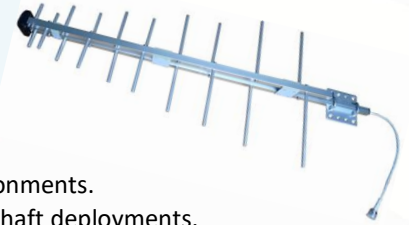


Log Periodic Directional Antenna

ILP-YMN-V8P

450-512MHz, 758-869MHz

- **Wideband Coverage:** Supports UHF and 700/800 MHz Public Safety Band
- **Compact Form Factor:** Log-Periodic directional antenna designed for space-limited environments.
- **Specialized Application:** Engineered for reliable in-building coverage, including elevator shaft deployments.



Electrical Specification

Product Model	ILP-YMN-V8P	
Frequency (MHz)	450-512	758-869
Gain (dBi)	7.0 ± 1.0	8.0 ± 1.0
Polarization	Vertical	
Beamwidth Horizontal (°)	90 ± 15	80 ± 15
Beamwidth Vertical (°)	60 ± 10	55 ± 10
VSWR	≤ 1.8	≤ 1.8
Front to Back Ratio, Typical	≥ 10	≥ 15
Average Power, max (W)	50	
Impedance (ohm)	50	

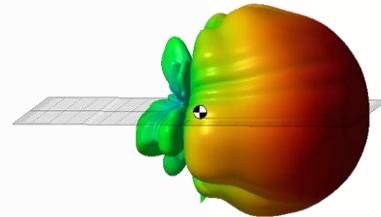
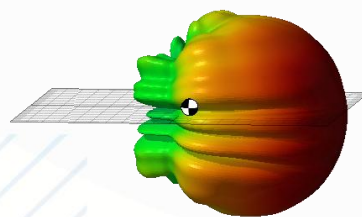
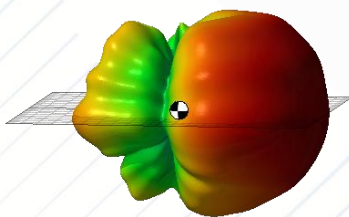
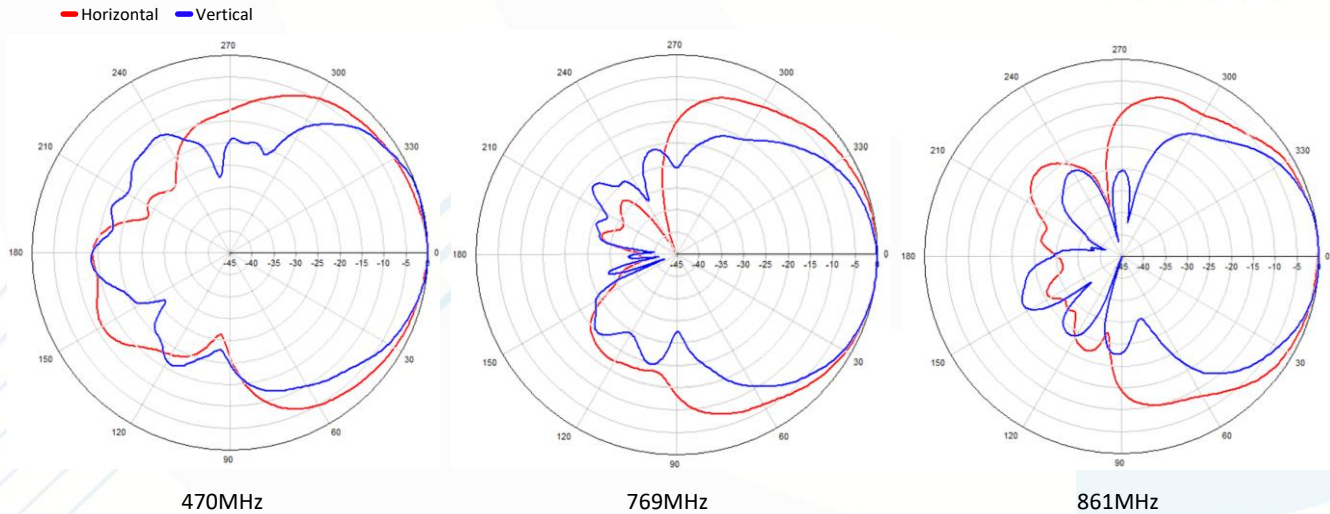
Mechanical Specification

Dimension Diameter, height (in/mm)	33.07x13.79x2.36 / 840x350x60
Weight w/o mounting kit (lb/kg)	2.2 / 0.98
Shipping Dimension(in/mm)	35.6x15.0x3.0 / 905x380x75
Shipping Weight(lb/kg)	5.5 / 2.5
Material & color	Aluminum finished, White
Diameter of the mounting pole(in/mm)	Ø1.18 - Ø2.00 / Ø30 - Ø50
Maximum Wind Speed(mph)	89
Connector type	N-Female

Environment & Compliance

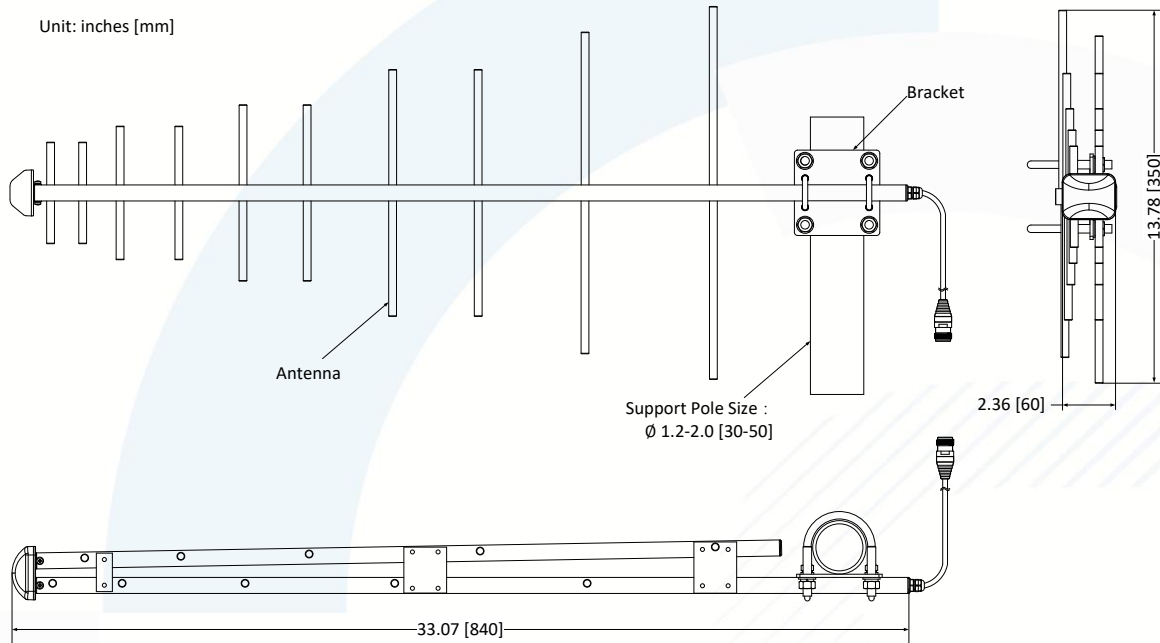
Application	Indoor
Operating Temperature	-40°C to +60°C
Relative Humidity	Up to 95%
RoHS	Compliant

Antenna Pattern



Outline Drawing

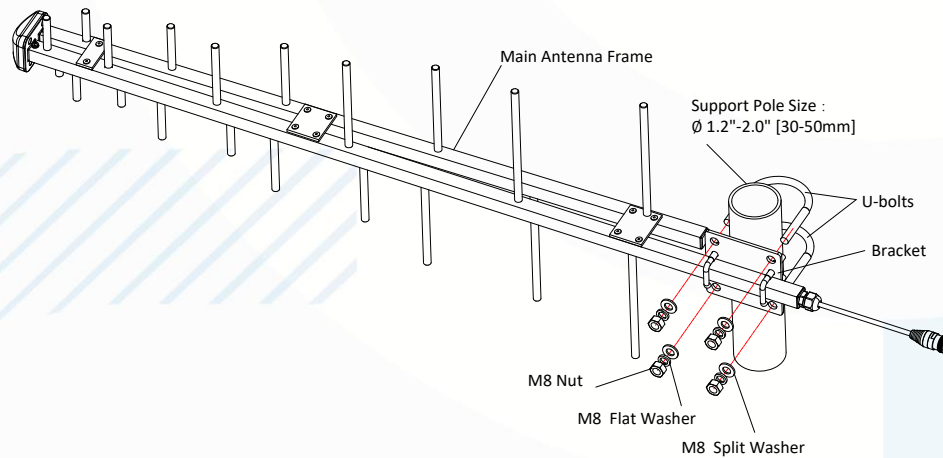
1. Drawing



2. Installation

Note: Vertical Polarization is default.

- The main antenna frame comes pre-installed with a bracket set for vertical polarization.
- Insert two U-bolts through the bracket, then fit the M8 split washers, flat washers, and nuts in that order. Tighten evenly to secure as shown below.



3. Packing list

Item	Qty
Antenna Frame with bracket (pre-installed)	1
U-bolt	2
M8 Nut	4
M8 Flat Washer	4
M8 Split Washer	4
Installation Instruction. Hard copy	1