

IC-500-T-SC

SHALLOW DEPTH 5" 2-WAY IN-CEILING LOUDSPEAKER



Klipsch®

KLIPSCH PROFESSIONAL | DISTRIBUTED AUDIO | DATA SHEET



LISTED

UL-1480
UL-2043

PRODUCT OVERVIEW

At just over 4" deep, the all-new IC-500-T-SC packs proven materials and wide dispersion horn technology into an installer-friendly, UL-2043 and UL-1480 certified in-ceiling loudspeaker with an integrated backcan and multi-tap transformer.

The two-way IC-500-T-SC features a 5" woofer, and a 1" titanium diaphragm compression driver on a 2" round Tractrix® horn for smooth response with constant directivity. A Tractrix port design helps to provide deeper, fuller bass with less compression and distortion.

For distributed line application, the IC-500-T-SC features a 15 watt, 70/100 volt multi-tap transformer. A single rotary switch for the 8-ohm bypass and multi-tap setting is conveniently located under the speaker grille. The IC-500-T-SC is shipped complete with a tile-bridge for installation in a suspended ceiling or wherever additional reinforcement of the ceiling material is required.

FEATURES

- Shallow 4.125" depth
- Includes 15 watt 70/100 volt multi-tap transformer
- 70V, 100V, or 8 ohm operation selectable via front baffle switch.
- Tractrix port design for deep bass with less compression
- Tractrix horn tweeter for smooth on and off axis performance
- Designed to mix and match with Klipsch CA speakers
- Includes grille, backcan, tile-bridge, and cut-out template for easy installation

APPLICATIONS

- Restaurants
- Retail Stores
- Offices
- Airports
- Schools
- Health Clubs

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 4 dB)	95 Hz - 20 kHz
POWER HANDLING²	50 watts (14.5V) 200 watts peak
MAXIMUM SPL³	101 dB Continuous 107 dB Peak
SENSITIVITY⁴	87 dB
COVERAGE ANGLE	80°
DIRECTIVITY INDEX (DI)	8 dB
DIRECTIVITY FACTOR (Q)	6.3
NOMINAL IMPEDANCE (IN 8 OHM BYPASS MODE)	8 ohms 4.2 ohm minimum
COMPONENTS	One 5" (12.7cm) woofer 1" (2.54cm) Titanium diaphragm compression driver
INPUT CONNECTION	Terminal Strip
TAP SETTINGS	70V: 15w, 7.5w, 3.8w, 1.9w 100V: 15w, 7.5w, 3.8w
ENCLOSURE TYPE	Bass-reflex via Tractrix port
SAFETY AGENCY RATING	UL-1480, UL-2043
WIRE GAUGE ACCOMMODATED	14 AWG
CUTOUT DIMENSIONS	9.125" (23.2cm) diameter
MOUNTING DEPTH	4.125" (10.5cm)
OVERALL DEPTH	4.375" (11.1cm)
OVERALL WIDTH	10.75" (27.3cm) diameter
THRU HOLE WIDTH	9" (22.8cm)
WEIGHT	5.5 lbs. (2.5kg)
FINISHES	White/Paintable
ACCESSORIES	Mud Ring Kit (PN: 1010413)

ALSO AVAILABLE MUD RING KIT



¹ 3M, Half-spaced anechoic

² AES standard, continuous pink noise 50 Hz - 10 kHz, 6dB peaks

³ Calculated at 1M at power handling power input, 8 ohm mode

⁴ SPL at 1M, Half-spaced anechoic with 2.83V input