

# PHILIPS

LCD monitor with  
USB-C docking

Brilliance

P Line

32 (31.5" / 80 cm diag.)

3840 x 2160 (4K UHD)

329P1H



## Master every task in a crisp view

The Philips USB-C docking display for comprehensive solution. View UltraClear 4K UHD and re-charge a laptop up to 90W, all at the same time with a single USB-C cable. Pop-up webcam delivers performance and convenience.

### Single cable USB-C connection

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

### Designed for the way you work

- Secure sign-in with pop-up webcam
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- TUV Eye Comfort certified to reduce eye fatigue
- UltraClear 4K UHD (3840x2160) resolution for precision
- IPS technology for full colors and wide viewing angles

### Sustainable Eco-design

- PowerSensor saves up to 80% energy costs
- LightSensor for the perfect brightness with minimal power
- Designed to meet environmental standards

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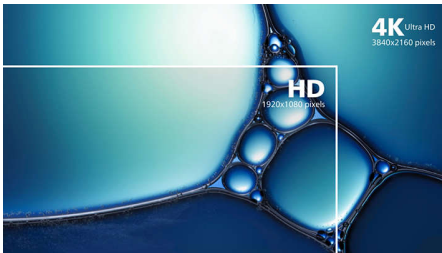
## Highlights

### USB Type-C connection



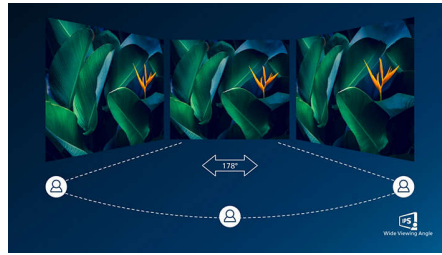
This Philips display features a built-in USB type-C docking station with power delivery. With intelligent and flexible power management, you can power charge your compatible\* laptop directly. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all your peripherals 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 a super-speed, while powering up and re-charging your notebook at the same time.

### 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.

### IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

### Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

### LowBlue Mode



Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye

damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

### 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 Eye Comfort



Philips display meet TUV Rheinland Eye Comfort standard to prevent eye strain caused by prolonged computer use. With TUV Eye Comfort certification, Philips displays ensure flicker-free, low blue mode, no disturbing reflections, wide viewing angle and less reduction of image quality from different angles and ergonomic stand designs for ideal viewing experience. Keep your eyes healthy and boost work productivity.



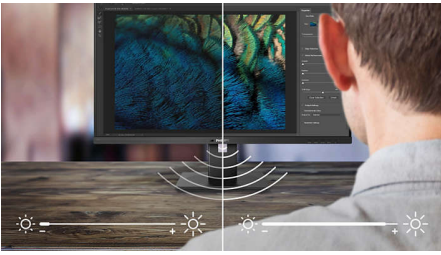
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## Highlights

### PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

### LightSensor



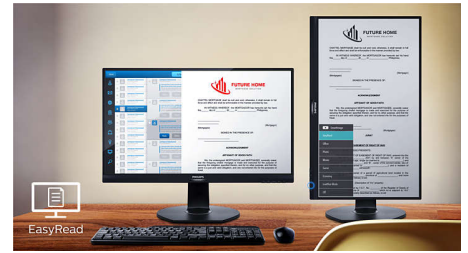
LightSensor uses a smart sensor to adjust the picture brightness depending on the room light conditions for the perfect picture with minimal power usage.

### Designed for sustainability

Designed for sustainability, and reduced operating costs, this monitor meets environmental standards. Such as: ENERGY STAR,

EPEAT, TCO Certified. For more information on certification, please visit: ENERGY STAR: <https://www.energystar.gov/> EPEAT: <https://www.epeat.net/> TCO Certified: <https://tcocertified.com/>

### EasyRead mode



EasyRead mode for a paper-like reading experience



## Specifications

### Picture/Display

**Panel Size:** 31.5 inch / 80 cm

**Aspect ratio:** 16:9

**LCD panel type:** IPS technology

**Backlight type:** W-LED system

**Pixel pitch:** 0.18159 x 0.18159 mm

**Optimum resolution:** 3840 x 2160 @ 60Hz

**Brightness:** 350 cd/m<sup>2</sup>

**Display colors:** Color support 1.07 billion colors

**Color gamut (typical):** NTSC 117%\*, sRGB 128%\*,

Adobe RGB 89%\*

**Contrast ratio (typical):** 1000:1

**SmartContrast:** 50,000,000:1

**Response time (typical):** 4 ms (Gray to Gray)\*

**Viewing angle:** 178° (H) / 178° (V), @ C/R > 10

**Picture enhancement:** SmartImage

**Effective viewing area:** 697.3056 (H) x 392.2344

(V)

**Scanning Frequency:** 30 - 140 kHz (H) / 23 - 75 Hz

(V)

sRGB

**Delta E:** < 2 (sRGB)

Flicker-free

**Pixel Density:** 140 PPI

LowBlue Mode

**Display Screen Coating:** Anti-Glare, 3H, Haze 25%

**SmartUniformity:** 93 ~ 105%

EasyRead

Adaptive sync

### Connectivity

**Signal Input:** DisplayPort 1.4 x 1, HDMI 2.0 x 2, USB-C x 1

**Sync Input:** Separate Sync

**Audio (In/Out):** Audio out

**RJ45:** Ethernet LAN up to 1G\*, Wake on LAN

**HDCP:** HDCP 2.2 (HDMI / DP / USB-C)

**HBR3:** for USB-C

### USB

**USB Ports:** USB-C x 1 (upstream, DisplayPort Alt mode, HDCP 2.2); USB-A x 4 (downstream with 1 fast charge BC1.2)

**Power delivery:** USB-C: USB PD version 3.0, up to 90W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A); USB-A (side): x1 fast charge BC1.2, up to 7.5W (5V/1.5A)

**Super speed:** USB-C: USB 3.2 Gen2, 10 Gbps; USB-A: USB 3.2 Gen1, 5 Gbps

### Convenience

**Built-in Speakers:** 5 W x 2

**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

**User convenience:** SmartImage, Input, User, Menu, Power On/Off

**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)

**Control software:** SmartControl

**Built-in webcam:** Pop-up 2.0 megapixel FHD camera with microphone and LED indicator

### Stand

**Height adjustment:** 180 mm

**Pivot:** -/+ 90 degree

**Swivel:** -/+ 180 degree

**Tilt:** -5 ~ 25 degree

### Power

**ECO mode:** 26.8 W (typ.)

**Power supply:** Built-in, 100-240VAC, 50-60Hz

**Off mode:** Zero watts with Zero switch

**On mode:** 31.8 W (typ.) (EnergyStar test method)

**Standby mode:** 0.3 W

**Power LED indicator:** Operation - White, Standby mode- White (blinking)

### Dimensions

**Packaging in mm (WxHxD):** 930 x 563 x 186 mm

**Product without stand (mm):** 714 x 422 x 62 mm

**Packaging in inch (WxHxD):** 36.6 x 22.2 x

7.3 inch

**Product without stand in inch:** 28.1 x 16.6 x

2.4 inch

**Product with stand(max height):** 714 x 649 x

280 mm

**Product with stand(max height):** 28.1 x 25.6 x

11.0 inch

## Specifications

### Weight

Product with packaging (kg): 15.51 kg

Product with stand (kg): 12.2 kg

Product with packaging (lb): 34.12 lb

Product with stand (lb): 26.84 lb

Product without stand (kg): 8.19 kg

Product without stand (lb): 18.02 lb

### 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\*, TCO Certified Edge, RoHS

Post consumer recycled plastic: 85%

Recyclable packaging material: 100 %

Specific Substances: PVC / BFR free housing, Mercury free

### Compliance and standards

Regulatory Approvals: UKRAINIAN, cETLus, CB, TUV/GS, TUV Ergo, CU-EAC, EAEU RoHS, CE Mark, FCC Class B, ICES-003, TUV Eye Comfort certified

### Cabinet

Finish: Texture

Foot: Black

Front bezel: Black

Rear cover: Black

### What's in the box?

Cables: HDMI cable, DP cable, USB-C to C/A Y cable, Power cable

Monitor with stand

User Documentation



- \* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
- \* Response time value equal to SmartResponse
- \* NTSC Area based on CIE1976
- \* sRGB Area based on CIE1931
- \* Adobe RGB Coverage based on CIE1976
- \* 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.
- \* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode
- \* 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.
- \* 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.