



**TACO**<sup>TM</sup>  
ANTENNA  
[tacoantenna.com](http://tacoantenna.com)

## LED MULTIDIPOL™ ANTENNA MODELS

Our MULTIDIPOL™ 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 and compact
- 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
- Designed to meet MIL-STD-810G
- 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

## TACO ANTENNA

(A division of Wade Antenna Inc.)  
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## SPECIFICATIONS

### Environmental

- Designed to meet MIL-STD-810G
- Operating Temp: -40° to 131°F (-40° to 55°C)

### Electrical

- Vertical Polarization
- VSWR (max) of D2000 Models: 2:1
- VSWR (max) of D5072-OL-LED: 1:9:1
- Impedance 50 Ohms
- VHF Applied Power 350W Continuous
- UHF Applied Power 250W Continuous
- Vertical Beam Deviation  $\pm 10^\circ$  (horizon)
- 'N' Female Connector

## VHF FREQUENCIES

Model	Number of Connectors		Gain (dBi)	Isolation min (dB)	Mast OD (in/cm)	Antenna Length* (in/cm)	Antenna Weight (lbs/kg)	Color
	Frequency (MHz)							
	116-150	118-137						
D5072-OL-LED		2	2	30	2.875/7.3	176.0/447.0	26.0/11.8	White
D5072-OL-LED-EU		2	2	30	2.875/7.3	176.0/447.0	26.0/11.8	White

## VHF/UHF FREQUENCIES

Model	Number of Connectors		Gain (dB)	Isolation min (dB)	Mast OD (in/cm)	Antenna Length* (in/cm)	Antenna Weight (lbs/kg)	Color
	Frequency (MHz)							
	VHF	UHF						
	116-150	225-400						
D2296-OL-LED	2	1	2	29.5	3.0/7.6	196.4/498.9	31.0/14.1	White
D2296-OL-LED-EU	2	1	2	29.5	3.0/7.6	196.4/498.9	31.0/14.1	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. Januar 2005
- German Air Traffic Control Notices For Pilots Part I 6, January 2005

### LED CERTIFICATIONS/RATINGS:

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

*TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.*