



Philips OLED  
4K Ambilight TV

194 cm (77") Ambilight TV

P5 AI perfect picture engine  
Google TV™  
Dolby Vision and Dolby Atmos

77OLED859

# Lifelike. Immersive. Gorgeous.

## 4K Ambilight TV

This elegant OLED Ambilight TV entrances with its lifelike picture and powerful sound. The beautifully thin, bezel-free screen lets the action take centre stage, while Ambilight's glow makes everything seem even bigger and more immersive.

### **4K OLED Ambilight TV. Designed to mesmerise.**

- Immerse yourself in what you love. Ambilight TV.
- Whatever you watch, a picture so real. P5 engine with AI.
- Entertainment you love, with a little help from Google
- Detail and depth. Lifelike OLED picture.

### **Stunning detail. Thoughtful design.**

- Epic gaming. 144 Hz\*, ultra-low lag, G-sync, VRR, FreeSync.
- Cinematic vision and sound. Dolby Vision and Dolby Atmos.
- Bring IMAX home. IMAX Enhanced certified.
- Thoughtful design. Responsible packaging.

### **Seamless in every way.**

- Supports all major HDR formats.
- Easy control
- Philips Wireless Home System powered by DTS Play-Fi

# PHILIPS

4K Ambilight TV  
194 cm (77") Ambilight TV P5 AI perfect picture engine, Google TV™, Dolby Vision and Dolby Atmos

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# Specifications

## Ambilight

- Ambilight Features: Wall colour adaptive, Lounge light mode, Game Mode, Ambilight Music, Sunrise Alarm, AmbiSleep, Ambilight FTI Animation, Works with Philips Wireless Home Speakers
- Ambilight Version: 3 sided

## Picture/Display

- Diagonal screen size (inch): 77 inch
- Diagonal screen size (metric): 194 cm
- Panel resolution: 3840 x 2160
- Native refresh rate: 120 Hz
- Picture engine: P5 AI Perfect Picture Engine
- Picture enhancement: Perfect Natural Motion, Micro Dimming Perfect, Dolby Vision, HLG (Hybrid Log Gamma), CalMAN Ready, IMAX enhanced mode, HDR10+ Adaptive, Film-maker mode

## Display input resolution

- Resolution-Refresh rate: 576 p - 50 Hz, 640 x 480 - 60 Hz, 720 p - 50 Hz, 60 Hz, 1920 x 1080p - 24/25/30/50/ 60/100/120/144Hz, 2560 x 1440 - 60/120/144Hz, 3840x2160p - 24/25/30/50/60/100/120/144Hz

## Tuner/Reception/Transmission

- Digital TV: DVB-T/T2/T2-HD/C/S/S2
- TV Programme guide\*: 8-day Electronic Programme Guide
- Teletext: 1000 page Hypertext

## Smart TV Features

- Interactive TV: HbbTV
- Voice assistant\*: Google Assistant built in, Works with Alexa, RC with Mic.
- Smart Home experience: Works with Amazon Alexa, Works with Google assistant

## Multimedia Applications

- Video Playback Formats: AVI, MKV, HEVC, H.264/ MPEG-4 AVC, MPEG1, MPEG2, MPEG4, VP9, HEVC (H.265), AV1
- Music Playback Formats: MP3, WAV, AAC, FLAC
- Subtitles Formats Support: SRT, SMI, SSA, SUB, ASS, TXT
- Picture Playback Formats: JPEG, GIF, PNG, BMP, HEIF

## Processing

- Processing Power: Quad Core

## Sound

- Audio: 2.1 Channel
- Output power (RMS): Output power: 70 Watt (RMS)
- Speaker configuration: 10 W x 4 mid-high speaker, 30 W subwoofer
- Codec: Dolby Digital MS12 V2.6.2, DTS:X
- Sound Enhancement: Dolby Atmos®, Clear Dialogue, A.I. Sound, A.I. EQ, Dolby Volume Leveller, Night mode, Dolby Bass Enhancement, Room Calibration, DTS Play-Fi

## Connectivity

- Number of HDMI connections: 4
- HDMI features: 4K, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, One touch play
- Number of USBs: 2
- Wireless connection: Wi-Fi 802.11ax, 2x2, Dual band, Bluetooth 5.2, Wi-Fi 6
- Other connections: Common Interface Plus (CI+), Ethernet-LAN RJ-45, Digital audio out (optical), Headphone out, Service connector, Satellite Connector
- HDCP 2.3: Yes on all HDMI
- HDMI ARC: Yes on HDMI2
- HDMI 2.1 features: eARC on HDMI 2, eARC/VRR/ ALLM supported, Max 48 Gbps data rate
- EasyLink 2.0: External setting via TV UI, HDMI-CEC for Philips TV/SB

## Supported HDMI video features

- HDMI 1/2: HDMI 2.1 full bandwidth 48 Gbps, up to 4K 120 Hz
- Gaming: ALLM, Dolby Vision Game, HDMI VRR, HGiG, AMD FreeSync Premium, Nvidia G-Sync compatible
- HDMI 3/4: HDMI 2.0
- HDR: Dolby Vision, HDR10, HDR10+, HDR10+ Adaptive, HLG, UHD A

## EU Energy card

- Energy class for SDR: F
- Energy class for HDR: F
- Off mode power consumption: n.a

- Networked standby mode: 2.0 W
- Panel technology used: OLED

## Power

- Mains power: AC 220 - 240 V 50/60 Hz
- Standby power consumption: less than 0.3 W
- Power Saving Features: Auto switch-off timer, Picture mute (for radio), Eco mode, Light sensor

## Accessories

- Included accessories: Remote Control, Tabletop stand, Power cord, Quick start guide, Legal and safety brochure, 1x USB-C cable for remote control charging

## Design

- Colours of TV: Metal bezel frame
- Stand design: Satin chrome stand

## Dimensions

- Weight incl. Packaging: 47.0 kg kg
- Stand height to TV bottom edge: 20/ 70 mm
- Wall-mount compatible: 400 x 300 mm
- TV stand width distance: 805 mm
- TV without stand (W x H x D): 991 x 1723 x 80 mm
- TV with stand (W x H x D): 1057 x 1723 x 310 mm
- Package carton (W x H x D): 1170 x 1950 x 200 mm
- Weight of TV without stand: 35.2 kg
- Weight of TV with stand: 36.5 kg

## Google TV

- Memory size (Flash): 16 GB\*
- Pre-installed apps: Disney+, Apple TV, Netflix, YouTube, Amazon Prime video, Aurora, Whaleflix, NFT, STB control

\* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.

\* 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.

\* Smart TV app availability varies per TV model and country. For more details, please visit: [www.philips.com/smarttv](http://www.philips.com/smarttv).

\* Philips TV Remote app and related functionalities vary by 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).

\* EPG and actual visibility (up to 8 days) is country- and operator-dependent.

\* Netflix subscription required. Subject to terms on <https://www.netflix.com>

\* Amazon Prime is available in selected languages and countries.

\* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Amazon Alexa is available in selected languages and countries

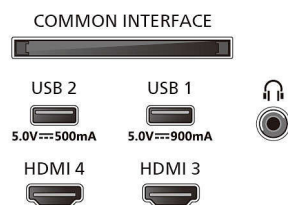
\* Over-the-top media services button on the remote control will be different in each country. Please refer to the actual product in the box.

\* Google Assistant is available in different languages and countries specific to product types.

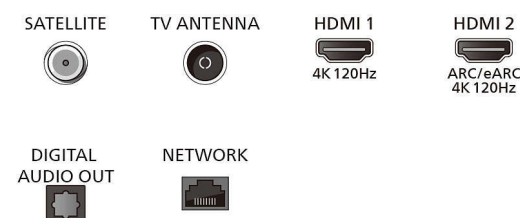
\* Availability and functionality of voice control services varies according to country and language.

## Connections

### Side



### Bottom



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