

SERENIX INSTALLATION SERIES

SR-TW6.5LS

6.5" coaxial ceiling speaker with transformer — three power taps, 150° conical coverage.

A commercial ceiling loudspeaker for large-scale PA installation. The two-way coaxial driver pairs a polypropylene cone and butyl rubber surround with a Kapton voice-coil former, high-temperature voice coil and aluminium coupling ring for low distortion and extended HF. Three power tapplings at 100V or 70V — or direct 8Ω operation — make it equally at home in schools, restaurants, hotels, stations and airports.

GRILLE, BACK CAN & DRIVER



30 W

MAX TAPPING

100/70V

LINE INPUT

90 dB

SENSITIVITY

105 dB

MAX SPL

150°

CONICAL COVERAGE

FEATURES

01

Coaxial two-way driver

Polypropylene cone, butyl rubber surround, Kapton former and aluminium coupling ring for low distortion and HF extension.

02

Three-step power tapping

7.5 / 15 / 30 W at 100V, halved at 70V, or direct 8Ω connection.

03

150° conical dispersion

Wide, even coverage lets fewer units serve open ceilings for speech and background music.

04

Secure flush mounting

Removable locking 4-pin connector with screw-down terminals, metal grille and metal back can.

SPECIFICATIONS

Description	6.5" woofer, 0.98" tweeter
Rated power output	7.5/15/30 W at 100V 3.75/7.5/15 W at 70V
Line input	100V or 70V; 8Ω
Frequency response	50 Hz–20 kHz (±3 dB)
Frequency range	40 Hz–20 kHz (–10 dB)
Crossover frequency	2.5 kHz
Conical dispersion	150°
Continuous SPL	97 dB
LF driver	6.5" minimum
HF driver	Coaxial, 0.9" minimum
Max SPL (rated power)	105 dB
Sensitivity	90 dB @ 1 W/1 m
Speaker unit	Coaxial PP two-way
Cut-out size	170 mm
Dimensions	203(D)×145(H) mm
Material	ABS, metal grille & back can, white
Mounting	Flush mount, in-ceiling

Corrected spec: max power tapping is 30W (not 60W as on earlier reference sheets); Max SPL recalculated from sensitivity + rated power.

APPLICATIONS

Schools

Restaurants

Hotels

Train stations

Airports

Background music

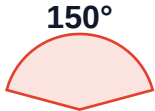
Speech & paging

FREQUENCY RANGE



Solid: ±3 dB response. Extended: –10 dB (40 Hz–20 kHz). Crossover 2.5 kHz.

COVERAGE



CONICAL DISPERSION