

# PHILIPS

32:9 SuperWide curved  
monitor with USB-C

Curved Business  
Monitor

5000 series

49 (48.8" / 124 cm diag.)

5120 x 1440 (Dual QHD)

49B2U5900CH



## Redefining workflow productivity

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.

### **Superb Picture Quality**

- VA display delivers awesome images with wide viewing angles
- DisplayHDR 400 for more lifelike and outstanding visuals

### **Single cable USB-C connection**

- RJ-45 to USB-C gives easy network connection with security
- USB 3.2 high speed data transfer

### **Designed for the way you work**

- Secure sign-in with pop-up webcam
- Eyesafe certified blue light protection and color accuracy
- 32:9 SuperWide screen designed to replace multiscreen setups
- Curved display design for more immersive experience
- Adjustable Webcam: For video conferencing in comfort.
- Busylight: for setting your working status
- Earphone Hook: for customizable storage
- SmartKVM: for easily switching between sources.

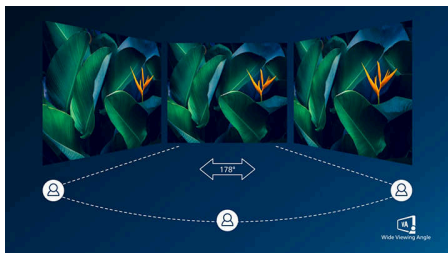
# Curved Business Monitor

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49B2U5900CH/75

## Highlights

### VA display



Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

### DisplayHDR 400



VESA-certified DisplayHDR 400 delivers a significant step-up from normal SDR displays. Unlike, other 'HDR compatible' screens, true DisplayHDR 400 produces astonishing brightness, contrast and colors. With global dimming and minimum 400 nits brightness, images come to life with notable highlights while featuring deeper, more nuanced blacks. It renders a fuller palette of rich new colors, delivering a visual experience that engages your senses.

### USB-C Docking with RJ45



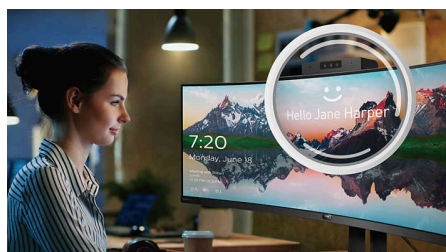
Simplify all peripherals from monitor to PC using one-cable-docking USB Type-C connector, includes networking, high resolution video output from PC to monitor, and surfing on Internet without an additional network cable, even without LAN port on your notebook. RJ45 connection through USB-C offers a fast and secure connection when needed. Getting the fastest data speeds allows you to transfer data from a HDD to your PC faster than ever. Additionally, USB-C with power delivery can even enable you to power and charge your notebook from the monitor, eliminating the need for extra power cables.

### SmartKVM



Unlike traditional built-in KVM monitor button, the smart KVM allows for switching between sources with the click of a button on your keyboard. When all devices are properly connected, users can easily switch between sources by clicking the "Ctrl" key three times.

### Pop-up webcam



Philips' innovative and secure webcam pops up when you need it and securely tucks back into the monitor when you are not using it. The

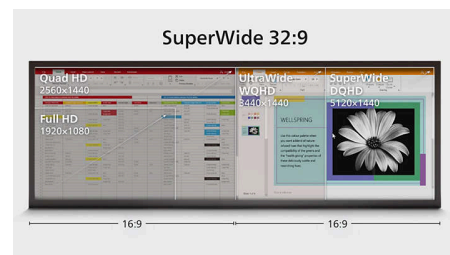
webcam is also equipped with advanced sensors for Windows Hello facial recognition, which conveniently logs you into your Windows devices in less than 2 seconds, 3 times faster than a password.

### TUV Rheinland Eyesafe



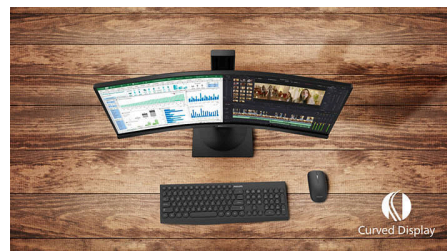
Philips display meets TUV Rheinland Eyesafe® standard to truly protect you from the long exposure to blue light. The always-on blue light filter not only helps reduce digital eye strain, but also guarantees color integrity.

### 32:9 SuperWide



32:9 SuperWide 49" screen, with 5120 x 1440 resolution, is designed to replace multiscreen setups for massive wide view. It's like having two 27" 16:9 Quad HD displays side-by-side. SuperWide monitors offer screen area of dual monitors without the complicated setup.

### Curved display design



Desktop monitors offer a personal user experience, which suits a curve design very well. The curved screen provides a pleasant yet subtle immersion effect, which focuses on you at the center of your desk.



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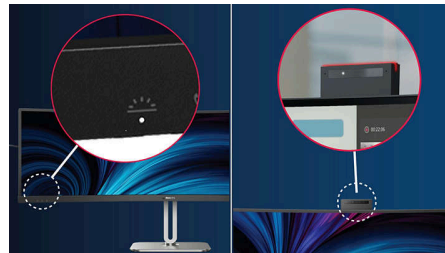
## Highlights

### Adjustable Webcam



Level up the comfort of video conferencing with this feature. By adjusting the webcam back by 30 degrees, users can now comfortably call and attend meetings from any position that best suits them.

### Busylight



This feature allows for privacy and optimal collaboration when working in a busy office setting. To transmit to others that they are busy, users can simply press the Busylight hotkey located on the bottom left menu of the monitor bezel and the light located on the webcam will turn red. In addition to this, the Busylight feature can also sync with user's Microsoft Teams status.

### Earphone Hook



Earphone storage is unmatched with this feature. Carefully pull down the hook located on the side of the monitor. This feature makes for a tidy desktop and provides a handy cable management solution for your workspace.



Wide Viewing Angle



## Specifications

### Picture/Display

**Panel Size:** 48.8 inch / 124 cm  
**Aspect ratio:** 32:9  
**LCD panel type:** VA LCD  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2328 x 0.2328 mm  
**Brightness:** 450 cd/m<sup>2</sup>  
**Display colors:** 1.07 B (8 bit + FRC)  
**Color gamut (typical):** NTSC 97%\*, sRGB 119%\*  
**Contrast ratio (typical):** 3000:1  
**SmartContrast:** 80,000,000:1  
**Response time (typical):** 4 ms (Gray to Gray)\*  
**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 5120 x 1440 @ 75 Hz  
**Effective viewing area:** 1191.936 (H) x 335.232 (V) - at a 1800R curvature\*  
**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**  
**Delta E:** < 2  
**Flicker-free**  
**Pixel Density:** 109 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**SmartUniformity:** 93 ~ 105%  
**EasyRead**  
**Adaptive sync**  
**HDR:** DisplayHDR 400 certified

### Connectivity

**Signal Input:** HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C x 1 (upstream, DP Alt mode, Data, PD up to 100W)  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out / Microphone in combo jack  
**RJ45:** Ethernet LAN up to 1G\*, Wake on LAN  
**HDCP:** HDCP 1.4 (HDMI / DisplayPort / USB-C), HDCP 2.2 (HDMI / DisplayPort / USB-C)  
**HBR3:** HBR3 (USB-C / DisplayPort)  
**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 15W)

### Power Delivery

**Max power delivery:** Up to 100 W\* (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.8A)  
**Version:** USB PD version 3.0

### Convenience

**Built-in Speakers:** 3 W x 2  
**Plug & Play Compatibility:** DDC/CI, Mac OS, sRGB, Windows 11 / 10 / 8.1 / 8  
**User convenience:** Mic, 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 (100x100mm)  
**Control software:** SmartControl  
**MultiView:** PIP/PBP mode, 2x devices  
**Built-in webcam:** Pop-up 5.0 megapixel camera with microphone and LED indicator (for Windows Hello)  
**Busylight**  
**KVM:** Yes (USB-C/USB-B)

### Stand

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

### Power

**ECO mode:** 39 W (typ.)  
**Power supply:** Built-in, 100-240VAC, 50-60Hz  
**Off mode:** 0.3 W (typ.)  
**On mode:** 46.1 W (typ.) (EnergyStar test method)  
**Standby mode:** 0.3 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (blinking)  
**Energy Label Class:** F

### Dimensions

**Packaging in mm (WxHxD):** 1290 x 300 x 475 mm  
**Product without stand (mm):** 1193 x 373 x 164 mm  
**Product with stand(max height):** 1193 x 583 x 268 mm

### Weight

**Product with packaging (kg):** 19.38 kg  
**Product with stand (kg):** 15.21 kg  
**Product without stand (kg):** 11.58 kg

### Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**Temperature range (operation):** 0°C to 40 °C  
**Relative humidity:** 20%-80 %  
**Temperature range (storage):** -20°C to 60 °C  
**MTBF (demonstrated):** 70,000 hrs (excluded backlight)

### Sustainability

**Environmental and energy:** PowerSensor, LightSensor, EnergyStar 8.0, EPEAT\*, RoHS, TCO Certified Edge  
**Post consumer recycled plastic:** 85%  
**Recyclable packaging material:** 100 %  
**Specific Substances:** Mercury free, PVC / BFR free housing

### Compliance and standards

**Regulatory Approvals:** CB, CE Mark, FCC Class B, ICES-003, CU-EAC, EAEU RoHS, TUV Ergo, TUV/GS, eyesafe® CERTIFIED 2.0, cETLus, TÜV Rheinland Low Blue Light (Hardware Solution)

### Cabinet

**Finish:** Texture  
**Foot:** Silver  
**Front bezel:** Charcoal  
**Rear cover:** Charcoal



\* 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, on-line streaming video and audio over the Internet can impact your network performance. Your hardware, network bandwidth and its performance will determine 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 OSD menu and select USB 3.0 or higher version which can support the LAN speed to 1G.  
 \* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode  
 \* The USB-C power delivery of this display is up to 100 W (96 W in typical), the maximum power delivery will depend on your device.  
 \* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.  
 \* When calculating energy costs saving from PowerSensor, both USB and Power delivery are excluded.  
 \* The monitor may look different from feature images.