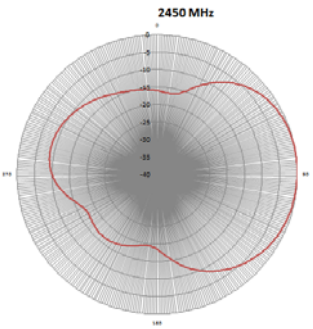
2.4/5 GHz 6 dBi Omnidirectional Wi-Fi Light Globe Antenna with 4 RPSMA Plugs for LED Light Globes

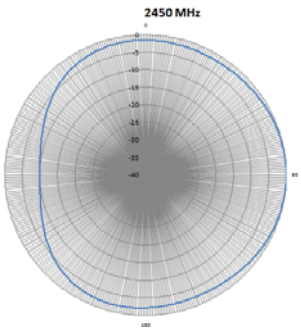
Ventev's TerraWave 2.4/5 GHz 6 dBi Multiple-Input and Multiple-Output (MIMO) Omnidirectional Wi-Fi Antenna for LED Light Globes transforms outdoor light globes into Wi-Fi hot spots. The antenna is designed to operate with the most modern 802.11ac access points with RPSMA connectors. This unique antenna installs inside outdoor lighting globes to ensure concealed, high-performance Wi-Fi. The antenna delivers as a kit with Printed Circuit Board antenna elements, stand-off spacers, and associated attachment hardware. Installers must integrate the antenna elements onto the light globe's heat sinks as described in mounting instructions on page 2. *Every Ventev TerraWave antenna is covered by a 2- year TerraNet warranty program. Contact Ventev at 800-851-4965, or sales@ventev.com for questions and to purchase product.*

Antenna integrated into LED Light Globe

Specifications	
Model	M6060060O1D41202I
Frequency Range	2400 ~ 2500 MHz / 4900 ~ 5850 MHz
Bandwidth	100/ 985 MHz
Gain	6 dBi
Vertical Beamwidth	50° / 30°
Horizontal Beamwidth	360° / 360°
VSWR	≤ 2.0 / ≤ 2.0
Nominal Impedance	50 Ohms
Polarization	Vertical
Max Power Rating	10 Watts
Dimensions	6" (H) x 4" (W)
Weight	1 lb.
Connector	4 x RPSMA Plug
Number / Length / Type Pigtails	4 x 3' Pigtails / RG58
Operating Temperature Range	-40°F to +158°F

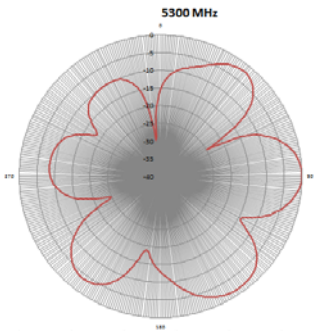


E-Plane Pattern

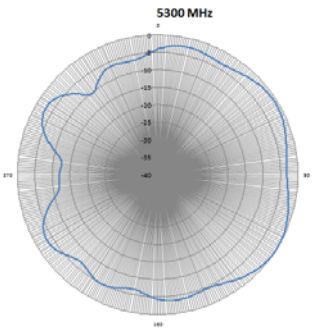


H-Plane Pattern

2.4 GHz



E-Plane Pattern



H-Plane Pattern

5 GHz

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Installation Instructions

Note: These procedures assume the Heat Sinks have been pre-drilled to host the antenna Stand-Offs, and the center hole in the bottom of the cast metal base has been enlarged to fit the antenna connectors.

1. Select a Printed Circuit Board (PCB). Insert the PCB's cable and connector between the heatsink extrusions to the right side of the antenna being installed and down thru the 1.0" diameter hole in the center plate. Refer to Image item #1.

2. Using the plastic screws and spacers provided, carefully mount the PCB antennas to the heatsinks. Using caution not to bend the PCB or overtighten the plastic screws. Refer to Image item #2.

3. Repeat for the remaining 3 PCBs.

4. Dress the cables to remove any excess slack from above the mounting plate using caution not to kink the cable or exceed a 1" bend radius. Zip-tie the cables to provide strain relief. Refer to Image item #3.