



Loewe **leo**

Wireless ANC headphone

Highest quality of drivers and amps for an exceptional audiophile sound experience

Adaptive Noise Cancelling (ANC) system with situational response

Support of major audio codecs including Hi-Res Audio, Dolby Atmos and Spatial Audio

Latest Bluetooth technology with BLE and support for multi device pairing

Sophisticated AI features with personal voice assistant and real time translation

Intuitive user interface with action wheels for most easy operation

Highest wearing comfort with modular exchangeable ear cushions and headband

LOEWE. was found by the Loewe brothers as Radio Frequenz GmbH in Berlin in 1923.
Today we still design, develop and produce consumer electronics – Made in Germany.

Data sheet (preliminary)
Loewe **leo**
May 2025

LOEWE.
Home of Excellence.

www.loewe.tv





Technical data	
Loewe headphone	
leo	
Audio (acoustic)	
Frequency range (ca. Hz) @ ±3 dB	20-20.000
Orientation front / side / up / rear firing	over-ear
Acoustic speaker concept	vented headphone
Channel configuration	2.0 (stereo)
Driver total amount	2
Driver active	2 (50 mm)
Audio (electric)	
Frequency range (ca. Hz) @ ±1 dB	20-20.000
Class-D amp	TI OPA1622 SoundPlus™ operational amp, low THD+N, bipolar input
Power (ca. watts sine / music)	tba
Total harmonic distortion ca. @ 1 watt /10 watts	tba
Dynamic range / Signal to noise ratio (ca. dB)	tba
Bass and treble control	o (via app)
General features and interfaces	
Display technology	● (status LED 3 colour)
my Loewe app / smart apps (all: Android + iOS)	● / ●
Voice control by Alexa Skills	● integrated
Software update (via USB / Internet)	● via BT / via app
USB / USB music player	● / ● (USB audio device)
Bluetooth / Bluetooth music player	● / ●
Hi-Res Audio	●
Microphone	● 5 (hands-free phone, ANC)
Analogue audio jack in (3,5 mm stereo)	● (via USB to 3,5mm adapter)
Headphone specific features	
ANC / Transparency Mode / adaptive Mode	● / ● / ●
AI based features	o (supported by BRAGI, account required)
Carrying bag	●
Replacable battery	o (via service)
Replacable ear cushions / ear pieces	●
Voice assistant	●
Apple MFi certified	●
Configurable action buttons	●
Network and formats	
Bluetooth standard	5.3
Bluetooth power (mW)	tba
Bluetooth frequency range	tba
Bluetooth protocols	tba
Mobility	
Battery type	3,7V / 660mAh
Playing time (ca.)	up to 75h (ANC off)
Charging time	typ. 2h
Charging current	660mA
Charging power minimum request	5W
Charging power for max.speed	3,75W
Ambient temperature while in operation	0-40° C
Relative humidity (non-condensing)	20-70%
Dimensions	
Weight (ca. kg)	tba
W x H x D (ca. cm)	min.: 19 x 19 x 4,5 / mid.: 18,5 x 15 x 8,5 / max.: tba
Scope of Delivery	
Manual	● (quick start guide) / USB-C cable
Others	carrying bag, hard case, cable pocket, USB adapter (C > AUX)
Optional accessories	
Loewe leo accessories kits	moonlight beige / midnight blue / horizon bronze

● = available, o = optional, — = not available

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