

## 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	<b>Ergonomics</b>	
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/m²	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		
Maximum refresh rate *	75 Hz		
Viewing angle, horizontal	178°	Number of OSD languages	21
Viewing angle, vertical	178°	Plug and Play	✓
Display number of colours *	1.07 billion colours	LED indicators	Operation, Stand-by
Pixel pitch	0.2328 x 0.2328 mm	<b>Power</b>	
Pixel density	109 ppi	Energy efficiency class (SDR) *	F
Horizontal scan range	30 - 140 kHz	Energy efficiency class (HDR) *	G
Vertical scan range	48 - 75 Hz	Energy consumption (SDR) per 1000 hours *	43 kWh
Viewable size, horizontal	119.2 cm	Energy consumption (HDR) per 1000 hours *	82 kWh
Viewable size, vertical	33.5 cm	Power consumption (typical) *	46.1 W
Display diagonal (metric)	124 cm	Power consumption (standby) *	0.8 W
High Dynamic Range (HDR) supported	✓	Power consumption (PowerSave)	39 W
High Dynamic Range (HDR) technology	DisplayHDR 400	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 G
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	✓	Operational conditions	
Performance		Operating temperature (T-T)	0 - 40 °C
NVIDIA G-SYNC *	✗	Storage temperature (T-T)	-20 - 60 °C
AMD FreeSync *	✗	Operating relative humidity (H-H)	20 - 80%
Fast charging	✓	Operating altitude	0 - 3658 m
Fast charging technology	Power Delivery	Non-operating altitude	3658 - 12192 m
VESA Adaptive Sync support	✓	Weight & dimensions	
Component video sync	Separate sync	Width (with stand)	1193 mm
Flicker-free technology	✓	Depth (with stand)	268 mm
Low Blue Light technology	✓	Height (with stand)	586 mm
Multimedia		Weight (with stand)	15.2 kg
Number of speakers	2	Width (without stand)	1193 mm
RMS rated power	6 W	Depth (without stand)	164 mm
Built-in speaker(s) *	✓	Height (without stand)	373 mm
Megapixel (approx.)	5 MP	Weight (without stand)	11.6 kg
Built-in microphone	✓	Packaging data	
Built-in camera *	✓	Package width	1290 mm
Design		Package depth	475 mm
Market positioning *	Business	Package height	300 mm
Product colour *	Black	Package weight	19.4 kg
Front bezel colour	Black	Packaging content	
Feet colour	Black	Stand included	✓
Ports & interfaces		Cables included	AC, DisplayPort, HDMI, USB Type-C to USB Type-A, USB Type-C to USB Type-C
Built-in USB hub *	✓	Manual	✓
USB hub version	3.2 Gen 1 (3.1 Gen 1)	Bundled software	SmartControl
USB upstream port type	USB Type-B, USB Type-C	Sustainability	
Number of upstream ports	2	Sustainability compliance	✓
Number of USB Type-B upstream ports quantity	1	Sustainability certificates	ENERGY STAR, EPEAT, TCO
Number of USB Type-C upstream ports quantity	1	Doesn't contain	Mercury, PVC/BFR
USB Type-A downstream ports quantity	2	Other features	
USB Type-C downstream ports quantity	1	HBR3 support	✓
USB Type-C DisplayPort Alternate Mode	✓	Compatible operating systems	Mac OS X Windows 11/10/8.1/8
USB Power Delivery (USB PD)	✓	Picture-by-Picture (PbP)	✓
USB Power Delivery up to	100 W	Exterior finish type	Textured
HDMI *	✓	Picture enhancement	SmartImage
HDMI ports quantity	2	Recyclable packaging material	100%
HDMI version	2.0	Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV Ergo; TUV/GS; TUV Eyesafe certified; cETLus
DisplayPorts quantity	1	Heavy metals free	Hg (mercury)
DisplayPort version	1.4	Delta E	2
Audio output	✓	EasyRead mode	✓
Microphone in	✓	LowBlue mode	✓
Built-in KVM switch	✓	Philips SmartUniformity	93 - 105%
HDCP	✓	Compliance certificates	CB, CE, Federal Communications Commission (FCC), RoHS, cTUVus
HDCP version	1.4/2.2	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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