PHILIPS

4K Ambilight TV

OLED+

194 cm (77") Ambilight TV

Sound by Bowers & Wilkins

P5 AI picture engine

Google TV™

77OLED909

Immersion feels like this

4K Ambilight TV-Bowers & Wilkins sound

Go deeper into the action, the emotion and the music with this bright OLED+ TV. With 4-sided Ambilight, a jaw-droppingly lifelike picture and detailed Bowers & Wilkins sound, you get a more thrilling and immersive experience every time.

4K OLED+ Ambilight TV. Immerse in lifelike.
- All-around immersion. 4-sided Ambilight TV.
- Legendary Bowers & Wilkins sound.
- Whatever you watch, a picture so real. P5 engine with AI.
- Entertainment you love, with a little help from Google.

Our ultimate experience. Packed responsibly.
- Epic gaming. Ultra-low lag, 144 Hz* VRR, G-sync, FreeSync.
- Thoughtful design. Responsible packaging.
- Cinematic vision and sound. Dolby Vision and Dolby Atmos.
- Bring IMAX home. IMAX Enhanced certified.

Your entertainment. Taken care of beautifully.
- Supports all major HDR formats
- Easily connect to smart home networks and voice assistants.
- Compatible with Matter and Control4.
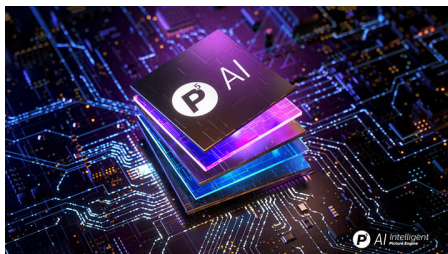- Philips Wireless Home System powered by DTS Play-Fi.

Highlights

Ambilight TV

With four-sided Ambilight, sports, films, music and games will feel bigger than ever. Integrated LED lights at the back react to what you watch or listen to, immersing you in a halo of colourful light that emanates from the top, bottom and sides of the TV. For the full impact, hang your Ambilight TV on the wall.
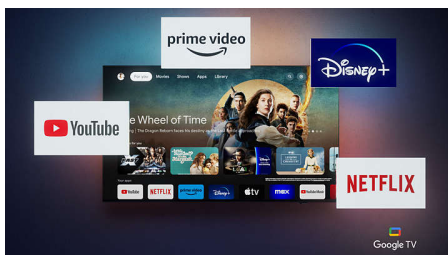
Sound by Bowers & Wilkins

A slim, integrated sound system from Bowers & Wilkins creates an extra-wide soundstage for incredible immersion. Nine front-firing drivers and a dedicated centre channel direct detailed sound with clear dialogue directly towards you. A rear-mounted subwoofer provides deep, accurate bass.

P5 AI perfect picture engine

Enjoy a picture so real it feels like you could step straight into it! Our P5 AI chip gets the most out of this bright OLED+ TV and effortlessly compensates for any changes to ambient lighting. Whatever's on screen—from a bright football pitch to a dark sci-fi drama—you get lifelike definition and contrast, vibrant colours, smooth motion and incredible details.

Google TV™

What do you want to watch? Google TV brings together films, shows and more from across your apps and subscriptions, and organises them just for you. You'll get suggestions based on what you like, and you can even use the Google TV app on your phone to curate your watchlist on the go.

Epic gaming

Play without limits and immerse yourself in OLED's incredible realism! HDMI 2.1, a blazing-fast 120 Hz native refresh rate and ultra-low input lag bring fluid, responsive gameplay, super-smooth natural motion and great-looking graphics. Ambilight's gaming mode brings even bigger thrills and, if you're gaming on a PC, you can enjoy 144 Hz VRR via HDMI.

Sustainable materials

The integrated Bowers & Wilkins sound system looks chic, and 4-sided Ambilight creates mesmerising mood lighting when the screen is off. The slender TV remote is made from recycled plastic, recharges wirelessly and has motion-activated backlighting. Our packaging uses FSC-certified recycled cardboard, and the inserts are printed on recycled paper.
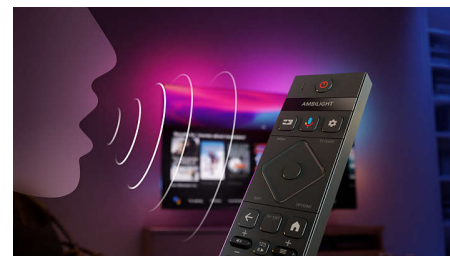
Dolby Vision & Dolby Atmos

With Dolby Vision and Dolby Atmos on board, your films, shows and games look and sound incredible. See the picture the director wanted you to see. No more disappointing scenes that are too dark to make out! Hear every word clearly. Experience sound effects like they're really happening around you.
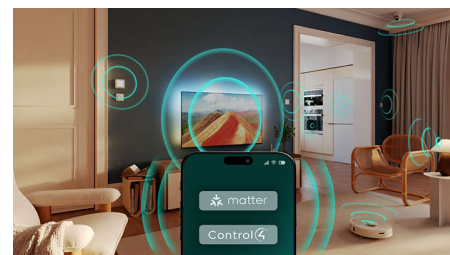
IMAX Enhanced

Welcome to Hollywood! Your Philips OLED TV lets you experience the full impact of films originally made to play in IMAX cinemas. Be immersed in a far greater sense of scale. See more in every scene. Combined with Ambilight, you're in for a film night to remember.

Seamless control

Seamless compatibility with Matter and Control4 means you can easily integrate this 4K Ambilight TV into your existing smart home network. You can also use the TV remote to control your satellite or cable box, or wake the Google Assistant* — and the TV is compatible with Alexa-enabled devices too.

Compatible with Matter and Control4

Compatible with Matter and Control4.

Specifications

Ambilight

Ambilight Features: Wall colour adaptive, Lounge mode, Game Mode, Ambilight Music, Sunrise Alarm, AmbiSleep, Ambilight FTI Animation

Ambilight Version: 4 sided

Picture/Display

Diagonal screen size (inch): 77 inch

Diagonal screen size (metric): 194 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, Wide Colour Gamut 99% DCI/P3, Dolby Vision, A.I. PQ mode, CalMAN Ready, IMAX enhanced mode, HDR10+ Adaptive, Film-maker mode

Multi-view

Display input resolution

Resolution-Refresh rate: 576 p - 50 Hz, 640 x 480 - 60 Hz, 1920 x 1080p -24/25/30/50/ 60/100/120Hz, 720 p - 50 Hz, 60 Hz, 2560 x 1440 - 60 Hz, 120 Hz, 3840 x 2160p - 24/25/30/50/60/100/120 Hz

Tuner/Reception/Transmission

Digital TV: DVB-T/T2/T2-HD/C/S/S2

Video Playback: PAL, SECAM

TV Programme guide*: 8-day Electronic Programme Guide

Signal strength indication

Teletext: 1000 page Hypertext

HEVC support

Smart TV Features

Interactive TV: HbbTV

Voice assistant*: Google Assistant built in, RC with Mic.

Smart Home experience: Works with Amazon Alexa, Works with Google Home, Compatible with Matter, Connects with Control4

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: Sound by Bowers & Wilkins, 3.1 Channel, Output power: 81 Watt (RMS)

Speaker configuration: 8.5 W x 6, woofer 30 W

Codec: AC-4, Dolby Atmos®, Dolby Digital MS12 V2.6.1, DTS:X

Sound Enhancement: A.I. Sound, Clear Dialogue, Dolby Atmos®, Dolby Bass Enhancement, Dolby Volume Leveller, Night mode, A.I. EQ, Room Calibration

Specifications

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 6, Bluetooth 5.2, Wi-Fi 802.11ax, 2x2, Dual band
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

Supported HDMI video features

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

EU Energy card

EPREL registration numbers: 1963574
Energy class for SDR: F
On mode power demand for SDR: 134 kWh/1000h
Energy class for HDR: G
On mode power demand for HDR: 156 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 with wireless charging, 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
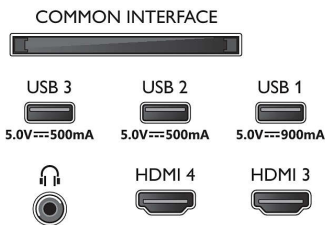**Stand design:** Black sticks

Dimensions

Weight incl. Packaging: 46.8 kg
Distance between 2 stands: 805 mm
Stand height to TV bottom edge: 23 mm
Wall-mount compatible: 400 x 300 mm
TV without stand (W x H x D): 1712 x 1017 x 67 mm
TV with stand (W x H x D): 1712 x 1040 x 310 mm
Package carton (W x H x D): 1950 x 1170 x 200 mm
Weight of TV without stand: 35.5 kg
Weight of TV with stand: 36.3 kg

Connections

Side

COMMON INTERFACE

USB 3 5.0V⎓500mA
USB 2 5.0V⎓500mA
USB 1 5.0V⎓900mA

HDMI 4
HDMI 3

Bottom

SATELLITE
TV ANTENNA
HDMI 1 4K 120Hz
HDMI 2 ARC/eARC 4K 120Hz

SUBWOOFER PRE OUT
NETWORK
DIGITAL AUDIO OUT
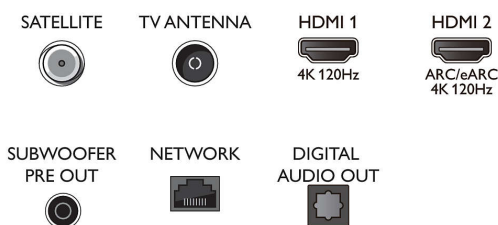
* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.
* The TV supports DVB reception for 'Free to air' broadcasts. Specific DVB operators may not be supported. An up-to-date list 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
* Memory size (Flash) : 16 G, the actual available disc space may differ (dependent on e.g. (pre-)installed apps, installed operating system, etc.)
* EPG and actual visibility (up to 8 days) is country- and operator-dependent.
* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Amazon Alexa is available in selected languages and countries.
* Amazon Prime is available in selected languages and countries.
* Netflix subscription required. Subject to terms on https://www.netflix.com
* Disney+ subscription required. Subject to terms at https://www.disneyplus.com (c) 2020 Disney and its related entities. Disney+ is available in selected languages and countries.
* Google Assistant is available on Philips Android TVs running on Android O (8) or higher OS version. Google Assistant is available in selected languages and countries.
* 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.
* 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.
* Apple, AirPlay and Apple Home are trademarks of Apple Inc., registered in the U.S. and other countries and regions.
* 144 Hz HDMI VRR, G-sync and FreeSync are achievable when gaming on a PC, connected to your OLED+ TV via HDMI.
* Matter/Control4: this feature will become available in 2024 via a software update.

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