

# Cutsheet for LCi-RTS105/LCi-RTS100



## High Performance In-Wall Reference Theater Speakers

LCi-RTS speakers feature an integrated “perfect volume” performance enclosure to ensure superb performance every time. Because the performance enclosure is the same size as the cutout, the speakers install easily in a post construction project. An available Stud-Lock Mounting System™ (sold separately) creates a rigid platform increasing bass performance, clarity and reducing unwanted structure borne vibration. The LCi-RTS105 and the LCi-RTS100 are THX® Ultra 2-certified, so you’re assured of great surround sound performance and exceptional dynamic range. The same driver technologies found in Polk Audio’s highly acclaimed LSi and LCi series of freestanding and built-in speakers are used in the LCi-RTS series.

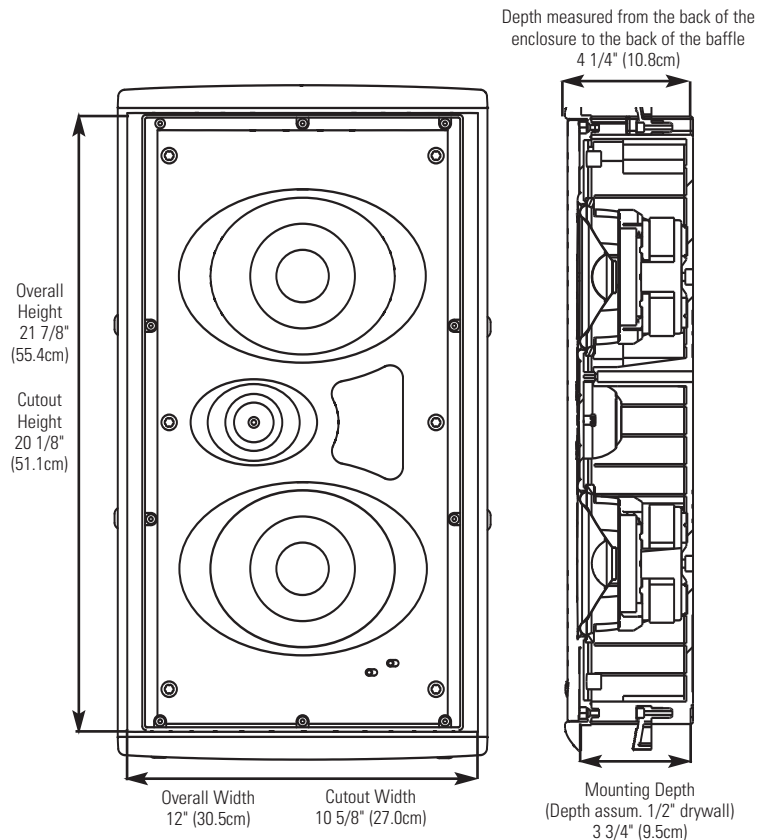
### Hardware (included)

- One LCi-RTS105 speaker
- Speaker mounting template
- Paint mask
- Two grills (one perforated, one cloth)
- Logo Badge
- LCi-RTS105 Manual
- Registration Card

**Important Note:** If anything is missing or damaged, or if your LCi-RTS105 speaker fails to operate, notify Polk Audio Installer Support Services immediately at 800-377-7655.

RTS105 Dimensions	
Overall Height	21 7/8" (55.4cm)
Overall Width	12" (30.5cm)
Cutout Height	20 1/8" (51.1cm)
Cutout Width	10 5/8" (27.0cm)
Overall Mounting Depth	4 1/4" (10.8cm)

Available Finish: Paintable White



**Hardware (included)**

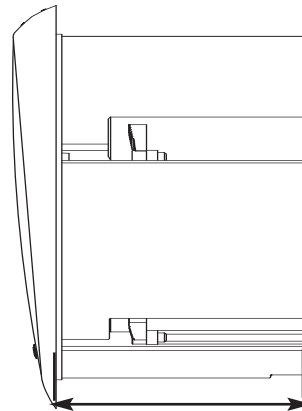
- One LCi-RTS100 speaker
- Speaker mounting template
- Paint mask
- Two grills (one perforated, one cloth)
- Eye Bolt
- Logo Badge
- LCi-RTS100 Manual
- Registration Card

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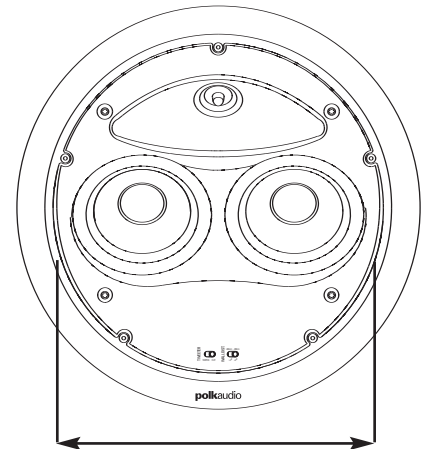
**RTS100 Dimensions**

Overall Diameter 14" (35.56cm)  
 Cutout Diameter 12 1/2" (31.75cm)  
 Overall Mounting Depth 8 3/4" (22.23cm)

*Available Finish: Paintable White*

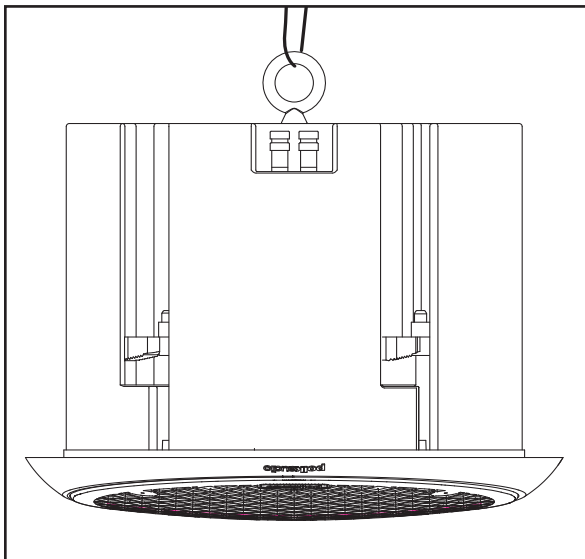


**Depth measured from the back of the enclosure to the back of the baffle 8 3/4" (22.23cm)**

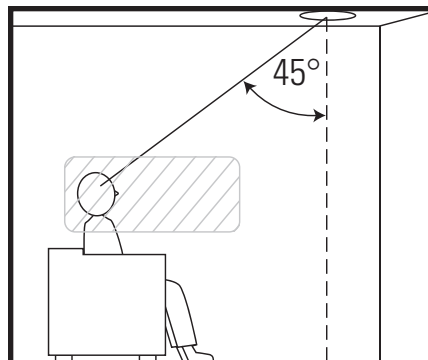


**Cutout Diameter 12 1/2" (31.75cm)**

**Important Note:** The RTS100 comes with an eye-bolt, which must be installed before locating the speaker in a ceiling when additional support is desired. Use an appropriate length and weight of wire when installing an RTS100 in a ceiling.



Angled baffle geometry ensures directed imaging to the listening area.



## Specifications

### LCi-RTS105

Installed Weight: 12.5 lbs. (5.7 kg)  
(not including Stud-Lock Mounting System™)

#### PERFORMANCE

POWER HANDLING (WATTS/CHANNEL)	10-250 CONTINUOUS
IMPEDANCE (NOMINAL)	4 OHMS
FREQUENCY RESPONSE (OVERALL)	50HZ – 27KHZ
THX SPEC	80HZ-26KHZ
EFFICIENCY (2.83V@1M)	92dB
SPEAKER WEIGHT (INSTALLED)	12.5 LBS (5.7KG)

#### DRIVER COMPLEMENT

MIDBASS	2-5 1/4" (13.34CM) AERATED POLYPROPYLENE DYNAMIC BALANCE™ DRIVERS
TWEETER	1-1" (2.54CM) AIMABLE RING RADIATOR TWEETER

#### CONNECTIONS

SPEAKER WIRE	
MAXIMUM WIRE SIZE ACCOMMODATED	12 AWG
MINIMUM RECOMMENDED	18 AWG
INPUT CONNECTORS	HEAVY-DUTY SPRING LOADED PUSH TERMINALS

### Web Address:

For more information on the LCi-RTS105, log onto  
[http://www.polkaudio.com/downloads/manuals/  
home/LCi-RTS105\\_manual.pdf](http://www.polkaudio.com/downloads/manuals/home/LCi-RTS105_manual.pdf)

## Specifications

### LCi-RTS100

Installed Weight: 13 lbs. (5.9 kg)  
(not including Stud-Lock Mounting System™)

#### PERFORMANCE

POWER HANDLING (WATTS/CHANNEL)	10-200 CONTINUOUS
IMPEDANCE (NOMINAL)	4 OHMS
FREQUENCY RESPONSE (OVERALL)	50HZ – 27KHZ
THX SPEC	80HZ-26KHZ
EFFICIENCY (2.83V@1M)	92dB
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## Recommended Configuration

### Installation Recommendation for Optimum Performance

**Important Note:** LCi-RTS Series speakers are for inside installation only. They are not designed for use outdoors.

### THX™ Performance

For THX™ performance, use the cloth grille; set the Tweeter Toggle to the “normal” position and the Wall Distance Toggle to the greater than 2' (>2) position.

### Wire Recommendations

LENGTH	GAUGE
UP TO 25'	18 OR 16
GREATER THAN 25' BUT LESS THAN 50'	16 OR 14
GREATER THAN 50' BUT LESS THAN 75'	14 OR 12
GREATER THAN 75'	12

## CONTROLS AND ADJUSTMENTS

### Room Environment Controls

#### 3dB TWEETER TOGGLE

If your listening room is very reflective, with smooth sheetrock walls, hardwood floors, and non-cushioned furniture, the sound can be overly “bright” and unnatural. Engaging the LCi tweeter attenuation feature (by selecting the “cut” setting) compensates for the effect of reflectivity in a hard room. Tweeter attenuation flattens room response, without hindering higher frequency response, for warmer, more realistic sound and more accurate imaging.

#### WALL DISTANCE TOGGLE

In-wall loudspeakers excel when placed more than 2' (60cm) from side walls. If position limitations demand that your loudspeakers be installed closer than 2' (60cm) from side walls, the close proximity of the surface can result in a response “bump” between 50 and 200Hz. This can cause in-wall speakers to sound “boomy.” The distance toggle switch flattens response and tunes out “boominess” without sacrificing deep bass response, for more lifelike sound. If the speaker is closer than 2' to a wall, engage the wall distance toggle (“Wall Dist.”) to match the <2' setting. Recommended speaker distance from side walls is 2' (60cm)

### Adjusting the Tweeter (LCi-RTS105 ONLY)

Aiming the tweeter toward your listening position improves imaging and detail. If you are using LCi Series In-wall Loudspeakers as front/main home theater speakers, aim the tweeter toward your listening position. For rear/surround speakers installed in walls or ceilings, aim the tweeter toward

the nearest reflecting surface (an adjacent wall or ceiling) if you desire a more diffuse sound field. For more direct sound, aim the tweeters at your listening position.

**Important Note:** LCi-RTS Series Loudspeakers are not magnetically shielded and should not be placed closer than 1' (30cm) from a direct-view television or video monitor.

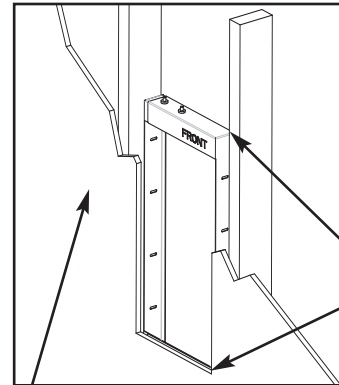
### Stud-Lock Mounting Installation

The Stud-Lock Mounting System™ creates a rigid platform for the LCi-RTS105 and LCi-RTS100, increasing bass performance, clarity and reducing unwanted structure borne vibration. The installation instructions supplied with each Stud-Lock Mounting System™ should be used in conjunction with your LCi Series owner’s manual. Please read your manual carefully to aid you in the proper installation and hookup of your LCi Series in-wall loudspeakers.

#### Important Notes:

**If you are using a Pre-Construction Bracket, always install the Pre-Construction Bracket before installing the Stud-Lock Mounting System™. Be sure to clear the Pre-Construction Bracket wire guide when installing the Stud-Lock Mounting System™.**

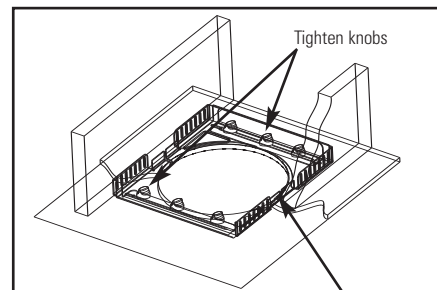
**If you have questions, please contact your Authorized Polk Audio Dealer or Customer Service at 1-800-377-7655 Monday through Friday 9am-6pm EST.**



STL105

Center the bracket vertically in the cutout. The lip of the Stud-Lock bracket and the cutout should align.

Drywall shown cut away for clarity.



STL100

Ends of bracket assemblies should sit flush.