



## 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

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

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

<b>Display</b>		<b>Power</b>	
NTSC coverage (typical)	97%	European Product Registry for Energy Labelling (EPREL) code	1666129
Display sRGB	✓		
<b>Performance</b>		<b>Operational conditions</b>	
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	✓	<b>Weight &amp; dimensions</b>	
Low Blue Light technology	✓	Width (with stand)	1193 mm
<b>Multimedia</b>		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
<b>Design</b>		<b>Packaging data</b>	
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
<b>Ports &amp; interfaces</b>		<b>Packaging content</b>	
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	<b>Sustainability</b>	
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	✓	<b>Other features</b>	
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	✓
		<b>Recycling data</b>	
		Post-consumer recycled plastic	85%



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Publication date: 30-OCT-2024. Prints or copies of Information are only valid on the printed Publication date