



Philips Brilliance  
4K UHD monitor with  
HDR

## B Line

28" (71.1 cm)  
3840 x 2160 (4K UHD)

288B9RN

# Crisp images, efficient performance

for maximum productivity

When ultra-clear picture quality matters, Philips 28" 4K HDR monitor delivers excellent results. 4K UHD delivers ultimate clarity with HDR for the most life-like visuals. SmartErgo base and LowBlue mode features make work easy-on-the eyes.

### Excellent performance

- SmartImage presets for easy optimized image settings
- UltraClear 4K UHD (3840x2160) resolution for precision
- High Dynamic Range (HDR) for more lifelike colorful visuals

### Designed for the way you work

- SmartErgoBase enables people-friendly ergonomic adjustments
- VESA mount allows for the perfect setup
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience

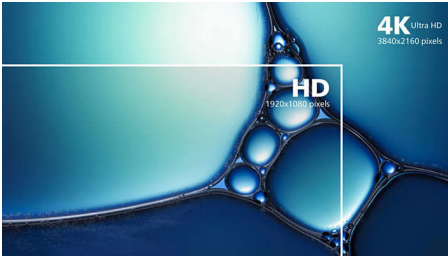
# PHILIPS

4K UHD monitor with HDR  
B Line 28" (71.1 cm), 3840 x 2160 (4K UHD)

288B9RN/75

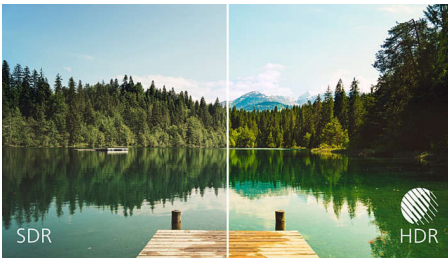
# Highlights

## 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.

## 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.

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed

on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

## Flicker-free technology



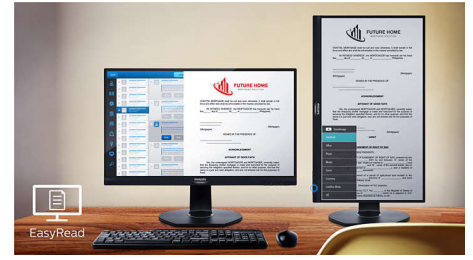
Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## LowBlue Mode



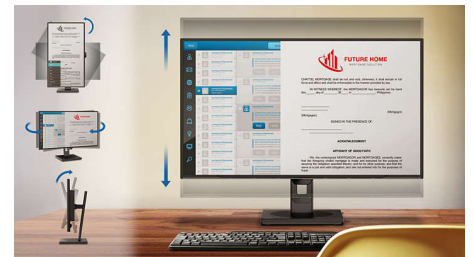
Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

## EasyRead mode



EasyRead mode for a paper-like reading experience

## 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.

## VESA mount

VESA pattern guarantees compatibility hundreds of innovative mounting solutions.

**4K**  
Ultra HD

**HDR**

**SmartImage**

**Flicker-free**

**LowBlue Mode**

**EasyRead**

**SmartErgo Base**

**VESA Mount**

**4K**  
Ultra HD

# Specifications

## Picture/Display

- Panel Size: 28 inch / 71.1 cm
- Aspect ratio: 16:9
- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Pixel pitch: 0.16 x 0.16 mm
- Optimum resolution: 3840 x 2160 @ 60Hz
- Brightness: 300 cd/m<sup>2</sup>
- Display colors: Color support 1.07 billion colors
- Color gamut (typical): NTSC 84%\*, sRGB 102%\*, Adobe RGB 82%\*
- Contrast ratio (typical): 1,000:1
- SmartContrast: 50,000,000 :1
- Response time (typical): 1 ms (Gray to Gray)\*
- Viewing angle: 170° (H) / 160° (V), @ C/R &gt; 10
- Picture enhancement: SmartImage
- Effective viewing area: 620.93 (H) x 341.28 (V)
- Scanning Frequency: 30 - 140 kHz (H) / 23 - 75 Hz (V)
- sRGB
- Delta E: < 2
- Flicker-free
- Pixel Density: 157 PPI
- LowBlue Mode
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- SmartUniformity: 93 ~ 105%
- EasyRead
- HDR: HDR 10

## Connectivity

- Signal Input: DisplayPort 1.4 x 1, HDMI 2.0 x 2
- Sync Input: Separate Sync
- Audio (In/Out): Audio out
- HDCP: HDCP 2.2 (HDMI / DP)

## Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8 / 7
- User convenience: SmartImage, Input, 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 (100x100mm)

## Stand

- Height adjustment: 150 mm

- Pivot: +/-90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

## Power

- ECO mode: 21.1 W (typ.)
- Power supply: Built-in, 100-240VAC, 50-60Hz
- Off mode: Zero watts with AC switch
- On mode: 37.4 W (typ.)
- Standby mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

## Dimensions

- Packaging in mm (WxHxD): 782 x 497 x 224 mm
- Product without stand (mm): 659 x 396 x 50 mm
- Product with stand(max height): 659 x 579 x 224 mm

## Weight

- Product with packaging (kg): 10.35 kg
- Product with stand (kg): 7.16 kg
- Product without stand (kg): 4.76 kg

## Operating conditions

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

## Sustainability

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

## Compliance and standards

- Regulatory Approvals: CE Mark, CECP, CCC, CEL, MEPS, RCM

## Cabinet

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



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\* Response time value equal to SmartResponse

\* NTSC Area based on CIE1976

\* sRGB Area based on CIE1931

\* Adobe RGB Coverage based on CIE1976

\* The monitor may look different from feature images.