

Philips Brilliance  
5K LCD monitor with  
PerfectKolor

**P Line**  
27" (68.6 cm)  
5120 x 2880 (5K UHD)

**275P4VYKEB**



## Precise detail and clarity

with UltraClear 5K UHD resolution

See detail like never before with the new Philips 5K UHD monitor. 14.7 million pixels provide razor sharp visuals for your most detailed work. PerfectKolor technology ensures accurate and consistent colour every time.

### Perfect colour every time

- 1.074 billion colours for smooth colour gradations and detail
- SmartUniformity for consistent images
- Pro colour standards 99% Adobe RGB, 100% sRGB

### Razor-sharp visuals

- 5K Ultra HD (5120 x 2880) resolution for ultraclear visuals
- Less eye fatigue with Flicker-Free technology
- PLS LED wide-view technology for image and colour accuracy

### Designed for the way you work

- Built-in stereo speakers for multimedia
- SmartErgoBase enables user-friendly ergonomic adjustments
- USB 3.0 enables fast data transfers and smart phone charging
- Webcam with mic to connect and collaborate

# PHILIPS

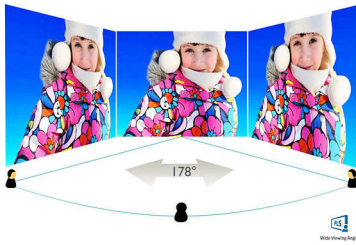
# Highlights

## UltraClear 5K UHD Resolution



14.7 million pixels for precise detail and clarity. With 5K Ultra HD resolution, four times Quad HD, you see detail like you've never seen before for perfect results.

## PLS technology



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

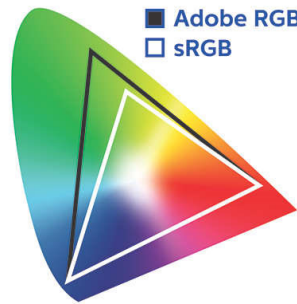
## Flicker-Free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience

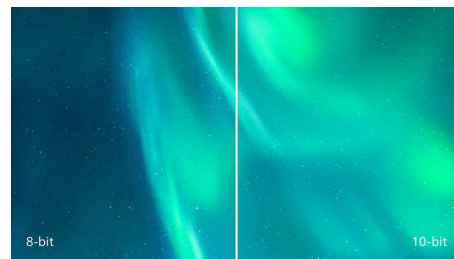
flicker on their screen which causes eye fatigue. Philips Flicker-Free technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## PerfectKolor for exact results



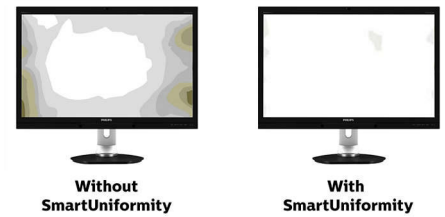
The perfect colour, you know it when you see it. These new monitors feature high quality brilliant panels for rich accurate colour from every angle. Know that your colour is consistent with professional industry-standard colour, 99% Adobe RGB and 100% sRGB. Out of the box colour precision with factory colour calibration gives you confidence right from the start. Adjust the colour to your exact standards with six axis custom colour adjustment. Save time and money with Philips monitors with PerfectKolor Technology.

## 10-bit colours



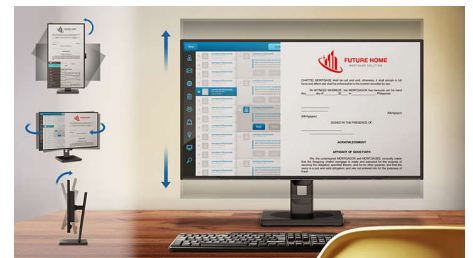
The 10-bit display delivers rich colour depth with 1.074 billion colours and 12-bit internal processing for recreating smooth, natural colours without gradations and colour banding.

## SmartUniformity



Fluctuations in brightness and colour on LCD screens are a common phenomenon. Philips' SmartUniformity mode delivers accurate images in terms of brightness; which is crucial for photography, design and printing. With a colour metric to assess colour accuracy, this mode is calibrated to meet average luminance uniformity of more than 95%. Selecting this mode will produce uniform and accurate images.

## 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.

## Webcam

Embedded webcam and microphone enables you to view and communicate with your colleagues and clients. This simple solution allows you to collaborate and share, saving precious time and travel-related costs.



# Specifications

## Connectivity

- Signal Input: DisplayPort x 2
- USB: USB 3.0 x 3 (1 w/fast charging)\*
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Headphone out

## Picture/Display

- Panel Size: 27 inch/68.6 cm
- Aspect ratio: 16:9
- LCD panel type: PLS LCD (Glare)
- Backlight type: W-LED system
- Pixel pitch: 0.117 x 0.117 mm
- Optimum resolution: 5120 x 2880 @ 60Hz (Dual DP cable required), 3840 x 2160 @ 60 Hz (Single DP cable required)\*
- Brightness: 300 cd/m<sup>2</sup>
- Display colours: 1.07G (True 10 bit)
- Colour gamut (typical): 99% Adobe RGB
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Response time (typical): 8 (Grey to Grey) ms
- Viewing angle: 178° (H)/178° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Effective viewing area: 596.74 (H) x 335.66 (V)
- Scanning Frequency: 174 kHz (H) / 60 Hz (V)
- sRGB

## Convenience

- Built-in Speakers: 2 W x 2
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB
- User convenience: SmartImage, Volume, Brightness, 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 (100 x 100 mm)
- Built-in webcam: 2.0 megapixel camera with microphone and LED indicator

## Stand

- Height adjustment: 150 mm
- Pivot: 90 degree
- Swivel: -65/+65 degree
- Tilt: -5/20 degree

## Power

- ECO mode: 45.1 W (typ.)
- Power supply: External, 100–240 VAC, 50–60 Hz
- Off mode: < 0.5 W
- On mode: 85.4 W (typ.)
- Standby mode: < 0.5 W
- Power LED indicator: Operation - White, Standby mode - White (flashing)

## Dimensions

- Product with stand (mm): 639 x 580 x 273 mm
- Packaging in mm (W x H x D): 750 x 234 x 490 mm
- Product without stand (mm): 639 x 405 x 64 mm

## Weight

- Product with packaging (kg): 11.99 kg
- Product with stand (kg): 8.11 kg
- Product without stand (kg): 5.32 kg

## Operating conditions

- Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
- 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: RoHS
- Post-consumer recycled plastic: 65%
- Recyclable packaging material: 100 %
- Specific Substances: PVC/BFR free housing, Mercury free

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, CU-EAC, SEMKO, cETLus, TUV Ergo, TUV/GS, WEEE

## Cabinet

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

## What's in the box?

- Cables: DP, Audio, USB, Power
- Monitor with stand
- User Documentation



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\* Smart response time is the optimum value from either GtG or GtG (BW) tests.

\* Fast charging complies with USB BC 1.2 standard

\* Two DisplayPort cables from the supported graphics card to the monitor are required to support 5120 x 2880 resolution.

\* Only the following NVIDIA Graphics cards support this monitor at 5120 x 2880 resolution: GeForce: GTX980, Quadro: K2200, K4200, K5200.