Philips OLED
4K Ambilight TV

121 cm (48") Ambilight TV

P5 AI perfect picture engine
Dolby Atmos sound
Google TV™

48OLED808

Gorgeous. In every way.

4K Ambilight TV

From films to shows, the lifelike picture and full-bodied sound of this OLED TV combine with Ambilight's immersive halo to give you an exceptional experience. The dark metal frame and zero-bezel design brings the elegance.

4K OLED Ambilight TV. Designed to mesmerise.
- More immersive than ever. Ambilight TV.
- Premium design. Packed for the future.
- OLED EX panel. Higher peak brightness and thinner bezel.
- Whatever you watch, a picture so real. P5 engine with AI.
- Bright OLED screen. See every detail even in a well-lit room.

Extraordinary detail. Flexible sound.
- Cinematic vision and sound. Dolby Vision and Dolby Atmos.
- Supports all major HDR formats.
- Bring IMAX home. IMAX Enhanced certified.
- Philips Wireless Home System powered by DTS Play-Fi

Seamless in every way.
- Voice control. Google Assistant. Works with Alexa.
- Epic gaming. 120 Hz, ultra-low lag, G-sync, VRR, FreeSync.
- Entertainment you love, with a little help from Google.

PHILIPS

Highlights

Next-gen Ambilight

With next-gen Ambilight, LEDs behind the screen immerse you in a halo of colourful light that's more detailed, better defined and more in sync with the action than ever! Plus, you can liven up a blank screen with the Aurora-curated collection of images and videos, which look great with Ambilight.

P5 AI perfect picture engine

Philips P5 processor with AI delivers a picture so real it feels like you could step right into it. A deep-learning AI algorithm processes images in a manner similar to the human brain. No matter what you're watching, you get lifelike detail and contrast, rich colour and smooth motion.

Bright OLED screen

Bright OLED screen. See every detail even in a well-lit room.

OLED EX panel technology

OLED EX panel. Higher peak brightness and thinner bezel.

Premium design

The ultra-thin metal bezel lends a real sense of style while the satin-chrome swivel stand makes placement a breeze, and the remote control is backlit for ease of use. Our TV packaging uses FSC-certified recycled cardboard and our printed materials use recycled paper.

IMAX Enhanced

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 Your Philips OLED TV lets you experience the full impact of films originally made to play in IMAX cinemas.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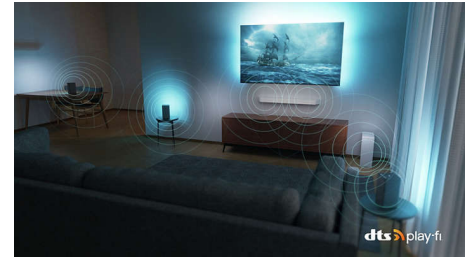
Dolby Vision and Dolby Atmos

With Dolby Vision and Dolby Atmos on board, your films, shows and games look and sound incredible. See the picture that 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.

HDR supported

Supports all major HDR formats.

DTS Play-Fi

You get great, clear TV sound straight out of the box. If you want more, the Philips Wireless Home System with DTS Play-Fi lets you connect to compatible soundbars and wireless speakers around your home in seconds. You can even create a home cinema surround-sound system using your TV as a central speaker.

AI voice control

Voice control. Google Assistant. Works with Alexa.

Google TV™

What do you want to watch? Google TV brings together movies, 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 get the best out of next-gen gaming gear with fluid, responsive gameplay and super-smooth natural motion. Ambilight's gaming mode brings even bigger thrills.

Specifications

Ambilight
- Ambilight Features: Wall colour adaptive, Lounge mode, Game Mode, Ambilight Music, AmbiWakeup, AmbiSleep, Philips Wireless Home Speakers, Ambilight Boot-Up Animation
- Ambilight Version: next generation 3 sided

Picture/Display
- Diagonal screen size (inch): 48 inch
- Diagonal screen size (metric): 121 cm
- Display: 4K Ultra HD OLED
- Picture enhancement: Perfect Natural Motion, Micro Dimming Perfect, Wide Colour Gamut 99% DCI/P3, Dolby Vision, HLG (Hybrid Log Gamma), A.I. PQ mode, CalMAN Ready, IMAX enhanced mode, HDR10+ Adaptive, Film-maker mode
- Panel resolution: 3840 x 2160
- Native refresh rate: 120 Hz
- Picture engine: P5 AI Perfect Picture Engine

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

Tuner/Reception/Transmission
- Digital TV: DVB-T/T2/T2-HD/C/S/S2
- TV Programme guide*: 8-day Electronic Programme Guide
- Signal strength indication
- Teletext: 1000 page Hypertext
- HEVC support

Android TV
- OS: Google TV™
- Pre-installed apps: Google Play Movies*, Google Search, YouTube, Netflix, Apple TV, BBC iPlayer, Amazon Prime Video, Disney+, Fitness App, YouTube Music
- Memory size (Flash): 16 GB*
- Gaming cloud: Geforce Now

Smart TV Features
- Interactive TV: HbbTV
- Remote Control: with Voice
- Voice assistant*: Google Assistant built in, RC with Mic., Works with Alexa

Multimedia Applications
- Video Playback Formats: Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, VP9, HEVC (H.265), AV1
- Music Playback Formats: AAC, MP3, WAV, WMA (v2 up to v9.2), WMA-PRO (v9 and v10), FLAC
- Subtitles Formats Support: .SMI, .SRT, .SSA, .SUB, .TXT, .ASS
- Picture Playback Formats: JPEG, BMP, GIF, PNG, 360 photo, HEIF

Processing
- Processing Power: Quad Core

Sound
- Sound Enhancement: A.I. Sound, Clear Dialogue, Dolby Atmos®, Dolby Bass Enhancement, Dolby Volume Leveller, Night mode, A.I. EQ, DTS Play-Fi, Mimi Sound Personalisation, Room Calibration
- Audio: 2.1 Channel, Output power: 70 Watt (RMS)
- Codec: AC-4, Dolby Atmos®, Dolby Digital MS12 V2.6.1, DTS:X
- Speaker configuration: 10 W x 4 mid-high speaker, 30 W sub-woofer

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: 3
- Wireless connection: Wi-Fi 802.11ac, 2 x 2, Dual band, Bluetooth 5.0
- 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: HDMI-CEC for Philips TV/SB, External setting via TV UI

Supported HDMI video features
- HDMI 1/2: HDMI 2.1 full bandwidth 48 Gbps, up to 4K 120 Hz
- Gaming: ALLM, AMD FreeSync Premium, Dolby Vision Game, HDMI VRR, 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: tbc
- Energy class for SDR: G
- On mode power demand for SDR: tbc kWh/1000h
- Energy class for HDR: G
- On mode power demand for HDR: tbc 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: <0.3 W
- Power Saving Features: Auto switch-off timer, Picture mute (for radio), Eco mode, Light sensor

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

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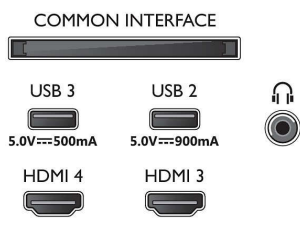- Stand design: Satin chrome EVO stand

Dimensions
- Box depth: 150.0 mm
- Box height: 800.0 mm
- Box width: 1214.0 mm
- Product weight: 13.9 kg
- Set Width: 1070.0 mm
- Stand height: 70.0 mm
- Set width (with stand): 1070.0 mm
- Wall-mount compatible: 300 x 300 mm
- Set Height: 618.0 mm
- Stand depth: 230.0 mm
- Weight incl. Packaging: 20.9 kg
- Set Depth: 68.0 mm
- Stand width: 450.0 mm
- Set height (with stand): 684.0 mm
- Set depth (with stand): 230.0 mm
- Product weight (+stand): 17.3 kg
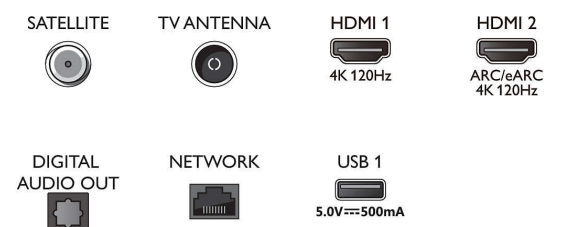- Stand height to TV bottom edge: 70.0 mm

Connections

Side

COMMON INTERFACE

USB 3
5.0V⎓500mA

USB 2
5.0V⎓900mA

🎧

HDMI 4

HDMI 3

Bottom

SATELLITE

TV ANTENNA

HDMI 1
4K 120Hz

HDMI 2
ARC/eARC
4K 120Hz

DIGITAL AUDIO OUT

NETWORK

USB 1
5.0V⎓500mA