

LT-CO-410-430-2.5

Omnidirectional Ceiling Mount Antenna

The Lamatel LT-CO-410-430-2.5 is a compact omnidirectional ceiling mount antenna designed for indoor UHF communication systems operating in the 410–430 MHz frequency range.

Providing 2.5 dBi gain with 360° horizontal coverage, it ensures consistent and reliable signal distribution across enclosed environments. Built with lightweight, durable materials, this antenna offers excellent performance, low VSWR, and an aesthetic low-profile design suited for professional installations in offices, industrial facilities, and public buildings.

Key Features

- Frequency Range: 410–430 MHz
- Gain: 2.5 dBi omnidirectional coverage
- Low VSWR: ≤ 1.5 for efficient signal performance
- Polarization: Vertical
- Design: Compact ceiling-mount, clean appearance
- Connector: N-Female for easy installation
- Power Rating: 50 W
- Durable Housing: Corrosion-resistant, suitable for indoor use

Ordering Information

The LT-CO-410-430 2.5 (410-430 MHz 2.5 dBi) belongs to the Omnidirectional Ceiling Mount.

Other available models in this series include:

- LT-CO-340-360-2.5 (340-360 MHz 2.5 dBi)
- LT-CO-380-400-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-400-420-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-410-430-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-430-450-2.5 (450-470 MHz 2.5 dBi)
- LT-CO-450-470-2.5 (450-470 MHz 2.5 dBi)

Custom options are available upon request, including specific frequency ranges, connector types, and channel bandwidths.

Specifications

Parameter	Specification
Model	LT-CO-410-430-2.5
Frequency Range	410–430 MHz
Antenna Gain	2.5 dBi
Power Rating	50 W
Impedance	50 Ω
VSWR	≤ 1.5
Polarization	Vertical
Beamwidth (V/H)	80° / 360°
Connector Type	N-Female
Antenna Size (Ø × H)	Ø165 × 94 mm
Weight	0.3 kg
Mounting Type	Ceiling Mount
Bandwidth	16 MHz
Material	UV-resistant ABS enclosure
Environment	Indoor

Applications

- Public Safety and Emergency Networks
- Industrial Communication Systems
- Warehouses and Production Facilities
- Office and Commercial Buildings
- Transportation Hubs and Control Centers

