

## LP-SEC581790 5.15 GHz to 5.85 GHz 17 dBi 90° Sector Antenna.

LPSEC581790\_SS\_ENB01W

### Characteristics

- Ample working range, from 5150 MHz to 5850 MHz. Superior to the limited range of traditional antennas. More channels are able to pass without losses on band limits.
- Solid gain of 17 dBi and 90° of horizontal coverage.
- High stability of physical parameters.
- Robust aluminum and ABS plastic construction for a long service life in extreme weather conditions -40° C to 85° C (-40° F to 185° F), ideal choice for ISP 's and Hot Spots.
- Easy alignment, 360° Horizontal rotation and 20° of downtilt.
- Stainless steel mast mounting hardware, diameter 2" (50.8 mm).
- DC Grounding for lightning protection.
- Female type N connector.
- UV resistant Plastic Polymer radome.
- Able to handle power of up to 100 W.
- Wind Loading factors: frontal 10 Kg (22 lb), Lateral 3.6 Kg (8 lb).
- Vertical Polarization standard.
- E-plane: 90°.



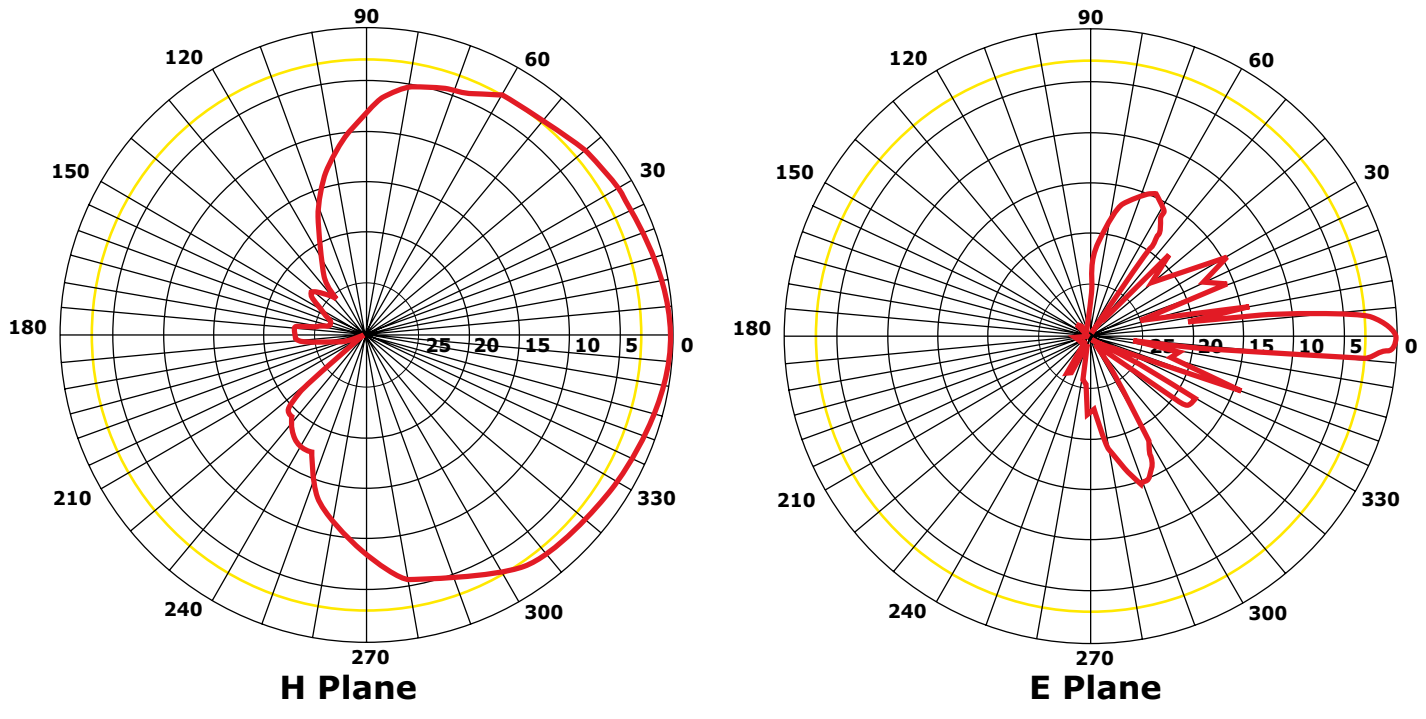
## LP-SEC581790 5.15 GHz to 5.85 GHz 17 dBi 90° Sector Antenna.

The 5.15 to 5.85 GHz band Sector Antennas by LanPro are made with a 50 Ohm passive feeder which comes with a N Female type connector as a standard. These antennas can be vertically or horizontally polarized, in order to offer our end users the possibility of rejecting signals that are orthogonally polarized compared to the selected by the user. These antennas are widely used in WiFi systems in the ISM and UNII bands, with the goal of constructing cells similar to those employed in Cellular telephony and distribute internet service for Campus and wide areas. As many of these antennas as needed can be deployed in order to provide sufficient coverage.

**A Technical Specifications**

Frequency range	5150 to 5850 MHz
Gain	17 dBi
Horizontal Beamwidth	90 ± 5°
Vertical Beamwidth	9± 0.5°
F/B Ratio	>20dB
WSWR	<1.5 max 2.0
Polarization	Vertical
Impedance	50 Ohm
Lightning protection	DC Ground
Max Power	100W
Connector	N Female
Dimensions (L*W*H)	430x138x45 mm
Weight	2 Kg
Rated Wind Velocity	60m/s
Mounting Mast Diameter	30-50 mm
Working Temperature	-40°C to +60°C

**LP-SEC581790 Antenna Patterns**



**B How to Order**

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