

LT-CO-380-400-2.5

Omnidirectional Ceiling Mount Antenna

The Lamatel LT-CO-380-400-2.5 is a compact, omnidirectional ceiling mount antenna designed for indoor UHF communication systems operating within the 380–400 MHz frequency range.

Engineered for reliability, low VSWR, and excellent signal coverage, this antenna provides uniform 360° radiation and 2.5 dBi gain, making it an ideal choice for offices, warehouses, command centers, and public buildings requiring consistent UHF signal performance.

Built with durable, corrosion-resistant materials, it delivers long-lasting performance even in high-humidity or temperature-variable environments. Its lightweight, while its simple ceiling-mount structure ensures quick installation and secure operation.

Key Features

- Frequency Range: 380–400 MHz
- Gain: 2.5 dBi omnidirectional coverage
- VSWR: ≤ 1.5 for efficient signal transfer
- Polarization: Vertical
- Compact Design: Low-profile, ceiling mount style
- Power Handling: 50 W
- Connector: N-Female for easy installation
- Durability: Lightweight, weather-resistant housing

Ordering Information

The LT-CO-380-400 2.5 (380-400 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-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 (Vertical / Horizontal)	80° / 360°
Connector Type	N-Female
Antenna Size (Ø × H)	Ø165 × 94 mm
Weight	0.3 kg
Mounting Type	Ceiling Mount
Bandwidth	16 MHz
Operating Environment	Indoor / Controlled Areas
Color	White / Neutral Finish

Applications

- Compact & Lightweight: Easy to install in false ceilings or indoor panels.
- Consistent Coverage: Ensures stable and uniform indoor communication.
- Durable & Low-Maintenance: Resistant to heat, humidity, and corrosion.

