

LCi Series

polkaudio
the speaker specialists®

In-Walls Ain't Just For Background Music Anymore!

Polk Audio's ultra high performance LCi Series In-Wall/In-Ceiling Loudspeakers are the ultimate flush-mount loudspeakers.

LCi Series In-Wall/In-Ceiling Loudspeakers feature Ring Radiator Tweeters for unprecedented detail and accuracy, as well as a host of exclusive Polk Audio technologies. Dynamic Balance composite cones for realistic, low distortion sound; Power Port bass venting (The LC65i and LC265i are the first in-wall speakers to feature patented PowerPort Venting Technology) plus rigid Casket Basket® design for thrilling, surprisingly deep bass response.

For the first time ever, you can create a mix and match high performance sound system with "invisible" LCi Series In-Wall/In-Ceiling Loudspeakers and Polk Audio's high end LSi Speakers. Or, accomplish something totally new: install a complete "stealth" high-end home theater system! You can only get this level of performance with the new Polk Audio LCi Ultra High Performance In-Wall/In-Ceiling Loudspeakers.



LCi Series Specifications

	LC60i	LC80i	LC65i	LC265i
Freq. Response	30Hz-27kHz	30Hz-27kHz	30Hz-27kHz	28Hz-27kHz
Freq. Response -3dB Limit	45Hz-26kHz	45Hz-26kHz	45Hz-26kHz	43Hz-26kHz
Recommended Power	10-125wrms	10-125wrms	10-125wrms	10-200wrms
Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Efficiency (dB 1w/1m)	90dB	90dB	90dB	91dB
Drive Unit Mid-Bass	1-6.5" (16.5cm) aerated polypropylene cone, rubber surround	1-8" (20.3cm) mineral filled polypropylene cone rubber surround	1-6.5" (16.5cm) aerated polypropylene cone rubber suspension	1-6.5" (16.5cm) aerated polypropylene cone rubber surround 1-6.5" (16.5cm) mineral filled polypropylene cone rubber surround
Tweeter	1" (2.5cm) ring radiator in swivel mount	1" (2.5cm) ring radiator in swivel mount	1" (2.5cm) ring radiator in swivel mount	1" (2.5cm) ring radiator in swivel mount
Outside Dimensions	9 ⁵ / ₁₆ " (23.65cm)	10 ³ / ₄ " (27.15cm)	8 ¹ / ₂ " x 14 ⁵ / ₁₆ " 21.59cm x 36.35cm	8 ¹ / ₂ " x 20 ⁷ / ₈ " 21.59cm x 53.04cm
Cutout Dimensions	8 ³ / ₁₆ " (20.65cm)	9 ⁷ / ₁₆ " (23.83cm)	7 ¹ / ₄ " x 12 ³ / ₄ " 18.42cm x 32.39cm	7 ¹ / ₄ " x 19 ¹ / ₄ " 18.42cm x 48.90cm
Mounting Depth with 1/2" drywall	3 ¹⁵ / ₁₆ " (9.86cm)	4 ¹ / ₂ " (11.43cm)	2 ³ / ₄ " (6.99cm)	2 ³ / ₄ " (6.99cm)
Shipping Weight	10LBS (4.54kg)/pair	11LBS (4.99kg)/pair	11LBS (4.99kg)/pair	11LBS (4.99kg)/each

LCi Series

Ultra High Performance
In-Wall/In-Ceiling Loudspeakers

Superior Sound From Speakers You Can Barely See.

Imagine a superior audio system that's completely "invisible." No big box speakers, no cluttered floor space lost to tower loudspeakers, yet absolutely nothing sacrificed when it comes to all out, high-end audio thrills and chills. Now, the "invisible" is possible, with Polk Audio LCi Ultra High Performance In-Wall/In-Ceiling Loudspeakers. LCi Ultra High Performance In-Wall/In-Ceiling Loudspeakers boast the same performance, using the same driver technologies as Polk Audio's award winning high-end LSi Series Loudspeakers. Use them as stereo pairs, create a mix and match multi-channel system with LSi Speakers, or achieve the ultimate in "stealth" high-end home theater entertainment!

- The LC65i and LC265i are the first in-wall speakers to feature the patented **Power Port** bass venting system for superior bass response with low distortion.
- Available **Performance Enclosures** deliver consistent room-to-room performance.
- Round models feature 15° Driver Offset for better midrange clarity and imaging anywhere in the room.
- **Ring Radiator** tweeters (the same tweeters used in the LSi Series) for smooth, extended highs with incredible accuracy and astonishing detail.
- Timbre-matched to Polk Audio's LSi Series Ultra High Performance Loudspeakers.
- **Foamed Polypropylene Dynamic Balance™ Cones:** stiff and yet surprisingly lightweight—20% lighter than conventional polypropylene and 35% lighter than aluminum cones for spectacular midrange clarity, punchy bass and high efficiency.
- **Casket Basket®:** composite driver baskets keep moving parts in rigid alignment and damps performance-robbing resonance.



LCi265 (above)
& LCi80 (left).

More control, better sound.

Conveniently accessible front panel controls let you tailor LCi performance to the specific requirements of your room. Whether you need to compensate for reflective surfaces, or allow for better off-axis response, these unique controls help you get the best possible audio performance.

Wall Distance Toggle

If position limitations demand that in-wall loudspeakers be installed closer than 2' (<2') from side walls, the proximity of the surface can result in a response "bump" between 50 and 200Hz (Fig.1). This can result in "boomy" sound. The LCi Wall Distance Toggle Switch adjusts the crossover to flatten response and tune out "boominess" without sacrificing deep bass response (Fig. 2), for more lifelike sound, and for more flexible placement.

-3dB Tweeter Attenuation

Smooth walls, glass windows and luxurious hardwood floors furnished with modern metallic furniture. Does that describe your listening room? Reflective surfaces like these can make sound "brighter" and cause image distortion. Engaging the LCi Tweeter Attenuation feature (by selecting the "Cut" setting) lowers the tweeter level (Fig. 3) to compensate for the effect of reflective surfaces for warmer, more realistic sound.

Off-Axis Targeting

Round LCi models feature a 15° Driver Offset (Fig. 4) for better midrange clarity and imaging. It's easy to forget, once they're installed, that this offset drive unit influences directionality. Sitting directly under an in-ceiling LCi, or outside of its 15° line of aim, is "off-axis"! To compensate for off-axis listening situations, the round model LCi

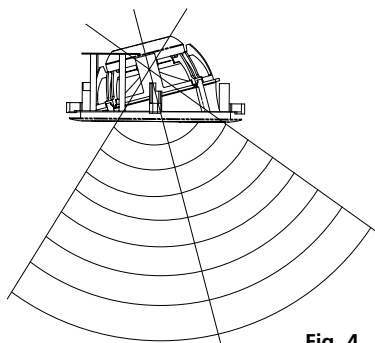


Fig. 4

Loudspeakers feature an innovative Off-Axis Targeting Switch. Engaging this function boosts the highest frequencies, improving off-axis imaging and filling the room with well-rounded, high performance sound. With LCi's (Fig. 5) Off-Axis Targeting feature, no one is "off-axis."

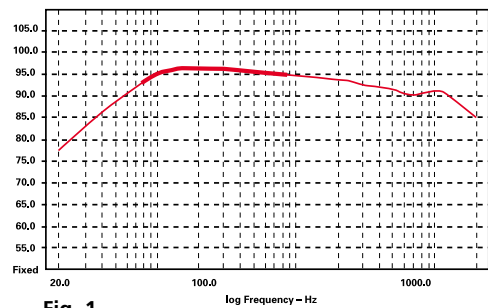


Fig. 1
Close-to-corner placement can cause elevated mid-bass for bloated, boomy response.

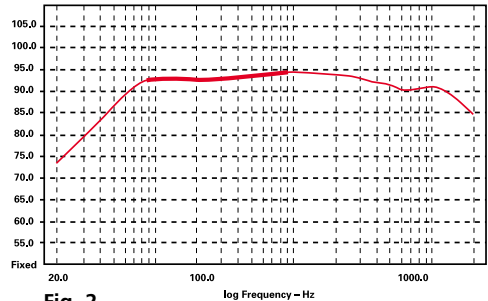


Fig. 2
Polk's Wall Distance Circuit filters out mid bass bloat while maintaining deep bass response.

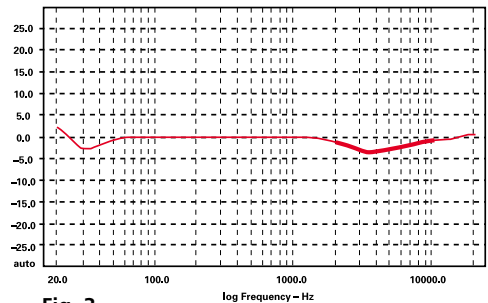


Fig. 3
Polk's tweeter attenuation switch lowers upper midrange "glare" without sacrificing top octave "air."

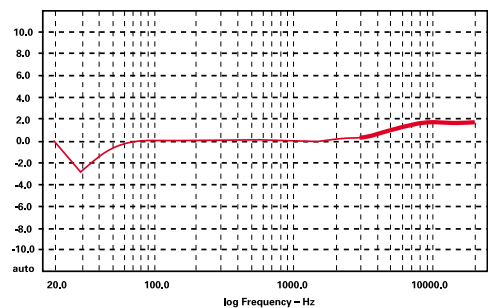


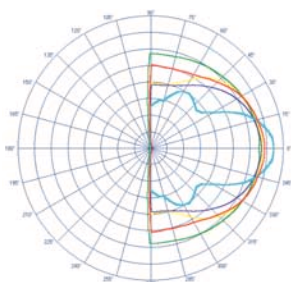
Fig. 5
Polk's Off-Axis Targeting switch selectively boosts high frequency output so off-axis listeners hear balanced sound output.

Polar Pattern (Dispersion) Graphs

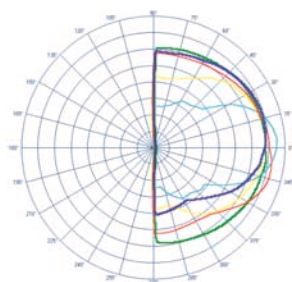
16 kHz

8 kHz

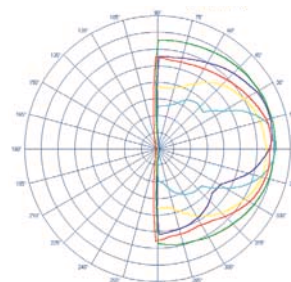
4 kHz



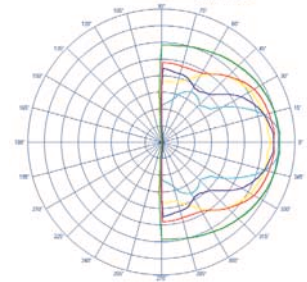
LC60i Vertical



LC60i Horizontal



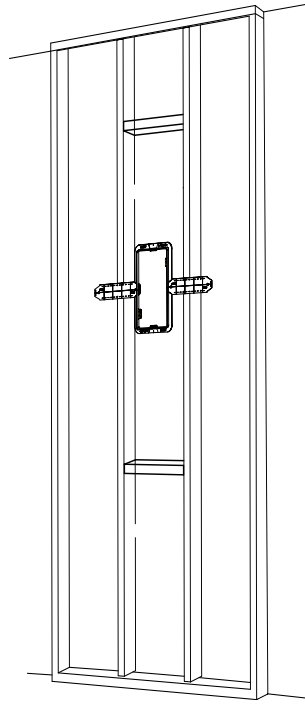
LC80i Vertical



LC80i Horizontal



Best Sound
Performance Enclosures



Better Sound
Home-Made Enclosure

No-Trade-Off Performance

Now there is no reason to trade off performance for the sake of flush mount invisibility. The advanced technologies of Polk's LCi Series means you never have to make that trade off again.

Best Sound

Available Performance Enclosures offer the best possible sound quality with pre-construction and major renovation installations. They are perfect volume cabinets that provide LCi speakers with the ideal volume and internal damping material for optimum bass performance. They are constructed of rigid MDF and extensively braced to ensure that all of the speaker's energy works to produce tight, clean, low distortion bass. Polk provides brackets, gaskets and all the hardware you need to do a quick and rattle-free installation.

LCi Performance Enclosures guarantee the most consistent, dynamic, full-spectrum sound with superior bass extension. As an added bonus, homeowners will enjoy superior room-to-room sound isolation.

Better Sound

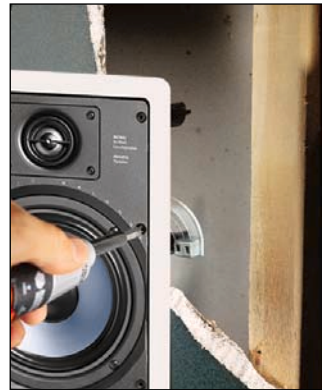
When you can't install a Performance Enclosure but want to get better bass, install fire breaks above and below the speaker position to make an ideal-volume enclosure. Just follow the chart at left to determine break locations. And of course we offer Pre-construction Brackets to locate the speaker and tie off wire before the drywallers move in. You can order LCi Pre-Construction Brackets by contacting Polk Audio's Sales Department 800-638-7276.

Fire Break Distance for 16" Center-to-Center Stud Wall Construction

	LC65i & LC265i	LC60i & LC80i
Ideal Cavity Volume	1 cubic ft. (0.03 cubic meters)	1.4 cubic ft. (0.04 cubic meters)
2" x 4" studs	34"	n/a
2" x 6" studs	21"	30"
2" x 8" studs	n/a	22"
2" x 10" studs	n/a	18"
2" x 12" studs	n/a	15"

Good Sound

Installing LCi In-Wall/In-Ceiling Loudspeakers in existing walls is easy as 1-2-3: cut one hole, feed the wires, and simply drop the speaker in. Polk Audio's unique Rotating Cams secure the speaker safely and securely with no extra assembly or mess. LCi In-Wall/In-Ceiling Loudspeakers are designed to outperform any other in-wall/in-ceiling speaker, even when they're simply dropped into the wall!

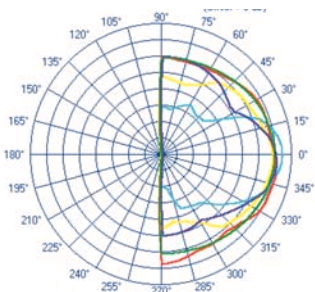


Rotating Cams

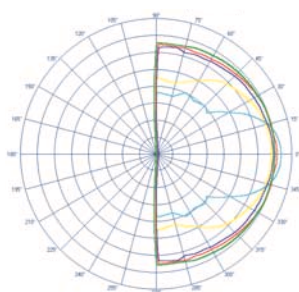
4 kHz

2 kHz

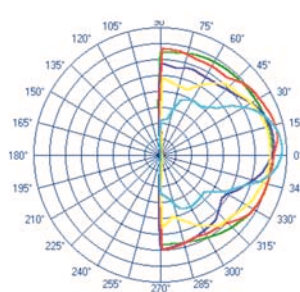
1 kHz



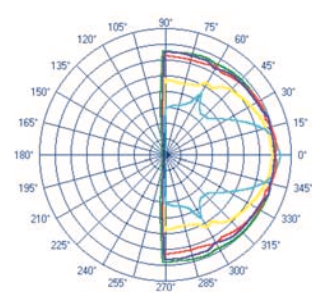
LC65i Vertical



LC65i Horizontal



LC265i Vertical



LC265i Horizontal