

**Illuminator
4" Midrange**



Type Number: 12MU/4731T00

Features:

The Illuminator midranges are based on compact under-hung motor systems with large neodymium ring magnets. The patent pending motor offers a very long linear excursion together with a very high force factor. The top plate is shaped to "guide" the backside airflow around the motor and with the very open cast aluminum chassis design the driver is virtually free from compression.



Driver Highlights: Neo magnet, Under hung motor system

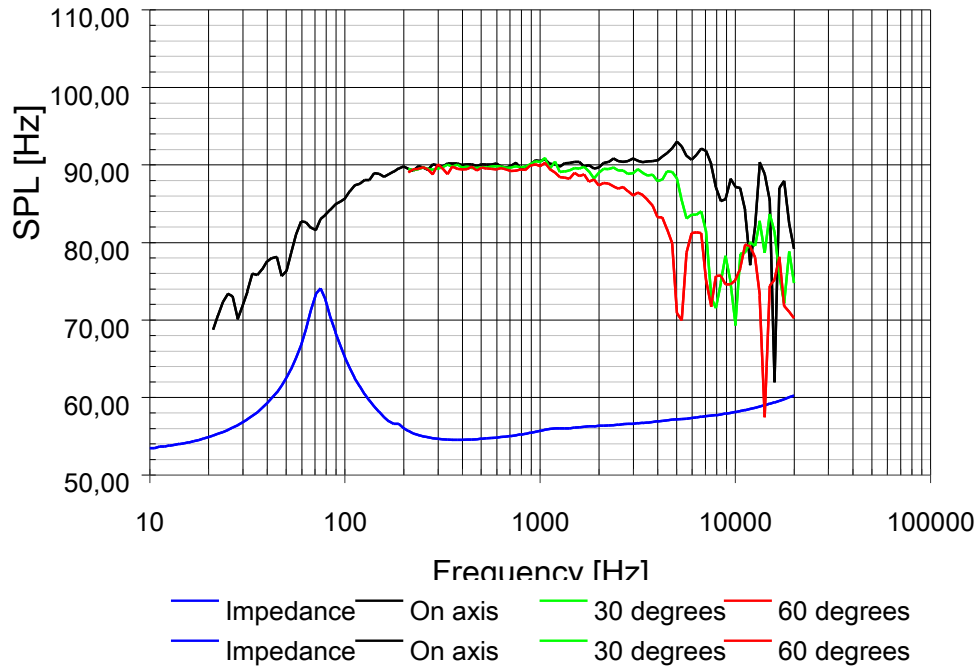
Specs:

Electrical Data				Power Handling			
Nominal impedance	Zn	4	ohm	100h RMS noise test (IEC)	80	W	
Minimum impedance	Zmin	4,3 / 376	ohm	Long-term Max Power (IEC18.3)	150	W	
Maximum impedance	Zo	40,4	ohm	Max linear SPL (rms) @ power		dB/W	
DC resistance	Re	3,1	ohm	Short-term Max Power (IEC18.2)		W	
Voice coil inductance	Le	0,11	mH				
T-S Parameters				Voice Coil and Magnet Parametres			
Resonance Frequency	fs	64,0	Hz	Voice coil diameter	32,0	mm	
Mechanical Q factor	Qms	3,64		Voice coil height	6,0	mm	
Electrical Q factor	Qes	0,26		Voice coil layers	4		
Total Q factor	Qts	0,24		Height of gap	13,0	mm	
Force factor	Bl	5,14	Tm	Linear excursion +/-	3,5	mm	
Mechanical resistance	Rms	0,61	Kg/s	Max mech. Excursion +/-	10,0	mm	
Moving mass	Mms	5,4	g	Flux density of gap		mWb	
Suspension compliance	Cms	1,14	mm/N	Total useful flux		mWb	
Effective cone diameter	D		cm	Diameter of magnet	72,0	mm	
Effective piston area	Sd	58	cm ²	Height of magnet	5,0	mm	
Equivalent volume	Vas	5,4	ltrs	Weight of magnet	0,1	Kg	
Sensitivity (2.83V/1m)		90,0	dB	Unit net weight	0,8	Kg	
Ratio BL/√(Re)							
Ratio fs/Qts	F						

Notes:

IEC Specs refer to IEC 60268.5 third edition.
All Scan Speak products are RoHS compliant
U.S. Patent Des. 591,268

Frequency:



Mechanical Dimentions:

