Philips Monitor
4K OLED monitor

8000 series
27 (26.9" / 68.4 cm diag.)
3840 x 2160 (4K UHD)

27E1N8900

Uncompromised visuals, exceptional details

This Philips OLED monitor designed to professionals. UltraClear 4K UHD and DisplayHDR 400 TrueBlack certified delivers stunning and precise color reproduction. 99% AdobeRGB takes your creation experience to the next level.

Features designed for you

- MultiView enables simultaneous dual connection and view
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- SmartErgoBase enables people-friendly ergonomic adjustments
- Built-in KVM switch to easily switch between sources
- Color space mode options to fit your needs and work
- Eyesafe certified blue light protection and color accuracy

Single cable USB-C connection

- Connect your notebook with one USB-C cable

Superb Picture Quality

- Pro color standards 99% AdobeRGB, 99% DCI-P3
- UltraClear 4K UHD (3840x2160) resolution for precision
- Ultra Wide-Color wider range of colors for a vivid picture
- DisplayHDR™ TrueBlack 400 delivers incredible shadow details
- OLED display for lifelike visuals with deeper black details
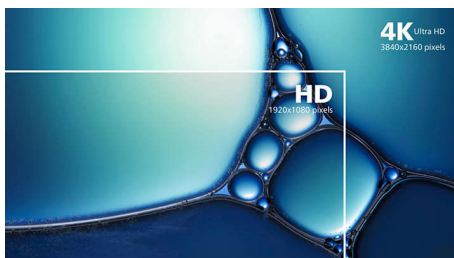
PHILIPS

Highlights

Philips OLED display

This Philips OLED display delivers a wider viewing angle and a uniquely lifelike visuals. Deeper black for stunning viewing experience. Details in shadows and highlights are precisely reproduced.

UltraClear 4K UHD Resolution

These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

DisplayHDR™ True Black 400

This Philips monitor is certified with VESA DisplayHDR™ True Black 400. Delivering stunningly accurate shadow detail with deeper blacks for a remarkable visual experience compared with conventional monitors of the same peak luminance. This Philips monitor comes with several HDR modes, each optimized for your usage scenarios: HDR Game, HDR Movie, HDR Photo, and VESA DisplayHDR certified level.

99% AdobeRGB and DCI-P3

Different types of creators require different color spaces and need to know the colors they see on screen are correctly represented. With these color gamut spaces professionals have access to the wide range of colors they need to produce their best work. Meeting professional industry-standard color, this Philips monitor offers 99% AdobeRGB, 99% DCI-P3 color spectrum. The enhanced color rendering range of Adobe RGB makes it ideal for professional photo and video editing, animation, or work with color-critical projects. You can now be confident that your color is consistent and true to the origi

USB-C connection

This Philips display features a USB type-C connector with power delivery. With intelligent and flexible power management, you can power charge your compatible device directly. Its slim, reversible USB-C allows for easy, one-cable connection. You can watch high resolution video and transfer data at a super-speed, while powering up and re-charging your compatible device at the same time.

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.
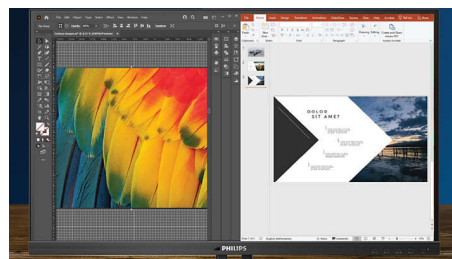
LowBlue Mode & Flicker-free

Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

MultiView technology

With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

Multiple color space modes

This Phillips monitor provides color in the RGB color model with the following color space modes. Choose the appropriate color space mode to properly display the content you are viewing: sRGB: Most personal computer applications and games, internet, and web design. Adobe RGB: Graphics applications. NTSC: Analog video. Rec. 709: HD videos. Rec. 2020: UHD videos. DCI-P3: Digital cinema projectors, some movies and games, and Apple products. Photography. D-mode: DICOM mode, enhance greyscale level performance.

OLED | 4K Ultra HD | VESA CERTIFIED DisplayHDR 400 | 99% Adobe RGB | eyesafe CERTIFIED 50 RPF50 | LowBlue Mode | Multiview | MultiClient Integrated KVM | SmartErgo Base

Specifications

Picture/Display
- Panel Size: 26.9 inch / 68.4 cm
- Aspect ratio: 16:9
- Monitor Panel Type: OLED
- Pixel pitch: 0.15525 x 0.15525 mm
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: Full White Luminance: 250 cd/m2; Peak White Luminance: 540 cd/m²
- Display colors: 1.07B (10 bits)
- Color gamut (typical): NTSC 119%*, sRGB 150%*, Adobe RGB 99.6%*
- Color gamut (min.): DCI-P3 99.7%*
- Contrast ratio (typical): 1,000,000:1
- SmartContrast: Mega Infinity DCR
- Response time (typical): 0.1 ms (Tr + Tf)
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 596.16 (H) x 335.34 (V)
- Scanning Frequency: 30 - 140 kHz (H) / 23 - 60 Hz (V)
- sRGB
- Surface treatment: Haze: 7%, Hardness >= 2H
- Delta E: < 1
- Flicker-free
- Pixel Density: 163.78 PPI
- LowBlue Mode
- SmartUniformity: 93 ~ 105%
- EasyRead
- HDR: DisplayHDR True Black 400 certified

Connectivity
- Signal Input: HDMI 2.0 x 2, DisplayPort 1.4 x 1, USB-C 3.2 Gen 1 x 1 (upstream, Power Delivery up to 90W)
- Sync Input: Separate Sync
- Audio (In/Out): Audio out
- USB:: USB-B x 1, USB 3.2 x 4 (downstream with 2 fast charge B.C 1.2)
- HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C), HDCP 2.2 (HDMI / DisplayPort / USB-C)
- HBR3

USB
- Power delivery: USB PD version 3.0
- Super speed: Data and Video transfer
- DP: Built-in Display Port Alt mode
- USB-C max. power delivery: Up to 90W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A)
- USB-C: Reversible plug connector

Convenience
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8 / 7
- User convenience: Power On/Off, Menu, Input, SmartImage, Color Space
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- MultiView: PBP (2x devices)
- KVM

Stand
- Height adjustment: 130 mm
- Pivot: + 90 degree
- Swivel: -/+ 175 degree
- Tilt: -5/20 degree

Power
- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 26.49 W (typ.) (EnergyStar test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions
- Packaging in mm (WxHxD): 780 x 480 x 161 mm
- Product without stand (mm): 626 x 373 x 40 mm
- Packaging in inch (WxHxD): 30.7 x 18.9 x 6.3 inch
- Product without stand in inch: 24.6 x 14.7 x 1.6 inch
- Product with stand(max height): 626 x 536 x 218 mm
- Product with stand(max height): 24.6 x 21.1 x 8.6 inch

Weight
- Product with packaging (kg): 9.89 kg
- Product with stand (kg): 5.51 kg
- Product with packaging (lb): 21.76 lb
- Product with stand (lb): 12.12 lb
- Product without stand (kg): 3.83 kg
- Product without stand (lb): 8.43 lb

Operating conditions
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0 to 40 °C
- MTBF: 70,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20 to 60 °C

Sustainability
- Environmental and energy: EnergyStar 8.0, EPEAT*, TCO Certified Edge, RoHS
- 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, cETLus, TUV Eyesafe certified, TUV Flicker Free certified, CU-EAC, EAEU RoHS, TUV/ISO9241-307, TUV-BAUART

Cabinet
- Color: Black
- Finish: Textured

4K OLED monitor
8000 series 27 (26.9" / 68.4 cm diag.), 3840 x 2160 (4K UHD)

Specifications

What's in the box?
• Cables: HDMI cable, DisplayPort cable, USB-C to USB-A/C (Y cable), Power cable

• Monitor with stand
• User Documentation

---

* DCI-P3 Coverage based on CIE1976
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* Adobe RGB Coverage based on CIE1976
* 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.
* 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.
* The monitor may look different from feature images.