LT-CO-380-400-2.5

Omnidirectional Ceiling Mount Antenna | 380-400 MHz | 2.5 dBi

The Lamatel LT-CO-380-400-2.5 is an omnidirectional ceiling mount antenna designed for indoor RF communication systems operating within the 380-400 MHz frequency range. Its 2.5 dBi gain ensures reliable signal distribution, making it ideal for use in professional-grade communication setups such as in-building public safety networks, commercial radio systems, and private wireless infrastructures. Engineered for discrete ceiling installation, it delivers consistent 360° horizontal coverage and stable performance, supporting dependable connectivity across confined indoor environments.

Key Features

- 360° omnidirectional signal coverage
- Compact ceiling-mount design
- Operates in the 380-400 MHz range
- 2.5 dBi gain for stable performance
- Durable build for long-term indoor use
- Ideal for commercial and public safety systems

Key Highlights

- Compact, lightweight, and low-visibility design
- Stable signal performance in varied indoor settings
- Compatible with standard RF connectors
- Secure and vibration-resistant mounting
- Reliable operation across different indoor temperatures

Specifications

LT-CO-380-400-2.5	
Frequency Range	380-400 MHz
Antenna Gain	2.5 dBi
Power Rating	50 W
Impedance	50 Ω
VSWR	≤ 1.5
Polarization	Vertical
Beamwidth	V:80° H: 360°
Termination	N Female
Antenna Size	Φ165x94 cm
Weight	0.3 Kg
Mounting	Ceiling Mount
Bandwidth	16 MHz

Applications

- Office Buildings & Commercial Spaces
- Public Safety Networks
- Hospitals & Medical Facilities
- Schools & Universities
- Factories & Warehouses

Installation Guide

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Instructions

1. Prepare the ceiling by drilling an 18mm diameter hole in the ceiling panel.
2. Remove the nut plate then feed the coax lead through the hole in the ceiling panel then through the mounting nut as shown above. Secure the antenna by tightening the nut plate.
3. Ensure the coax led connector is properly connected to the feeder connector going to the device for excellent contact. Apply weather proofing materials if necessary to preserve the connection integrity.