

Philips Brilliance  
4K Ultra HD LCD display  
with MultiView

**P Line**

43 (42.51"/108 cm diag.)  
3840 x 2160 (4K UHD)

**Brilliance**

**439P1**



## Master every task in a crisp view

The Philips USB-C docking display for a comprehensive solution. View UltraClear 4K UHD and recharge a laptop, all at the same time with a single USB-C cable. Integrated KVM switch and multiple connections for performance and convenience.

### Single cable USB-C connection

- USB-C enables laptop power charging directly from a monitor
- Built-in RJ-45 Ethernet gives data security

### Expand your viewing experience

- UltraClear 4K UHD (3840 x 2160) resolution for precision
- VA display delivers awesome images with wide viewing angles
- DisplayHDR 400 for more lifelike and outstanding visuals
- Ultra Wide-Color wider range of colours for a vivid picture

### Designed for the way you work

- MultiView 4K for 4 systems on one screen
- Built-in KVM switch to easily switch between sources
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- Tilt, swivel and height-adjust for an ideal viewing position

**PHILIPS**

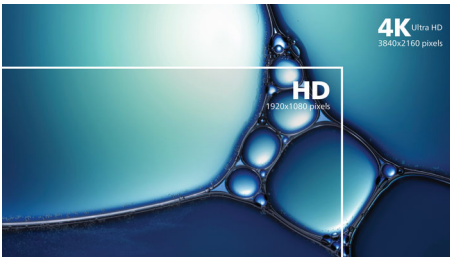
# Highlights

## USB Type-C connection



This Philips display features a built-in USB type-C docking station with power delivery. With intelligent and flexible power management, you can power charge your compatible\* laptop directly. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all your peripherals like keyboard, mouse and your RJ-45 Ethernet cable to the monitor's docking station. You can watch high-resolution video and transfer data at super-speed, while powering up and re-charging your notebook at the same time.

## UltraClear 4K UHD Resolution



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

## DisplayHDR 400



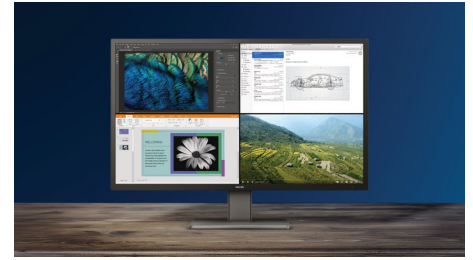
VESA-certified DisplayHDR 400 delivers a significant step up from normal SDR displays. Unlike other "HDR-compatible" screens, true DisplayHDR 400 produces astonishing brightness, contrast and colours. With global dimming and peak brightness up to 400 nits, images come to life with notable highlights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

## Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colours for a more brilliant picture. The Ultra Wide-Color wider "colour gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring media entertainment, images and even productivity more alive with vivid colours from Ultra Wide-Color Technology.

## MultiView technology for 4K



Philips MultiView feature on this expansive 4K UHD display enables you to have up to four systems each shown in Full HD on one screen. You can use Picture-by-Picture (PbP) to monitor four systems on one screen for control rooms or security. Or for multiple devices like two notebooks side-by-side simultaneously, making collaboration more productive. Or Picture-in-Picture mode (PiP) watching a live football feed from your set-top box, while working on your PC.

## MultiClient Integrated KVM



With the MultiClient Integrated KVM switch, you can control two separate PCs with one monitor-keyboard-mouse setup. A convenient button allows you to quickly switch between sources. Handy with setups that require dual PC computing power or sharing one large monitor to show two different PCs.



USB-C Docking



4K  
Ultra HD



Wide Viewing  
Angle



VESA CERTIFIED  
DisplayHDR 400



Ultra Wide Color



Multiview



Flicker-free



LowBlue Mode



EasyRead

# Specifications

## Picture/Display

- LCD panel type: VA LCD
- Backlight type: W-LED system
- Panel Size: 42.51 inch/108 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 941.184 (H) x 529.416 (V) mm
- Aspect ratio: 16:9
- Maximum resolution: HDMI 1.4: 3840 x 2160 @ 30 Hz; HDMI 2.0 / DP / USB-C: 3840 x 2160 @ 60 Hz
- Pixel Density: 103.64 PPI
- Response time (typical): 4 ms (Gray to Gray)\*
- Brightness: 400 cd/m<sup>2</sup>
- Contrast ratio (typical): 4000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.2451 x 0.2451 mm
- Viewing angle: 178° (H)/178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colours: Colour support 1.07 billion colours
- Colour gamut (typical): NTSC 105%\*, sRGB 126%\*, Adobe RGB 90%\*
- HDR: DisplayHDR 400 certified
- Scanning Frequency: 30–140 kHz (H) / 48–60 Hz (V)
- SmartUniformity: 93 ~ 105%
- Delta E: < 2 (sRGB)
- sRGB
- Flicker-free
- LowBlue Mode
- EasyRead
- Adaptive sync

## Connectivity

- Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 2, HDMI 1.4 x 1, USB-C 3.2 Gen 2 x 1 (upstream, data, power delivery)
- HDCP: HDCP 1.4 (HDMI 1.4 / HDMI 2.0 / DP 1.4 / USB-C), HDCP 2.2 (HDMI 2.0 / DP 1.4 / USB-C)
- HBR3: USB-C
- USB: Upstream: USB-C x 1, USB-B x 1; Downstream: USB 3.2 x 3 (with 1 fast charge B.C 1.2), USB-C x 1 (for PD 15 W only)
- Audio (In/Out): Headphone out
- Sync Input: Separate Sync
- RJ45: Ethernet LAN up to 1 G\*, Wake on LAN
- RS232

## USB

- USB-C: Reversible plug connector
- Super speed: Data and Video transfer
- DP: Built-in Display Port Alt mode
- Power delivery: USB PD version 3.0
- USB-C max. power delivery: USB-C1: up to 90 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/4.5 A), USB-C2: up to 15 W (5 V/3 A)

## Convenience

- Built-in Speakers: 5 W x 2
- MultiView: PIP/PBP mode, 4 x devices
- KVM: USB-C, USB-B
- User convenience: SmartImage, Input, User, Menu,

## Power On/Off

- Control software: SmartControl
- 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 (200 x 200 mm)
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Height adjustment: 100 mm
- Swivel: -/+ 45 degree
- Tilt: -5 ~ 23 degree

## Power

- ECO mode: 43.9 W (typ.)
- On mode: 46 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Off mode: Zero watts with Zero switch
- Energy Label Class: G
- Power LED indicator: Operation - White, Standby mode - White (flashing)
- Power supply: Built-in, 100–240 VAC, 50–60 Hz

## Dimensions

- Product with stand (max height): 978 x 713 x 281 mm
- Product without stand (mm): 978 x 573 x 78 mm
- Packaging in mm (W x H x D): 1150 x 704 x 284 mm

## Weight

- Product with stand (kg): 18.00 kg
- Product without stand (kg): 12.40 kg
- Product with packaging (kg): 23.30 kg

## Operating conditions

- 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: EnergyStar 8.0, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free
- Post-consumer recycled plastic: 85%

## Compliance and standards

- Regulatory Approvals: CB, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, CE Mark, FCC Class B, ICES-003

## Cabinet

- Front bezel: Black
- Rear cover: Black

- Foot: Black
- Finish: Texture

## What's in the box?

- Monitor with stand
- Cables: HDMI cable, DP cable, USB-A to B cable, USB-C to C/A Y cable, Power cable
- User Documentation



Issue date 2022-06-14

Version: 4.0.1

12 NC: 8670 001 75812  
EAN: 87 12581 77695 4

© 2022 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

[www.philips.com](http://www.philips.com)

\* Response time value equal to SmartResponse

\* NTSC Area based on CIE 1976

\* sRGB Area based on CIE1931

\* Adobe RGB Coverage based on CIE 1976

\* 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 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.