



49B2U5900C

This 49" business monitor is made for efficiency. Its SuperWide screen, Smart KVM switch and USB-C connectivity make teamwork and moving between tasks an easier feat.

GENERAL	
Model Name	49B2U5900C
Brand	Philips Monitors/MMD
Description	Curved Business Monitor 49B2U5900C 32:9 SuperWide curved monitor with USB-C
Long description	This 49" business monitor is made for efficiency. Its SuperWide screen, Smart KVM switch and USB-C connectivity make teamwork and moving between tasks an easier feat.
Category name	Monitors
Subcategory name	Office monitors
Footnotes	- Radius of the arc of the display curvature in mm - Response time value equal to SmartResponse - NTSC Area based on CIE1976, sRGB Area based on CIE1931 - Activities such as screen sharing and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the overall audio and video quality. - For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details. - If your Ethernet connection seems slow, please enter the OSD menu and select USB 3.0 or a higher version that can support the LAN speed up to 1G. - For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode - EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country. - When USB-C is set to High Resolution mode, the maximum supported resolution is 5120 x 1440@75 Hz. - The power delivery of this display is up to 100 W (typically 96 W). The maximum power delivery will depend on your device.

- When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.
- RJ45 supports PXE (Preboot eXecution Environment), MAC Address Pass-Through (MAPT) and Wake-on-LAN (WOL) on compatible systems. Support may vary depending on system configuration.
- The monitor may look different from feature images.
- The products and accessories listed on this leaflet may differ by country and region.
- The cable(s) supplied with the product may vary in type, quantity and specifications in line with country- or region-specific requirements.

DISPLAY INFORMATION

LCD Panel type	VA LCD
Backlight type	W-LED system
Panel Size	48.8 inch/124 cm
Effective viewing area	1191.936 (H) x 335.232 (V) mm, 1800 R curvature*
Display Screen coating	Anti-Glare, 3H, Haze 25%
Aspect Ratio	32:9
Response time (typical)	4 ms (Grey to Grey)*
Brightness	450 (SDR) cd/m ² , 500 (HDR) cd/m ²
Contrast ratio (typical)	3000:1
Pixel Pitch	0.2328 x 0.2328 mm
Viewing Angle	178° (H)/178° (V); @ C/R > 10
Display colours	1.07 B
Scanning Frequency	HDMI: 30 - 140 kHz (H)/48-75 Hz (V); DP: 30 - 114 kHz (H)/48-75 Hz (V); USB-C: 30 - 114 kHz (H)/30 - 75 Hz (V)
sRGB	Yes
Picture enhancement	SmartImage
Pixel Density	109 PPI
Flicker-free	Yes
EasyRead	Yes
SoftBlue	Yes
Adaptive Sync	Yes
SmartUniformity	93 ~ 105%
Delta E	< 2
Maximum Resolution	5120 x 1440@75 Hz (HDMI/DP/USB-C)*

OTHER INFORMATION

KVM	Yes (USB-C/USB-B)
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Built-in Speakers	3 W x 2
User convenience	SmartImage; Input; User; Menu; Power On/Off
OSD languages	Brazil Portuguese; Czech; Dutch; English; French; Finnish; German; Greek; Hungarian; Italian; Japanese; Korean; Portuguese; Polish; Russian; Simplified Chinese; Spanish; Swedish; Traditional Chinese; Turkish; Ukrainian
Other convenience	Kensington lock; Earphone hook; VESA mount (100 x 100 mm)
Plug and Play Compatibility	DDC/CI; Mac OS; sRGB; Windows 11/10/8.1/8
Control software	SmartControl
Multiview	PIP/PBP mode; 2 x devices

CONNECTIVITY INFORMATION	
Sync input	Separate Sync; Sync on Green
RJ45	Ethernet LAN (USB 2.0: 10M/100M; USB 3.0: 1000M), PXE/MAPT/WOL*
HDCP	HDCP 1.4 (HDMI/DisplayPort/USB-C), HDCP 2.2 (HDMI/DisplayPort/USB-C)
HBR3	HBR3
USB Hub	USB 3.2 Gen 1/5 Gbps, USB-B upstream x 1, USB-A downstream x 2 (with 1 for fast-charge B.C 1.2), USB-C downstream x 1 (Data, PD 15 W)
Signal input	HDMI 2.1 TMDS x 2, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD)

STAND	
Height adjustment	150 mm
Tilt	-5/15 degree
Swivel	-/+30 degree

POWER CONSUMPTION	
On mode	52.27 W (typ.) (Energy Star test method)
Standby mode	0.3 W (typ.)
Off mode	Zero watts with AC switch
Power LED indicator	Operation - White; Standby mode - White (flashing)
Power supply	Built-in; 100–240 VAC, 50–60 Hz
ECO Mode	34.18 W (typ.)

PRODUCT DIMENSIONS	
Product with stand (max height)	1193 x 583 x 268 mm
Product without stand (mm)	1193 x 373 x 164 mm

Packaging in mm (W x H x D)	1290 x 475 x 300 mm
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WEIGHT

Product with stand (kg)	15.30 kg
Product without stand (kg)	11.67 kg
Product with packaging (kg)	22.70 kg

OPERATING CONDITION

Temperature range (operation)	0°C to 40 °C
Temperature range (storage)	-20°C to 60 °C
Relative humidity	20%-80 %
Altitude	Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF (demonstrated)	70,000 hrs (excluded backlight)

SUSTAINABILITY

Environmental and energy	PowerSensor; LightSensor; Energy Star 8.0; EPEAT*; RoHS
Recyclable packaging material	100 %
Specific Substances	Mercury free; PVC/BFR free housing
Post-consumer recycled plastic	85%+OBP 5%

CABINET INFORMATION

Front bezel	Charcoal
Finish	Texture
Rear cover	Charcoal
Foot	Silver

KEY SELLING POINTS

Product line	5000 series
Screen diagonal	49 (48.8"/124 cm diag.)
Resolution	5120 x 1440 (Dual QHD)

POWER DELIVERY

Version	USB PD version 3.0
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Max power delivery	up to 100 W (5 V/3 A, 7 V/3 A, 9 V/3 A, 10 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/3.25 A, 20 V/4.8 A)*
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FILTERS	
Response time	4 ms
Refresh rate	75 Hz
Display type	VA LCD
Sync technologies	Adaptive Sync
Screen size	48.8
Features	KVM, Speakers, MultiView, Height-adjustable
Design	Curved
Connectivity	DisplayPort, HDMI, USB-C, RJ45, USB hub