

# PHILIPS

LCD monitor with  
USB-C docking

Monitor

B Line

27" (68.6 cm)

2560 x 1440 (QHD)

276B1



## Simplify your connections

with USB-C docking

This Philips monitor offers 90W power delivery and a simple laptop docking solution. View QHD image, re-charge a laptop and Ethernet, all at the same time with a single USB-C cable. Eye comfort with TUV certification to reduce eye fatigue.

### Single cable USB-C connection

- Built in RJ-45 ethernet gives data security
- USB-C enables laptop power charging directly from a monitor
- USB 3.2 high speed data transfer

### Designed for the way you work

- Built-in stereo speakers for multimedia
- SmartErgoBase enables people-friendly ergonomic adjustments
- 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
- Crystalclear images with Quad HD 2560 x 1440 pixels

### Designed for sustainability

- LightSensor for the perfect brightness with minimal power
- PowerSensor saves up to 70% energy costs

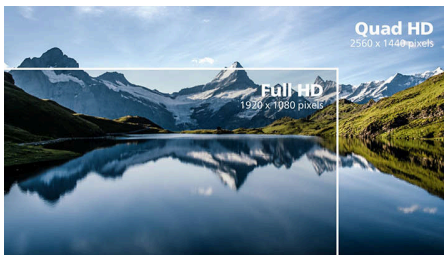
# Highlights

## 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.

## Crystalclear images



These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

## TUV Rheinland Eye Comfort



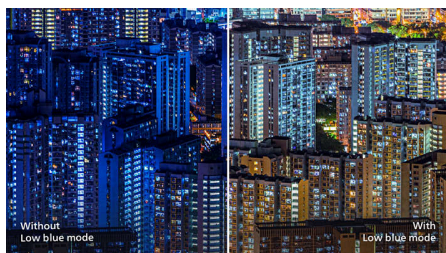
Philips display meet TUV Rheinland Eye Comfort standard to prevent eye strain caused by prolonged computer use. With TUV Eye Comfort certification, Philips displays ensure flicker-free, low blue mode, no disturbing reflections, wide viewing angle and less reduction of image quality from different angles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

## 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.

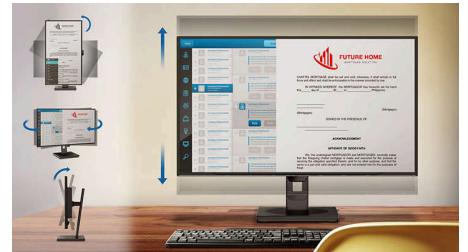
## LowBlue Mode



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.

## SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

## Built-in stereo speakers



A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.



Quad HD



Eye Comfort



Flicker-free



LowBlue Mode



SmartErgoBase



Built-in Speaker



PowerSensor



LightSensor

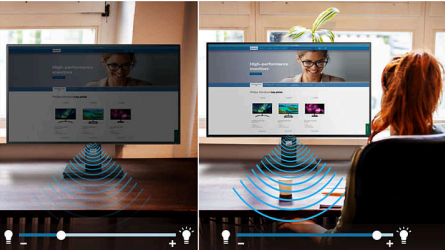
# Monitor

LCD monitor with USB-C docking

276B1/75

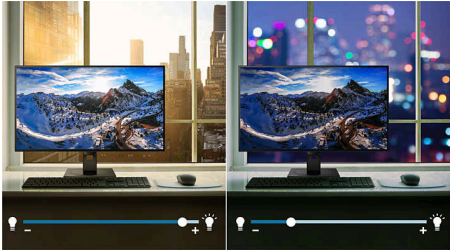
## Highlights

### PowerSensor



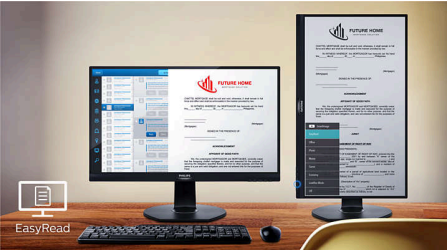
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 70 percent and prolonging monitor life.

### 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.

### EasyRead mode



EasyRead mode for a paper-like reading experience



# Specifications

## Picture/Display

**Panel Size:** 27 inch / 68.6 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** IPS technology  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.2331 x 0.2331 mm  
**Brightness:** 300 cd/m<sup>2</sup>  
**Display colors:** 16.7 M  
**Color gamut (typical):** NTSC 110%\*, sRGB 123%\*  
**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  
**Maximum resolution:** 2560 x 1440 @ 75 Hz\*  
**Effective viewing area:** 596.736 (H) x 335.664 (V)  
**Scanning Frequency:** 30 - 114 kHz (H) / 48 - 75 Hz (V)  
**sRGB**  
**Flicker-free**  
**Pixel Density:** 109 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-Glare, 3H, Haze 25%  
**EasyRead**

## Connectivity

**Signal Input:** DisplayPort 1.4 x 1, HDMI 1.4 x 2,  
 USB-C 3.2 Gen 2 x 1 (upstream, power delivery up to 90 W)  
**Sync Input:** Separate Sync  
**Audio (In/Out):** Audio out  
**RJ45:** Ethernet LAN up to 1G\*, Wake on LAN  
**Signal Output:** DisplayPort out  
**USB::** USB-C x 1 (upstream), USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)  
**HDCP:** HDCP 1.4 (HDMI / DP / USB-C)  
**HBR3:** for USB-C

## 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

**Built-in Speakers:** 2 W x 2  
**Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7  
**User convenience:** SmartImage, Input, PowerSensor, 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, VESA mount (100x100mm)  
**Control software:** SmartControl

## Stand

**Height adjustment:** 150 mm  
**Pivot:** -90/+90  
**Swivel:** -180/+180 degree  
**Tilt:** -5/35 degree

## Power

**ECO mode:** 16.4 W (typ.)  
**Power supply:** Built-in, 100-240VAC, 50-60Hz  
**Off mode:** Zero watts with Zero switch  
**On mode:** 20.2 W (typ.) (EnergyStar test method)  
**Standby mode:** 0.3 W  
**Power LED indicator:** Operation - White, Standby mode - White (blinking)

## Dimensions

**Packaging in mm (WxHxD):** 730 x 471 x 193 mm  
**Product without stand (mm):** 613 x 366 x 54 mm  
**Product with stand(max height):** 613 x 537 x 225 mm

## Weight

**Product with packaging (kg):** 10.94 kg  
**Product with stand (kg):** 7.26 kg  
**Product without stand (kg):** 5.47 kg

## Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**Temperature range (operation):** 0°C to 40°C °C  
**Relative humidity:** 20%-80 %  
**Temperature range (storage):** -20°C to 60°C °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:** Mercury free, PVC / BFR free housing

## Compliance and standards

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

## Cabinet

**Finish:** Texture  
**Foot:** Black  
**Front bezel:** Black  
**Rear cover:** Black



\* The maximum resolution works for either USB-C, DP or HDMI input.

\* Response time value equal to SmartResponse

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

\* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode

\* 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.

\* 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.