

More Advanced, More Invisible Nearly Flush-Fit In-Walls For The Ultimate In Architectural Style Audio

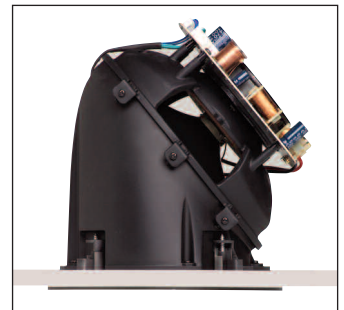
The highest performance Polk Audio in-wall loudspeakers are now even more invisible with magnetically-secured, minimal flange, Sheer-Grilles™ for completely stealth high-end audio installations. All new drive units, crossovers and improved PowerPort[®] in many models update the performance to even higher standards. All you hear is great sound. All you see is...your paint color.

Features

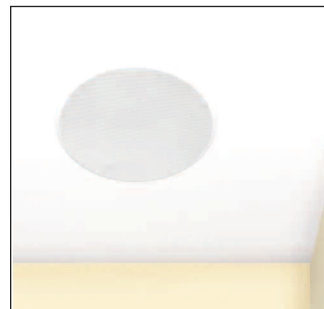
- Patent Pending Acoustic Design**—full range performance from a smaller diameter speaker, the Cassini oval woofer is mounted on a diagonal to the enclosure. This allows the three active drive units to fit into a smaller cutout size, achieving bass performance equivalent to ceiling speakers that are at least one increment larger in diameter. The result is better performance with less visibility.
- Broad Coverage 3-Way Design.** The woofer is mounted diagonally to the rear of the enclosure and the mid and high frequency drive units are mounted to the front baffle. The midrange drivers are ideally sized at 2 1/2" and 3 1/2" depending on model and the tweeters are all 3/4" ring radiators or silk domes. Since they are dedicated to only reproduce mid and high ranges, they inherently offer more even frequency response as you move to one side or the other of the speaker, or sit off axis in a home theater environment. The benefit is even off axis listeners hear all of the music and dialogue.
- The Vanishing LS Series Timbre Matches LSi Freestanding Models And The Vanishing RT Series Timbre Matches RTi Freestanding Models.** Install these for surround channels with complete confidence that you'll get a seamless home theater performance.
- 15° Angled Baffles** allow you to direct the mids and highs for the particular application simply rotate the speaker in the desired direction and tighten down the rotating cams.
- Bandpass Dual Port Design In All Models.** Bandpass designs are renowned for higher efficiency. Combining this acoustic design with the angled woofer geometry creates bass speed and output unheard of in speakers of this cutout size.
- Tweeter Level Switch** doesn't merely reduce the high frequencies (like other in-walls); a sophisticated "notch filter" allows you to reduce the frequency range from 3500 Hz-6000 Hz by 3 dB where reflective room acoustics and some recordings can be harsh sounding. We leave intact the last octave over 10 kHz where the nuance and emotion of the music and movies are conveyed.
- Wall Distance Toggle Switch** (265-LS, 65-LS, 265-RT & 65-RT) provides maximum placement flexibility without performance loss by tailoring the frequency response for an installation placement near a corner or adjacent wall. Like the tweeter level switch, a sophisticated "notch filter" reduced the range from 80 Hz-150 Hz by 3 dB in the mid-bass where adjacent wall or ceiling reflections can add "boominess."



Mounting Detail
(flush-fit in-ceiling)



Mounting Detail
(mounted in-ceiling)



Sheer-Grille



900-LS



90-RT

Specifications

LS Models	900-LS	700-LS	500-LS
Shape	round	round	round
Driver Complement	3/4" ring radiator tweeter 3 1/4" APP mid-range driver 6" x 9" mineral filled polypropylene woofer	3/4" ring radiator tweeter 2 1/2" APP mid-range driver 5" x 7" mineral filled polypropylene woofer	3/4" ring radiator tweeter 2 1/2" APP mid-range driver 4" x 6" mineral filled polypropylene woofer
Overall Frequency Response	28 Hz - 27 kHz	32 Hz - 27 kHz	35 Hz - 27 kHz
Lower/Upper -3 dB limit	40 Hz - 26 kHz	45 Hz - 26 kHz	48 Hz - 26 kHz
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms
Recommended Amp Power	10 - 150 W/channel	10 - 150 W/channel	10 - 125 W/channel
Efficiency	90 dB	90 dB	89 dB
Dimensions	9 5/8" Diameter x 9 1/2" D (24.45 cm x 24.13 cm)	8 1/8" Diameter x 8 1/2" D (20.64 cm x 21.59 cm)	7 3/4" Diameter x 8 5/8" D (19.69 cm x 21.91 cm)
Cutout Diameter	8 3/16" (20.8 cm)	6 1/2" (16.51 cm)	6" (15.24 cm)
Mounting Depth (1/2" drywall)	9" (22.86 cm)	8" (20.32 cm)	8 1/8" (20.64 cm)
Warranty	lifetime warranty	lifetime warranty	lifetime warranty

RT Models	90-RT	70-RT	50-RT
Shape	round	round	round
Driver Complement	3/4" silk/polymer tweeter 3 1/4" mineral filled polypro. mid-range driver 6" x 9" mineral filled polypropylene woofer	3/4" silk/polymer tweeter 2 1/2" mineral filled polypro. mid-range driver 5" x 7" mineral filled polypropylene woofer	3/4" silk/polymer tweeter 2 1/2" mineral filled polypro. mid-range driver 4" x 6" mineral filled polypropylene woofer
Overall Frequency Response	30 Hz - 27 kHz	34 Hz - 27 kHz	35 Hz - 27 kHz
Lower/Upper -3 dB limit	43 Hz - 25 kHz	48 Hz - 25 kHz	52 Hz - 28 kHz
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms
Recommended Amp Power	10 - 125 W/channel	10 - 125 W/channel	10 - 100 W/channel
Efficiency	90 dB	90 dB	89 dB
Dimensions	9 5/8" Diameter x 9 1/2" D (24.45 cm x 24.13 cm)	8 1/8" Diameter x 8 1/2" D (20.64 cm x 21.59 cm)	7 3/4" Diameter x 8 5/8" D (19.69 cm x 21.91 cm)
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Specifications, dimensions and features subject to change without notice. For more information call us at 1-800-377-7655 (USA and Canada). Outside of North America call +1 (410) 358-3600.