



4K Ambilight TV

- 121 cm (48") Ambilight TV
- P5 AI perfect picture engine
- Dolby Atmos sound
- Google TV™

48OLED808/12

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.

Benefits

[4K OLED Ambilight TV. Designed to mesmerise.](#)

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

[Extraordinary detail. Flexible sound.](#)

- Bring IMAX home. IMAX Enhanced certified.
- Cinematic vision and sound. Dolby Vision and Dolby Atmos.

- Philips Wireless Home System powered by DTS Play-Fi
- Supports all major HDR formats.

[Seamless in every way.](#)

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

Features

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

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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

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 Your Philips OLED TV lets you experience the full impact of films originally made to play in IMAX cinemas.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.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Ambilight

Ambilight Version	next generation 3 sided
Ambilight Features	Built-in Ambilight+hue Wall colour adaptive Lounge mode Game Mode Ambilight Music AmbiWakeUp AmbiSleep Philips Wireless Home Speakers [Compatible with Philips Wireless Home Speakers] Ambilight Aurora Ambilight Boot-Up Animation

Picture/Display

Display	4K Ultra HD OLED
Diagonal screen size (metric)	121 cm
Panel resolution	3840 x 2160

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.

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.

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.

AI voice control

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 HLG (Hybrid Log Gamma) A.I. PQ mode 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 1080 p - 24 Hz, 25 Hz, 30 Hz, 50 Hz, 60 Hz, 100 Hz, 120 Hz.
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	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.	HDMI ARC HDMI 2.1 features	Yes on HDMI2 eARC on HDMI 2 eARC/VRR/ALLM supported Max 48 Gbps data rate Yes on all HDMI
Android TV		HDCP 2.3 EasyLink (HDMI-CEC)	Remote control pass-through System audio control System standby One touch play
OS	Google TV™		HDMI-CEC for Philips TV/SB [Proprietary HDMI-CEC for Philips TV/SB]
Memory size (Flash)	16 GB*	EasyLink 2.0	External setting via TV UI [External soundbar setting via TV UI]
Pre-installed apps	Google Play Movies* Google Search YouTube Netflix Apple TV BBC iPlayer Amazon Prime Video Disney+ Fitness App YouTube Music	Other connections	Common Interface Plus (CI+) Ethernet-LAN RJ-45 Digital audio out (optical) Headphone out Service connector Satellite Connector
Gaming cloud	Geforce Now Stadia		
Processing		Supported HDMI video features	
Processing Power	Quad Core	Gaming	ALLM AMD FreeSync Premium Dolby Vision Game HDMI VRR HGiG Nvidia G-Sync compatible HDMI 2.1 full bandwidth 48 Gbps up to 4K 120 Hz
Smart TV Features		HDMI 1/2	HDMI 2.0 Dolby Vision HDR10 HDR10+ HDR10+ Adaptive HLG UHDA
Interactive TV	HbbTV	HDMI 3/4	
Remote Control	with Voice	HDR	
Voice assistant*	Google Assistant built in RC with Mic. Works with Alexa		
Tuner/Reception/Transmission		Multimedia Applications	
Digital TV	DVB-T/T2/T2-HD/C/S/S2	Video Playback Formats	Containers: AVI, MKV H264/MPEG-4 AVC MPEG-1 MPEG-2 MPEG-4 VP9 HEVC (H.265) AV1
TV Programme guide*	8-day Electronic Programme Guide	Subtitles Formats Support	.SMI .SRT .SSA .SUB .TXT .ASS
Signal strength indica- tion	Yes	Music Playback Formats	AAC MP3 WAV WMA (v2 up to v9.2) WMA-PRO (v9 and v10) FLAC
Teletext	1000 page Hypertext	Picture Playback Formats	JPEG BMP GIF PNG 360 photo HEIF
HEVC support	Yes		
Power		Design	
Mains power	AC 220 - 240 V 50/60 Hz	Colours of TV	Metal bezel frame
Standby power	<0.3 W	Stand design	Satin chrome EVO stand
Power Saving Features	Auto switch-off timer Picture mute (for radio) Eco mode Light sensor		
Sound		Dimensions	
Codec	AC-4 Dolby Atmos® Dolby Digital MS12 V2.6.1 DTS:X	Box width	1214.0 mm
Audio	2.1 Channel	Box height	800.0 mm
Speaker configuration	Output power: 70 Watt (RMS) 10 W x 4 mid-high speaker, 30 W sub-woofer	Box depth	150.0 mm
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	Set Width	1070.0 mm
Connectivity		Set Height	618.0 mm
Number of HDMI connections	4	Set Depth	68.0 mm
Number of USBs	3		
Wireless connection	Wi-Fi 802.11ac, 2 x 2, Dual band Bluetooth 5.0		
HDMI features	4K Audio Return Channel		

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Set width (with stand)	1070.0 mm
Set height (with stand)	684.0 mm
Set depth (with stand)	230.0 mm
Product weight	13.9 kg
Product weight (+stand)	17.3 kg
Weight incl. Packaging	20.9 kg
Wall-mount compatible	300 x 300 mm
Stand width	450.0 mm
Stand depth	230.0 mm
Stand height	70.0 mm
Stand height to TV bottom edge	70.0 mm

Accessories

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

EU Energy card

EPREL registration numbers	tbc
Energy class for SDR	n.a.
On mode power demand for SDR	tbc kWh/1000h
Energy class for HDR	n.a.
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

* EPG and actual visibility (up to 8 days) is country- and operator-dependent.

* Android App offerings vary per country. For more details please visit your local Google Play Store.

* 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 per TV model, operator and country, as well as smart device model and OS. For more details please visit: www.philips.com/TVRemoteapp.

* USB recording for digital channels only, recordings may be limited by broadcast copy protection (CI+). Country and channel restrictions may apply.

* 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.

* Memory size (Flash): 16 G, the actual available disc space may differ (dependant on e.g. (pre-)installed apps, installed operating system, etc.)

* 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.

* 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.

* Netflix subscription required. Subject to terms on <https://www.netflix.com>

* Rakuten TV is available in selected languages and countries.

* Philips OLED TV panels have been certified as flicker-free and discomfort glare free by UL.

* 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.



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