓	EasyRead mode	✓
HDCP	✓	LowBlue mode	✓
HDCP version	1.4/2.2	Philips SmartUniformity	93 - 105%
		Compliance certificates	CB, CE, Federal Communications Commission (FCC), RoHS, cTUVus
		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	85%



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