



Philips OLED
4K Ambilight TV

121 cm (48") Ambilight TV

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



48OLED859

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

121 cm (48") Ambilight TV P5 AI perfect picture engine, Google TV™, Dolby Vision and Dolby Atmos

48OLED859/12

AMBILIGHT tv

 AI Intelligent
Picture Engine

 OLED

 NVIDIA
G-SYNC

 Dolby Vision Atmos

IMAX
ENHANCED

 Hey Google

 dts play-fi

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): 48 inch
- Diagonal screen size (metric): 121 cm
- Display: 4K Ultra HD OLED
- 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 Google assistant, Works with Amazon Alexa

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 Watts (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, UHD4

EU Energy card

- EPREL registration numbers: 1860398
- Energy class for SDR: G
- On mode power demand for SDR: 66 kWh/1000h

- Energy class for HDR: G
- On mode power demand for HDR: 69 kWh/1000h
- 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, 1 x Li-on battery, 1x USB-C cable for remote control charging

Design

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

Dimensions

- Weight incl. Packaging: 21.3 kg
- Stand height to TV bottom edge: 72 mm
- Wall-mount compatible: 300 x 300 mm
- TV without stand (W x H x D): 618 x 1070 x 113 mm
- TV with stand (W x H x D): 684 x 1070 x 220 mm
- Package carton (W x H x D): 800 x 1214 x 150 mm
- Stand (W x H x D): 70 x 450 x 179 mm
- Weight of TV without stand: 14.0 kg
- Weight of TV with stand: 17.3 kg

Google TV

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

* 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' broadcasts. 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 by TV model, operator and country, as well as smart device model and OS. For more details, please visit: 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.

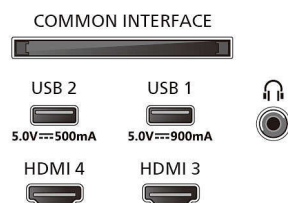
* Availability and functionality of voice-control services varies according to country and language.

* Google TV is the name of this device's software experience and a trademark of Google LLC.

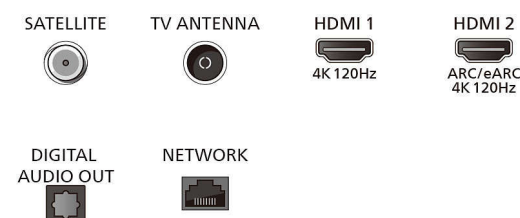
* Google TV is the name of this device's software experience and a trademark of Google LLC. YouTube, OK Google and other marks are trademarks of Google LLC.

Connections

Side



Bottom



Issue date 2024-06-12

Version: 8.8.1

EAN: 87 18863 04215 1

© 2024 Koninklijke Philips N.V.
All Rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

www.philips.com