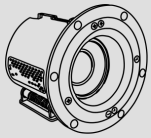
Starlet

SOL



KamoGa
Karaoke | Movie | Gaming

TECHNICAL DATASHEET ISSUE 11.2026

Product overview

Starlet Sol is the smallest possible in-ceiling karaoke speaker. A single tilted 2" full-range driver sits behind a machined circular throat in an aluminium housing just 104 mm across, so a full KamoGa 7.1 system becomes seven small circles in the ceiling.

With 20 W rated power (40 W peak), 88 dB sensitivity and a 300 Hz – 20 kHz response at 4 Ω, Sol hands the low end to the KamoGa bass module. Its paintable grille makes it the natural choice for living rooms, bedrooms, media rooms and yacht cabins where the ceiling should stay clean.



With grille · grille off, showing the tilted driver

Key features

The smallest possible in-ceiling karaoke speaker – A Ø87 mm cut-out and a Ø104 × 74 mm body, so seven of them read as small circles in the ceiling.

Tilted 2" driver – One full-range driver is tilted inside the housing, aimed at the listening position or angled to bounce off the walls.

Machined circular throat – A precision-machined throat in front of the driver guides the sound towards the sweet spot.

Aluminium housing – A machined aluminium body that stays mechanically quiet, with a steel back can.

Paint it to match – The perforated white grille can be painted any colour and is held by retention magnets, so the speaker reads as part of the ceiling.

Simple installation – False-ceiling clamp screws and clips, with red (+) / black (–) speaker binding posts.

Part of a KamoGa system – KamoGa 7.1 SS pairs seven Starlet Sol speakers with the bass module and main module, with no sound calibration needed after installation.

Architect & engineer specifications

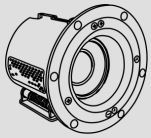
The loudspeaker shall be an in-ceiling loudspeaker with one tilted 2" full-range drive unit behind a machined circular throat, in an aluminium housing with a steel back can.

It shall have a frequency response of 300 Hz – 20 kHz, a sensitivity of 88 dB ±2 dB (1 W / 1 m), a rated power of 20 W (40 W peak) and a nominal impedance of 4 Ω.

The outer diameter shall be 104 mm and the depth 74 mm, for a Ø87 mm cut-out. The perforated grille shall be white, paintable and magnetically retained. Net weight shall not exceed 400 g.

The loudspeaker shall be the KamoGa Starlet Sol.

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Specifications

Model	Starlet Sol
Type	In-ceiling speaker
Drive unit	1 × 2" full range, tilted
Nominal impedance	4 Ω
Frequency response	300 Hz – 20 kHz
Sensitivity (1 W / 1 m)	88 dB ±2 dB
Rated / peak power	20 W / 40 W
Dispersion	45°
Housing	Machined aluminium, circular throat, steel back can
Grille	Perforated, white, paintable, magnetic retention
Dimensions	Ø104 × 74 mm
Cut-out	Ø87 mm
Mounting	Ceiling, false-ceiling clamp screws and clips
Connection	Speaker binding posts, red (+) / black (–)
Net weight	400 g per piece
Compatible systems	KamoGa 7.1 SS, and 3.1, 5.1, 5.1 Wireless and 7.1 systems

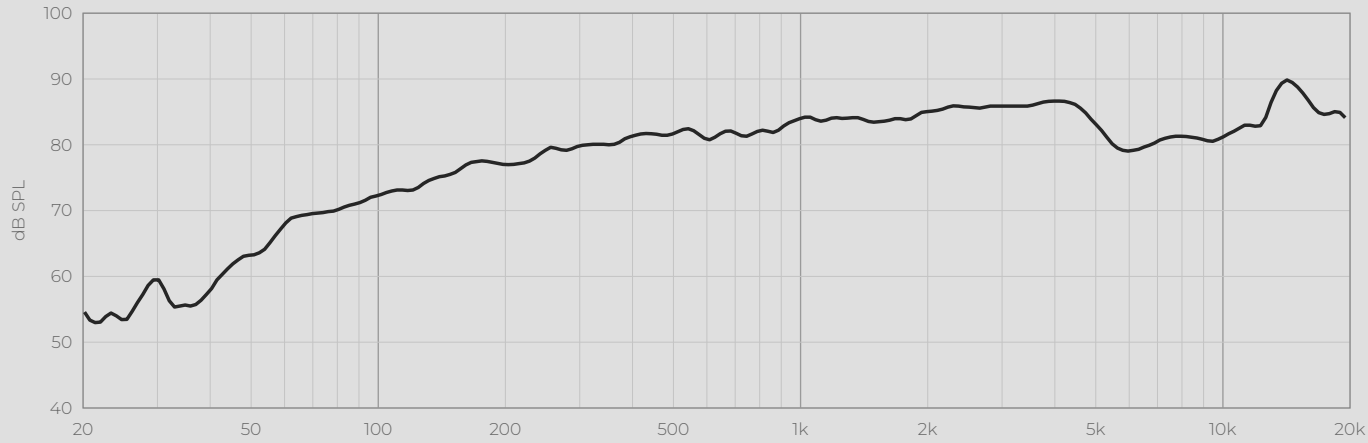
Drive unit (1 per speaker)

Type	2" full range
Frame diameter / depth	57 mm / 35.9 mm
Nominal impedance	4 Ω
Resonance frequency (Fs)	119.7 Hz
DC resistance (Re)	3.59 Ω
Total Q (Qts)	0.30
Sensitivity (1 W / 1 m)	84.4 dB

Drive-unit data measured with a Klippel analyser (manufacturer's report, 2024). Starlet Sol uses the same 2" drive unit as Starlet Eclipse.
KamoGa reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.

Drive unit

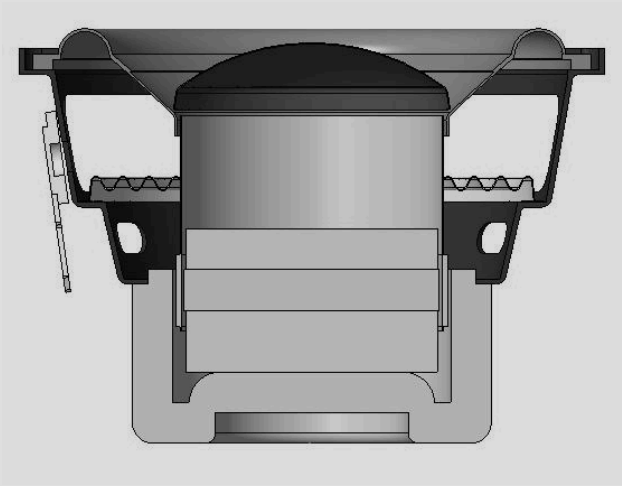
Frequency response



Measured · drive unit · 2π baffle · 1 W / 1 m

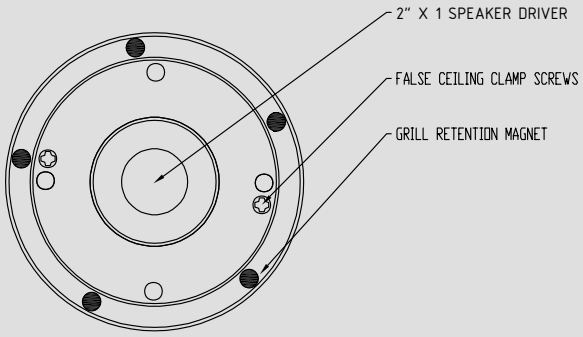
PARAMETER		VALUE
Fs	Resonance frequency	119.7 Hz
Re	DC resistance	3.59 Ω
Le	Voice coil inductance	0.122 mH
Mms	Moving mass	2.018 g
Cms	Compliance	0.877 mm/N
Bl	Force factor	4.165 T·m
Rms	Mechanical resistance	0.226 kg/s
Qms	Mechanical Q	6.714
Qes	Electrical Q	0.314
Qts	Total Q	0.30
Vas	Equivalent air volume	0.313 L
Sd	Effective piston area	15.89 cm²
SPL	Reference efficiency (Re)	84.36 dB

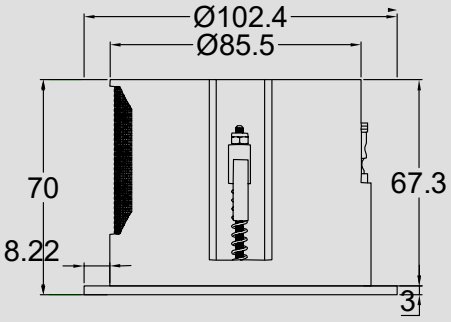
Thiele/Small parameters, Klippel analyser

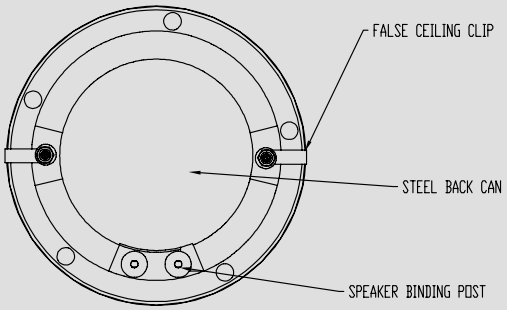


Drive-unit cross-section · 57 mm frame, 35.9 mm deep

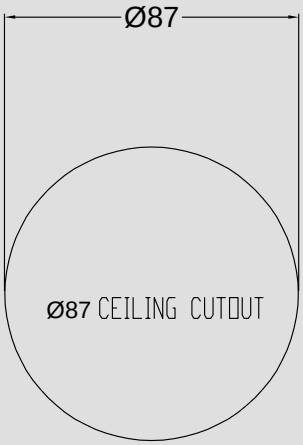
Mechanical diagrams

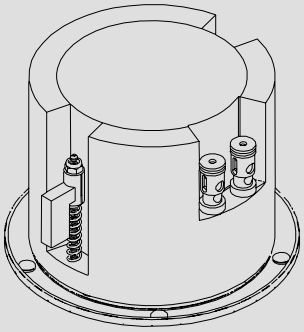




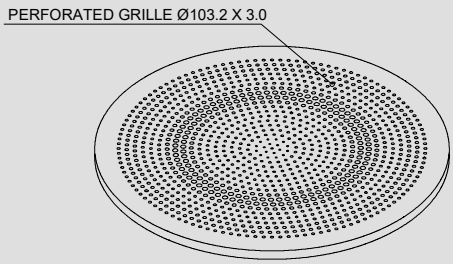


SPK REAR





ISOMETRIC VIEW (REF)



GRILLE - ISOMETRIC VIEW

Dimensions in mm