

PHILIPS



4K Ambilight TV

OLED

106.7 cm (42") Ambilight TV

4K OLED. 144 Hz

P5 AI Intelligent

Dolby Vision and Atmos, DTS:X



42OLED901

The superb sound and vision experience

Immerse yourself in a compact, all-in-one OLED TV that captivates in any space. With powerful multi-channel frontal sound, a brilliantly lifelike picture and the immersive magic of Ambilight, every moment feels truly extraordinary.

Our superb all-in-one experience

- Immersive multi channel front sound with Dolby Atmos and DTS
- Total Gaming Solution. Thrilling play for every gamer
- Cinematic viewing for all you watch and play
- Entertainment you love, with a little help from Google

Your entertainment. Taken care of beautifully.

- Connect to smart home networks, voice assistants and more
- Eco design – European design thinking

4K OLED Ambilight TV. Beautifully immersive.

- Immerse yourself in what you love. Ambilight TV
- Bright OLED screen. Lifelike picture in any light
- Whatever you watch, a picture so real. P5 engine with AI

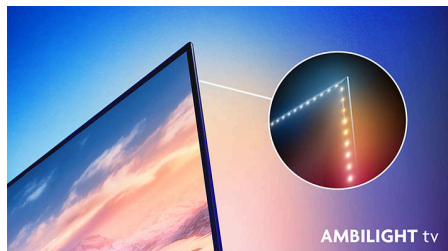
OLED

4K Ambilight TV

42OLED901/12

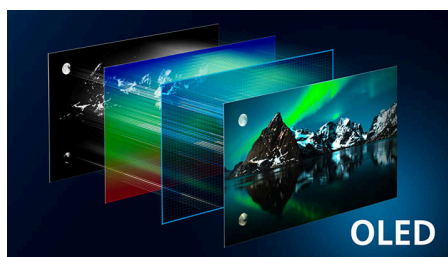
Highlights

Ambilight TV



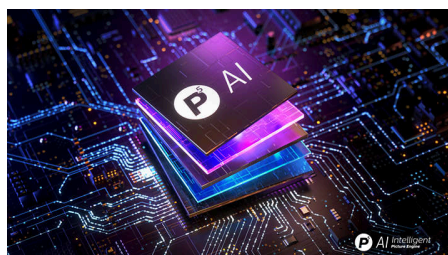
Ambilight TVs are the only TVs with integrated LED lights on the back that react to what you watch, immersing you in a halo of colourful light. This changes everything: your TV seems bigger, and you'll be drawn deeper into your favourite sports, films, music and games.

Bright OLED screen



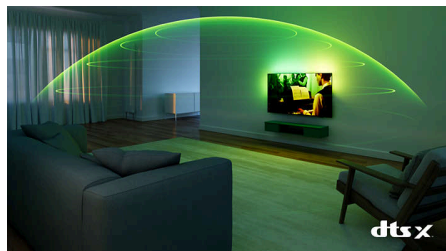
The lifelike picture of this bright OLED TV always looks superb, even if viewed at an angle. Any changes to ambient lighting in your room are automatically compensated for: whatever you're watching. Blacks look black (not grey) and even the smallest details will leap from the shadows and bright areas. All major HDR formats are supported.

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.

Cinematic viewing



Enjoy sound that fills your space from the front with multiple channels, enhanced by the spatial realism of object-based audio. With Dolby Atmos and DTS:X, voices, effects and ambiance move all around you, creating a cinematic, lifelike listening experience.

Total Gaming Solution



HDMI 2.1, 120 Hz native refresh rate and an ultra-low input lag. Indie game or AAA title, this Ambilight TV gives you the specs you need to game how you want! For more control, Game Bar 2.0 lets you customise how you play, and you can connect a Bluetooth controller for cloud gaming. PC gamers can also enjoy 144 Hz VRR via HDMI.

Cinematic viewing



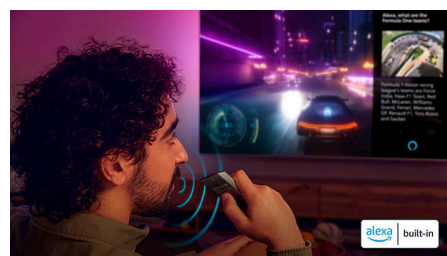
Hold onto the edge of your seat! With Dolby Vision on board, you'll see the picture the director wanted you to see, no more disappointing scenes that are too dark to make out! From movies to games, say hello to every glorious detail.

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.

Seamless control



Seamless Matter compatibility lets this 4K Ambilight TV blend effortlessly into your smart home. Use the Philips remote control to wake Google Assistant. Works with Alexa and supports Apple AirPlay.

Sustainable expertise

Sustainability meets style. This beautifully crafted TV is designed with the planet in mind, from a remote made of recycled plastics to FSC-certified packaging and inserts printed on recycled paper. Eco Mode lowers energy consumption across all content and settings in just one tap and a swivel stand offers flexible viewing.

AMBILIGHT tv



Specifications

Ambilight

Ambilight Features: Wall colour adaptive, Music Mode, Ambilight Suite, Game Mode, AmbiSleep, Ambilight FTI Animation

Ambilight Version: 3 sided

Picture/Display

Diagonal screen size (inch): 42 inch

Diagonal screen size (metric): 106.7 cm

Display: 4K Ultra HD OLED

Panel resolution: 3840 x 2160p

Native refresh rate: 120 Hz

Picture engine: P5 AI Perfect Picture Engine

Picture enhancement: Calman Autocal Ready and Manual Calibration, Crystal Clear, ECO, Film-maker mode, Game, Home Cinema, MEMC / FRC Embedded, Micro Dimming Perfect, Monitor, Personal, Perfect Natural Motion

Variable Refresh Rate: 144 Hz

Display input resolution

Resolution-Refresh rate: 576p - 50 Hz, 645 x 480 - 60 Hz, 720p - 50/60 Hz, 1920 x 1080p - 24/25/30/50/ 60/100/120/144 Hz, 2560 x 1440 - 60/120/144 Hz, 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

Signal strength indication

Teletext: 1000 page Hypertext

HEVC support

Smart TV

SmartTV apps*: Disney+, Apple TV, Netflix, YouTube, Amazon Prime Video, NFT app*

OS: Google TV™

Memory size (Flash)*: 32 GB

Smart TV Features

Interactive TV: HbbTV

Voice assistant*: RC with Mic., Hey Google, Works with Alexa

Smart Home experience: MATTER, Control4, Works with Apple Home

Gaming Control Bar: Gamebar 2.0

TTS support

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

Sound

Audio: 2.1 Channel

Output power (RMS): 50 Watt (RMS)

Speaker configuration: 10 W x 2+30 W

Codec: Dolby Atmos®, Dolby Digital, DTS:X

Sound Enhancement: A.I. EQ, AI mode, Clear Dialogue, Dialogue, Dolby Media Intelligence, Entertainment, Music, Spatial Music, Personal, Original, AVL Mode, Night mode

Headphone Features: Dolby Atmos for Headphone

Main Speaker: 2-Way B&W Mid + Tweeter

Woofer: Triple Ring Balance Quad PR

Specifications

Connectivity

Number of HDMI connections: 4

HDMI features: 4K, Audio Return Channel

EasyLink (HDMI-CEC): One touch play, Remote control pass-through, System standby, System audio control

Number of USBs: 2

Wireless connection: Wi-Fi 802.11ax, 2x2, Dual band, Bluetooth 5.2, Works with Apple AirPlay, Google Fast Pair

HDCP 2.3: Yes on all HDMI

HDMI ARC: Yes on HDMI2

HDMI 2.1 features: eARC/VRR/ALLM supported, eARC on HDMI 2, 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 144Hz

Gaming: AMD FreeSync Premium Pro, Nvidia G-Sync compatible, ALLM, Dolby Vision Game, HDMI VRR, HGiG

HDMI 3/4: HDMI 2.0

HDR: Dolby Vision, HDR10, HDR10+ Adaptive, HLG

EU Energy card

EPREL registration numbers: 2293800

Energy class for SDR: F

Energy class for HDR: G

Off mode power consumption: n.a

Networked standby mode: 2.0 W

Panel technology used: OLED

Power

Mains power: AC 100 – 240 V 50/60 Hz

Standby power consumption: less than 0.3 W

Power Saving Features: Auto switch-off timer, Eco mode, Light sensor, Picture mute (for radio)

Accessories

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

Design

Colours of TV: Metal bezel frame

Stand design: Metal satin chrome stand, Swivel +/- 15 degree

Dimensions

Distance between 2 stands: 400 mm

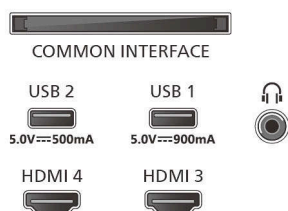
Wall-mount compatible: 300 x 300 mm



- * 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.
- * 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 2025 via a software update.
- * Apple, AirPlay, Apple Home, HomeKit and iOS are trademarks of Apple Inc., registered in the U.S. and other countries and regions. iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under licence.

Connections

Side



Down

