



Philips 7800 series  
4K UHD LED Smart TV  
with Ambilight 3-sided

**178 cm (70")**  
DOLBY VISION and DOLBY  
ATMOS  
Major HDR formats supported  
P5 Perfect Picture Engine



70PUT7805

## Discover new dimensions with the Philips Ambilight

### 4K HDR Smart LED TV

Add new dimensions to your viewing with Philips Ambilight, setting the mood for movies, music or gaming. Picture quality is as brilliant as the content you love. This Philips Smart TV comes with built in a Alexa one touch Home button.

#### **Slim design. Beautiful light.**

- 4K UHD LED TV. Rich color, beautiful detail.
- The magic of Ambilight. Only from Philips.

#### **Brilliant picture. The definition of beauty.**

- Dolby Vision and Dolby Atmos. Cinematic vision and sound.
- Philips P5 Engine. Whatever the source, always perfection.

#### **Simply smart**

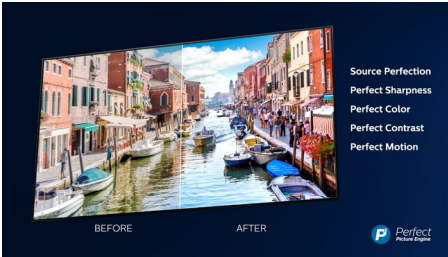
- Saphi Smart TV. The smart way to enjoy your TV.
- One-button access to apps including Netflix and Prime Video.

# PHILIPS

4K UHD LED Smart TV  
178 cm (70") DOLBY VISION and DOLBY ATMOS, Major HDR formats supported, P5 Perfect Picture Engine

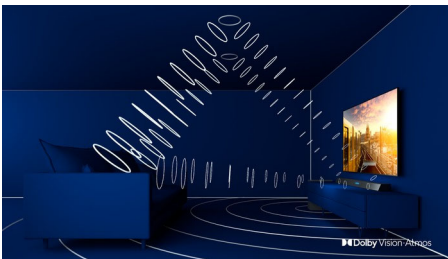
# Highlights

## P5 Perfect Picture Engine



The Philips P5 Perfect Picture Engine delivers an image as brilliant as the content you love. Details have noticeably more depth. Colours are vivid, while skin tones look natural. Contrast is so crisp you'll feel every detail. And motion is so smooth that you'll never lose sight of the ball, no matter how fast the play.

## Dolby Vision and Dolby Atmos



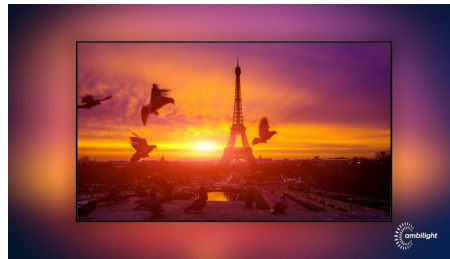
Support for Dolby's premium sound and video formats means the HDR content you watch

will look-and sound-gloriously real. Whether it's the latest streaming series or a Blu-Ray disc set, you'll enjoy contrast, brightness, and color that reflect the director's original intentions. And hear spacious sound with clarity, detail, and depth.

## 4K LED TV

With four times the resolution of conventional Full HD, Ultra HD lights up your screen with over 8 million pixels and our unique Ultra Resolution Upscaling technology. Experience improved images regardless of the original content, and enjoy a sharper picture with superior depth, contrast, natural motion and vivid details.

## Ambilight 3-sided

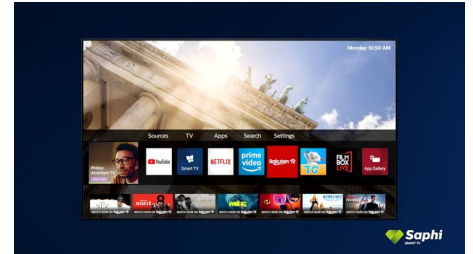


With Philips Ambilight every moment feels closer. Intelligent LEDs around the edge of the

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TV respond to the on-screen action and emit an immersive glow that's simply captivating. Experience it once and wonder how you enjoyed TV without it.

## Saphi Smart TV



SAPHI is a fast, intuitive operating system that makes your Philips Smart TV a real pleasure to use. Enjoy one-button access to a clear icon-based menu. Quickly navigate to popular Philips Smart TV apps including YouTube, Netflix, and more.



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# Specifications

## Ambilight

- Ambilight Version: 3-sided
- Ambilight Features: Built in Ambilight+hue, Wall colour adaptive, Lounge mode, Game Mode, Ambilight Music

## Picture/Display

- Display: 4K Ultra HD LED
- Panel resolution: 3840x2160
- Aspect ratio: 16:9
- Pixel engine: P5 Perfect Picture Engine
- Picture enhancement: Ultra Resolution, HDR10+, Dolby Vision, HLG (Hybrid Log Gamma)

## User Interaction

- Remote Control: with Keyboard

## Smart TV Features

- User Interaction: SimplyShare, Screen mirroring
- Program: Pause TV, USB recording\*
- SmartTV apps\*: Online video stores, Open internet browser, TV on demand, Youtube, Netflix TV
- Ease of Installation: Auto detect Philips devices, Network installation wizard, Settings assistant wizard
- Ease of Use: One-stop smart menu button, Onscreen usermanual
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade
- Screen Format Adjustments: Wide screen, Basic - Fill Screen, Fit to screen, Advance - Shift, Zoom, stretch
- Voice assistant\*: Amazon Alexa built-in, RC with Mic.

## Processing

- Processing Power: Quad Core

## Sound

- Output power (RMS): 20W
- Sound Enhancement: 5 Band Equalizer, A.I. Sound, Clear Dialogue, Dolby Atmos, Dolby Bass Enhancement, Dolby Volume Leveler, Night mode
- Speaker configuration: 2x10W full range speaker

## Connectivity

- Number of HDMI connections: 3

- Number of USBs: 2
- Wireless connections: Dual Band, Bluetooth 4.2, Wi-Fi 802.11n, 2x2, Dual band
- Other connections: Ethernet-LAN RJ-45, Headphone out, CVBS+Audio L/R in, Digital audio out (optical)
- HDMI features: 4K, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, One touch play
- HDCP 2.3: Yes on all HDMI

## Multimedia Applications

- Video Playback Formats: Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, VP9, HEVC (H.265)
- Subtitles Formats Support: .SML, .SRT, .SSA, .SUB, .TXT, .ASS
- Music Playback Formats: AAC, MP3, WAV, WMA (v2 up to v9.2), WMA-PRO (v9 and v10)
- Picture Playback Formats: JPEG, BMP, GIF, PNG, 360 photo, HEIF

## Supported Display Resolution

- Computer inputs on all HDMI: up to 4K UHD 3840x2160 @60Hz, HDR supported, HDR10/HLG
- Video inputs on all HDMI: up to 4K UHD 3840x2160 @60Hz, HDR supported, HDR10/HLG (Hybrid Log Gamma), HDR10+/Dolby Vision

## Tuner/Reception/Transmission

- Digital TV: DVB-T/T2
- MPEG Support: MPEG2, MPEG4
- Video Playback: PAL, SECAM
- TV Program guide\*: 8 day Electronic Program Guide
- Signal strength indication
- Teletext: 1000 page Hypertext
- HEVC support

## Power

- Mains power: AC 110 - 240 V 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Power Saving Features: Auto switch-off timer, Picture mute (for radio), Eco mode

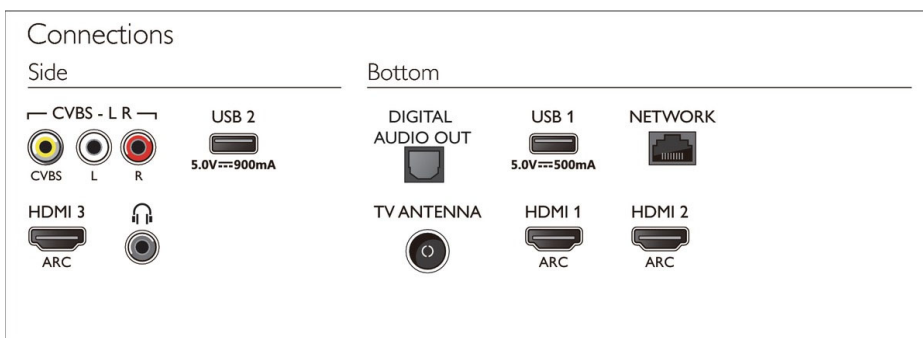
## Dimensions

- Box dimensions (W x H x D):

- 1757 x 1025 x 181 mm
- Set dimensions (W x H x D): 1581 x 894 x 86 mm
- Set dimensions with stand (W x H x D): 1581 x 912.4 x 299.4 mm
- Product weight: 27.6 kg
- Product weight (+stand): 28.2 kg
- Weight incl. Packaging: 32.7 kg
- VESA wall mount compatible: 400 x 200 mm

## Accessories

- Included accessories: Remote Control, 2 x AAA Batteries, Table top stand, Power cord, Quick start guide, Legal and safety brochure



\* EPG and actual visibility (up to 8 days) is country and operator dependent.  
 \* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscription are required. Contact your operator for more information.  
 \* Philips TV Remote app and related functionalities vary per TV model, operator, and country, as well as smart device model and OS. For more details please visit: [www.philips.com/TVRemoteapp](http://www.philips.com/TVRemoteapp).  
 \* Smart TV app offerings vary per TV model and country. For more details please visit: [www.philips.com/smarttv](http://www.philips.com/smarttv).  
 \* Image depicted on the website are non-contractual pictures. Please always refer to the actual TV that are sold in the retail or stores.  
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