

# CEILING SPEAKER CALCULATOR WORKSHEET (metric)

## STEP 1: Determine the Number of Ceiling Speakers

Calculate Separately for Each Room and each ceiling height

CALCULATIONS	
<b>START CALCULATIONS HERE</b> →	Square Meters of Room: <input type="text"/>
	Divide by Coverage Per Speaker (from Speaker Coverage Chart below): <input type="text"/>
	<b>= Quantity of Speakers:</b> <input type="text"/> ← <b>FINAL RESULTS</b>

Speaker Coverage Chart									
Ceiling Height ↓	CONTROL 24C (or 24CT) <u>Micro</u>			CONTROL 24C (or 24CT)			CONTROL 26C (or 26CT)		
	Square Meters Per Speaker			Square Meters Per Speaker			Square Meters Per Speaker		
	Cost Effective	Typical/ Recommended	Excellent coverage	Cost Effective	Typical/ Recommended	Excellent coverage	Cost Effective	Typical/ Recommended	Excellent coverage
	(7 dB variation) Coverage (sq meters)	(4.5 dB variation) <b>Coverage</b> (sq meters)	(2 dB variation) Coverage (sq meters)	(7 dB variation) Coverage (sq meters)	(4.5 dB variation) <b>Coverage</b> (sq meters)	(2 dB variation) Coverage (sq meters)	(7 dB variation) Coverage (sq meters)	(4.5 dB variation) <b>Coverage</b> (sq meters)	(2 dB variation) Coverage (sq meters)
2.5 m	28.8 sq m	14.4 sq m	7.2 sq m	18.0 sq m	9.0 sq m	4.5 sq m	14.6 sq m	7.3 sq m	3.7 sq m
3.0 m	56.2 sq m	28.1 sq m	14.1 sq m	35.2 sq m	17.6 sq m	8.8 sq m	28.8 sq m	14.4 sq m	7.2 sq m
3.5 m	92.4 sq m	46.2 sq m	23.1 sq m	56.2 sq m	28.1 sq m	14.1 sq m	46.0 sq m	23.0 sq m	11.5 sq m
4.0 m	<i>not rec.</i>	67.2 sq m	33.6 sq m	118.6 sq m	59.3 sq m	29.7 sq m	69.6 sq m	34.8 sq m	17.4 sq m
4.5 m	<i>not recommended</i>			<i>not rec.</i>	79.2 sq m	39.6 sq m	98.0 sq m	49.0 sq m	24.5 sq m
5.0 m	<i>not recommended</i>			<i>not recommended</i>			128.0 sq m	64.0 sq m	32.0 sq m
5.5 m	<i>not recommended</i>			<i>not recommended</i>			165.6 sq m	82.8 sq m	41.4 sq m
6.0 m	<i>not recommended</i>			<i>not recommended</i>			208.0 sq m	104.0 sq m	52.0 sq m
6.5 m	<i>not recommended</i>			<i>not recommended</i>			250.8 sq m	125.4 sq m	62.7 sq m
7.0 m	<i>not recommended</i>			<i>not recommended</i>			302.6 sq m	151.3 sq m	75.7 sq m
	Use this model for applications or locations where <b>low sound level</b> is acceptable. May require subwoofers for full fidelity music.			Use this model for <b>medium sound levels</b> . Add subwoofers for increased bass and for maximum fidelity at medium-to-high sound levels.			Use this model for <b>medium-to-high sound levels</b> or for <b>high ceilings</b> . Add subwoofers for applications requiring very strong bass.		