

## GROUND-TO-AIR MULTIPOL ANTENNA LED MODELS

Our Multipol line of VHF & UHF dipole antennas have been specifically developed for air traffic control, ground-to-air, ground-air-ground, and naval applications.

**TACO Antenna's multiple output antenna design offers the operation of up to three stacked dipoles operating simultaneously within one radome.**

### Reliable

- Rugged lightweight construction
- Transportable
- 3 year warranty

### Reduce Footprint

- Multiple outputs
- Combination of VHF and UHF frequencies
- High isolation between antenna elements

### Proven Performance

- Used by NATO military forces/defence contractors around the world
- MIL-STD-810F
- Reduced installation time/cost for permanent installations

### LED Features

- Results in reduction in tower climbs for lower maintenance costs & unplanned site visits
- High impact polycarbonate lens with UV, scratch & chemical resistant coating
- EMC tested for noise interference
- Resistant to shock & vibration
- ETL Certified to the FAA requirements
- RTO signal is ICAO & Transport Canada compliant
- CE compliance for EU requirements
- Operating voltage: 120-240 VAC
- All models include lightning rod

D2296-OL-LED

## PRODUCT SPECIFICATIONS

### Environmental

- Tested to MIL-STD810F
- Operating Temp of D2000 Models: -40 to 131°F (-40 to 55°C)
- Operating Temp of D5072-OL-LED: -40 to 158°F (-40 to 70°C)

### Electrical

- Polarization Vertical
- VSWR (max) of D2000 Models: 2:1
- VSWR (max) of D5072-OL-LED: 1:9:1
- Connector Type 'N' Female

- Impedance 50 Ohms
- VHF Applied Power 350W Continuous; UHF Applied Power 250W Continuous
- Vertical Beam Deviation  $\pm 10^\circ$  (horizon)

## VHF MODELS

MODEL	NUMBER OF CONNECTORS		CLAMP ID (IN)	*LENGTH (IN/CM)	ESTIMATED WEIGHT (LBS/KG)	COLOR
	FREQUENCY (MHz)					
	116-150	118-137				
<b>D2212-OL-LED-EU-G</b>	2		3	177.0 / 449.5	24.0/10.9	BATTLESHIP GREY
<b>D5072-OL-LED</b>		2	3	177.0 / 449.5	27.0/12.3	WHITE

## VHF/UHF MODELS

MODEL	NUMBER OF CONNECTORS		CLAMP ID (IN)	*LENGTH (IN/CM)	ESTIMATED WEIGHT (LBS/KG)	COLOR
	FREQUENCY (MHz)					
	VHF	UHF				
	116-150	225-400				
<b>D2295-OL-LED-EU</b>	1	2	3	130.0/330.0	23.0/10.4	IMRON WHITE
<b>D2296-OL-LED</b>	2	1	3	196.5/499.0	31.0/14.1	IMRON WHITE
<b>D2296-OL-LED-EU</b>	2	1	3	196.5/499.0	31.0/14.1	IMRON WHITE

\*Length includes lightning rod

### LED Compliance

- ICAO Annex 14, 5<sup>th</sup> Edition, July 2009
- ICAO Aerodromes Design Manual, Chapter 18
- Canadian Aviation Regulation CAR 621 (Transport Canada)
- Nachrichten für Luftfahrer Teil I Langen, 6. January 2005
- German Air Traffic Control Notices For Pilots Part I 6, January 2005

### LED Certifications/Ratings

- FAA Approved
- DGAC Mexico
- IP 66
- NEMA 4X