

Philips Brilliance  
QHD LCD monitor with  
HDR

P Line

32 (viewable 31.5" / 80 cm)  
Quad HD (2560 x 1440)

**Brilliance**

**328P6AUBREB**



## Magnificent colors, true brilliance

The Philips Brilliance monitor with HDR delivers a wider range of color and brilliance for the most life-like images. With an expansive crystal-clear QHD IPS display, see the big picture with all the details.

### True-to-life colorful images

- High Dynamic Range (HDR) for more lifelike colorful visuals
- Pro color standards 99% AdobeRGB, 100% sRGB
- 1.074 billion colors for smooth color gradations and detail
- IPS technology for full colors and wide viewing angles
- Crystalclear images with Quad HD 2560 x 1440 pixels

### Features for the way you work

- All your connections through one USB-C cable
- USB 3.0 Hub for convenient access and fast charging
- SmartErgoBase enables people-friendly ergonomic adjustments
- LowBlue Mode for easy on-the-eyes productivity
- Built-in stereo speakers for multimedia

**PHILIPS**

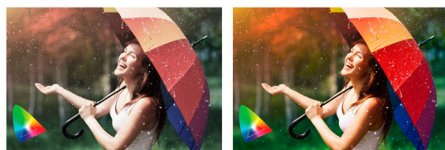
# Highlights

## High Dynamic Range (HDR)



High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating color, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colors never before seen on display, giving you a visual experience that engages your senses and inspires emotions.

## AdobeRGB



Typical color

Adobe RGB

With professional industry-standard color coverage 99% Adobe RGB and 100% sRGB color gamuts, you can have confidence that your color is consistent and true.

## 10-bit colors

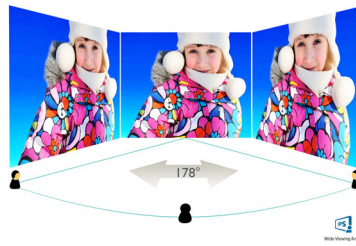


8-bit

10-bit

The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal processing for re-creating smooth, natural colors without gradations and color banding.

## 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.

## Crystalclear images

These latest 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 like Displayport, HDMI, Dual link DVI, 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.

## USB-C Docking



The new USB 3.1 Type-C cable with features a slim and reversible connector and offers easy one-cable-docking. With USB 3.1 you get the fastest data speeds, 20 times as fast as USB 2.0, allowing you to transfer data from a HDD to your PC faster than ever. Simplify by

connecting all your peripherals to your monitor as a dock with one cable to the notebook, including high resolution video output from your PC to monitor. 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.

## SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

## 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.

## 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.



# Specifications

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 31.5 inch / 80.1 cm
- Effective viewing area: 698.11 (H) x 392.69 (V)
- Aspect ratio: 16:9
- Optimum resolution: 2560 x 1440 @ 60Hz
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (Gray to Gray)\*
- Brightness: 450 cd/m<sup>2</sup>
- Contrast ratio (typical): 1,200:1
- SmartContrast: 50,000,000 :1
- Pixel pitch: 0.2727 x 0.2727 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): Adobe RGB 99% (CIE 1973)
- HDR: HDR-10 (HDMI)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- SmartUniformity: 96% ~ 103%
- Delta E: <2
- sRGB
- EasyRead
- LowBlue Mode

## Connectivity

- Signal Input: VGA (Analog), DisplayPort 1.2, HDMI 2.0 x 1, USB-C (DP Alt mode, PD, data)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out
- RJ45

## Convenience

- Built-in Speakers: 3 W x 2
- User convenience: SmartImage, Input, Brightness, 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 (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

## Stand

- Height adjustment: 180 mm
- Pivot: 90 degree
- Swivel: -170/+170 degree
- Tilt: -5/20 degree

## Power

- ECO mode: 31.9 W (typ.)
- On mode: 32.4 W (EnergyStar 7.0 test method)
- Standby mode: <0.5 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand(max height): 742 x 657 x 270 mm
- Product without stand (mm): 742 x 438 x 63 mm
- Packaging in mm (WxHxD): 970 x 526 x 224 mm

## Weight

- Product with stand (kg): 9.70 kg
- Product without stand (kg): 6.74 kg
- Product with packaging (kg): 13.86 kg

## Operating conditions

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

## Sustainability

- Environmental and energy: EnergyStar 7.0, EPEAT Gold\*, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 65%
- Specific Substances: PVC / BFR free housing, Mercury free, Lead free

## Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, VCCI, RCM, BSMI, ICES-003, J-MOSS, cETLus, EPA, PSB, CU-EAC, SEMKO, SASO, KUCAS, UKRAINIAN, PSE, CECP, WEEE, TUV Ergo, TUV/ GS

## Cabinet

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

## USB Connectivity

- USB: USB-C (upstream), USB 3.0 x 2 (downstream, w/fast charging)\*



I/O back panel connector diagram



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\* Fast charging through BC 1.2 standard  
\* Device must support USB-C with DP Alt Mode to support USB-C video transmission  
\* Notebook charging depends on notebook manufacturer  
\* 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.  
\* Response time value equal to SmartResponse  
\* The monitor may look different from feature images.  
\* EPEAT Gold is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.