



Philips  
5000 series Smart Ultra  
HDTV

50" class/po  
4K UHD 2160p  
BrightPro  
Enhanced Color Gamut

50PFL5903



## Smart 4K UltraHDTV

Your favorite online content in UltraHD

Dolby Vision™ transforms your TV experience with dramatic imaging - incredible brightness, contrast, and color that bring entertainment to life before your eyes.

### Enjoy the beauty of 4K Ultra HD

- 120 Perfect Motion Rate for increased pixel response times
- Enjoy HD content in 4K UHD with a 4K upscaling engine
- An intelligent dimming backlight for dynamic contrast
- Pixel Precise UltraHD for vivid, natural, and real images
- The beauty of 4K UltraHD TV is in savoring every detail
- Dolby Vision for Dramatic Imaging at Home

### Complete digital TV connectivity made simple.

- Wireless LAN 802.11ac with MIMO for seamless streaming of 4K
- NetTV with Wireless access to online services on your TV
- Wirelessly mirror the screen of smart device on your TV
- Stunning Brightness

### Authentic and clear sound experience.

- 20 Watts RMS of rich surround sound to complement 4K images
- Immersive sound with clear voice designed by sonic emotion

# PHILIPS

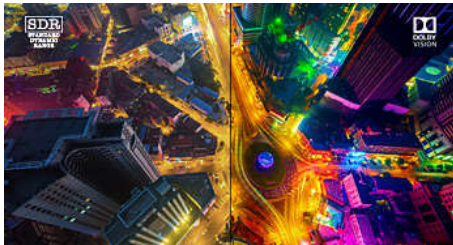
# Highlights

## 4K UltraHD



4 times the resolution of Full HD brings your viewing experience to the whole new level. Enjoy every detail and the breathtaking beauty of the pictures.

## Dolby Vision



Dolby Vision is a powerful cinema technology that now transforms your TV experience. It brings entertainment to life with dramatic imaging - incredible brightness, color, contrast, detail and dimensionality. And with the advanced capabilities in Dolby Vision, you'll see there's more to the story than generic HDR can reveal.

## Pixel Precise UltraHD



The beauty of 4K Ultra HD TV is in savoring every detail. The picture-processing algorithms of our Pixel Precise Ultra HD engine convert any input picture into UHD resolution on your screen. The result? Whether you watch a video online or native 4K Ultra-HD content,

you'll experience exceptional sharpness, motion, clarity, color and contrast from Philips.

## Bright Pro



BrightPro backlight boosts brighter areas of the image by up to twice as much as a regular LED backlight. Bright Pro enables to display exceptional brightness and contrast even in brightly lit rooms. Video scenes which feature bright light sources such as sunlight, fireworks, police lights, flashlights, etc. look more realistic and lifelike.

## Macro dimming



Using a proprietary video processing algorithm which measures average luminance level of each video frame, Philips' Macro Dimming intelligent backlight dims the backlight to match every video frame to ensure you have a strain-free life-like viewing experience with bright whites, vivid colors and dark blacks.

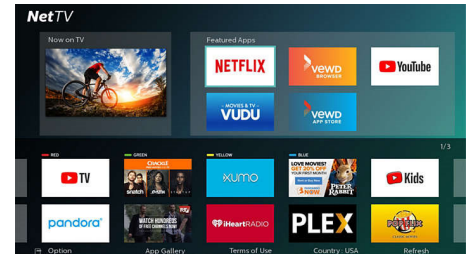
## 120 Perfect Motion Rate



120 Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and

vibrant images in fast action movies. The new Philips PMR standard reduces response time of the HDTV to produce faster picture transitions and reduces motion artifacts.

## Net TV



Philips NetTV is built for streaming. With a simple push of a button, gain instant access to popular streaming applications such as Netflix, Vudu, YouTube, all within a clutter-free, easy to use interface. Visit the App Store to download additional content from our extensive entertainment library, with entertainment options to suit everyone. Surf the web on your big screen TV, all without the need of connecting a computer. Enjoy smooth streaming of up-to 4K content with the powerful, built-in Wireless 802.11ac MIMO Dual-Band chipset.

## Wireless LAN 802.11ac w/ MIMO



Wireless LAN 802.11ac with MIMO antennas for seamless streaming of online 4K content.

# Specifications

## Picture/Display

- Aspect ratio: Widescreen(16:9)
- Contrast ratio (typical): 5000:1
- Response time (typical): 9.5 ms
- Diagonal screen size (inch): 50 inch
- Diagonal screen size (metric): 127 cm
- Panel resolution: 3840x2160p
- Picture enhancement: Pixel Plus UltraHD, Black stretch, Digital Noise Reduction, MPEG artifact reduction, 120 PMR, Color Enhancement, Dynamic contrast, Gamma, Macro Dimming
- Visible screen diagonal (inch): 49.5 inch
- Display screen type: LED UltraHD Display
- Viewing angle: 178° (H) / 178° (V)

## Supported Display Resolution

- Computer formats: 640 x 480, 60Hz, 720 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz, 1280 x 1024, 60Hz, 1360 x 768, 60Hz, 1440 x 900, 60 Hz, 1920 x 1080, 60Hz, 1680 x 1050, 60Hz, 1400 x 1050, 60Hz, 3840 x 2160, 60Hz, 4096 x 2160, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 720p, 60Hz, 1080i, 60Hz, 1080p, 24,30,60Hz, 2160p, 24, 30, 60Hz

## Sound

- Equalizer: 5-bands
- Output power (RMS): 2 x 10W
- Sound System: Sonic Emotion Premium, Stereo, SAP, Dolby Audio

## Loudspeakers

- Built-in speakers: 2

## Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Use: AutoPicture, AutoSound, Settings assistant Wizard, Auto Volume Leveling
- Remote Control: TV
- Screen Format Adjustments: 4:3, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot), Full, Automatic
- Ease of Installation: Autostore
- Multimedia: auto slideshow, USB media browser

## Multimedia Applications

- Multimedia connections: USB Storage Device
- Playback Formats: MP3, JPEG Still pictures, MPEG1, MPEG2, H.264/MPEG-4 AVC, H.265/HEVC, AAC, WAVE, AC3, MPEG4

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
- Tuner bands: UHF, VHF

## Connectivity

- Other connections: Ethernet, Headphone out, Wireless LAN 802.11ac MIMO
- EasyLink (HDMI-CEC): One touch play, Power status, System info (menu language), Remote control pass-through, System audio control, System standby
- Audio Output - Digital: Optical (TOSLINK)
- AV 1: Shared audio L/R in, CVBS/YpBPr
- USB: USB
- HDMI 1: Shared audio L/R in, HDMI
- HDMI 2: Shared audio L/R in, HDMI (Audio Return Channel)
- HDMI 3: HDMI, Shared audio L/R in

## Power

- Mains power: 120V/60Hz
- Power consumption: 125 W
- Standby power consumption: <math>\leq</math> 0.5W
- Ambient temperature: 5°C to 40°C (41°F to 104°F)

## Dimensions

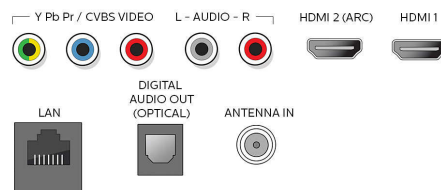
- Product weight (lb): 21.6 lb
- Box height (inch): 29.4 inch
- Box width (inch): 51.2 inch
- Box depth (inch): 6.4 inch
- Wall mount compatible: 300 x 200 mm
- Set Width (inch): 44.2 inch
- Set Height (inch): 25.6 inch
- Set Depth (inch): 3.7 inch
- Set width (with stand) (inch): 44.2 inch
- Set depth (with stand) (inch): 8.9 inch
- Set height (with stand) (inch): 27.6 inch
- Product weight (+stand) (lb): 22.1 lb
- Weight incl. Packaging (lb): 29.8 lb

## Connections

### Side



### Rear



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Version: 2.1.1

UPC: 6 09585 25196 0

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