4K Ambilight TV

OLED

121 cm (48") Ambilight TV

P5 AI perfect picture engine

Google TV™

Dolby Vision and Dolby Atmos

48OLED809

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.
- Easily connect to smart home networks and voice assistants.
- Compatible with Matter and Control4
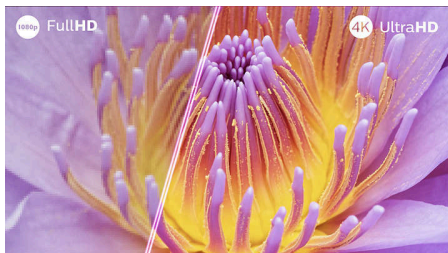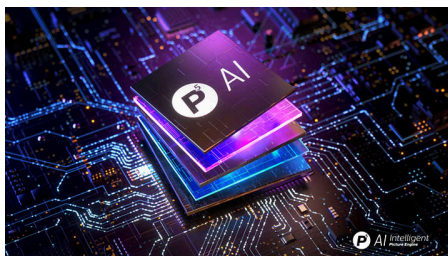- Philips Wireless Home System powered by DTS Play-Fi
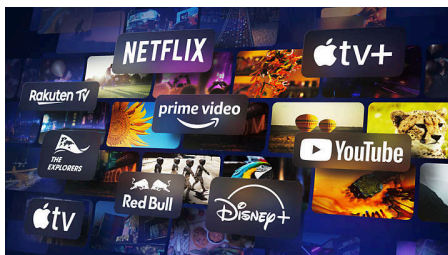
Highlights

Ambilight TV

Ambilight TVs are the only TVs with integrated LED lights on the back that react to what you watch, immersing you in a halo of colourful light. It changes everything: your TV seems bigger, and you'll be drawn deeper into your favourite sports, films, music and games.

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.
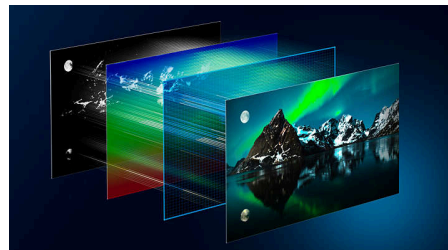
Google TV™

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.

OLED Ambilight TV

The lifelike picture of your 4K (UHD) OLED Ambilight TV always looks incredible, even if viewed at an angle. Blacks are always black, not grey, and you'll see every detail in shadows or bright areas. All major HDR formats are supported — you'll feel the full power of every scene.

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.

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 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.
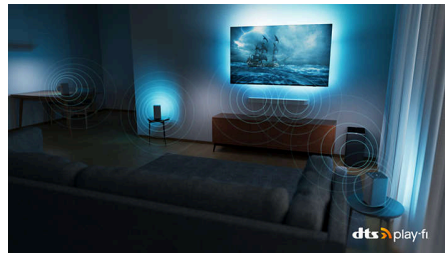
Highlights

Sustainable materials

The geometric satin-chrome swivel stand looks striking, and you can use Ambilight as instant mood lighting when the screens off. The TV remote recharges wirelessly and is made from recycled plastic. Our packaging uses FSC-certified recycled cardboard and the inserts are printed on recycled paper.

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. Stream effortlessly to your TV from your iPhone, iPad or Mac. Watch movies from apps. Share photos with friends in the room.*

DTS Play-Fi compatible

Philips Wireless Home System with DTS Play-Fi lets you connect to compatible soundbars and wireless speakers around your home in seconds. Listen to films in the kitchen. Play music anywhere. You can even create a home-cinema surround-sound system using your Ambilight TV as a central speaker.

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
Multi-view

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, 3840 x 2160p - 24/25/30/50/60/100/120/144 Hz

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, 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: 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

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 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, UHDA

EU Energy card

EPREL registration numbers: 1860385
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

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

Google TV

Memory size (Flash): 16 GB*
Pre-installed apps: Disney+, Apple TV, Netflix, YouTube, Amazon Prime video, Aurora, 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.
* Availability of Apple TV app and Apple TV+ may vary by country or region. Please check the Google Play and Apple Inc. support pages.
* 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.

Connections

Side

COMMON INTERFACE

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

DIGITAL AUDIO OUT

NETWORK

PHILIPS