

Small Cell Concealment Solutions

Raycap's STEALTH small cell poles are designed to customer specifications, can be delivered fully or partially integrated, and can accommodate all radio technologies. Manufacturing, testing, measurement, and quality inspection all take place prior to leaving our facility. Additionally, Raycap has developed InvisiWave™, a breakthrough, tested, and carrier-approved concealment material that effectively conceals 5G mmWave systems.

Fully Integrated Poles & Pole Topper Solutions



InvisiWave™

- Fully Integrated and modified pole topper options
- Fully Concealed, Concealed or Non-Concealed options
- Built to meet precise specifications and maintain maximum RF performance
- InvisiWave™ proprietary 5G mmWave concealment material
Tested/Approved Spectrum: 700 MHz to 100 GHz
- 4G, 4G+5G, 5G, Multiple Operator
- Overall height can be adjusted as required
- Customized designed concealment to meet operator and/or municipality requirements from top to bottom
- Pole and pole toppers built per customer requirements

Upper-Middle of Pole Solutions



- Fully integrated poles can be ordered with optional lighting or attachments to match existing surrounding light poles
- Poles can be engineered to re-use existing luminaries to reduce site costs and lead time
- Side-mounted concealment solutions are available for poles or on existing structures
- Steel painted pole options to look like wood to accommodate power and fiber lines on the interior, available in different finishes, sizes and widths to accommodate both power and fiber and the needs of the surrounding environment
- Pole mounts of any type are available

Lower-Middle of Pole Power/Fiber Management



- 120/240 VAC industry standard load centers
- Suitable for Use as Service Equipment (SUSE) with NO condition per UL and NEC
- Provide robust overvoltage surge protection for the AC power circuits for today's small cell radio systems
- Employ innovative Strikesorb® 30-A-2CHV modules capable of withstanding direct surge currents up to 5kA (10/350µs) and induced surge currents up to 60kA (8/20µs)
- Dual (Line 1 to Neutral) (Line 2 to Neutral) protection for up to twelve AC circuits
- NEMA 4X or IP 68 & NEMA 6/6P Indoor/Outdoor fiber enclosures provide ultimate flexibility and optimal fiber organization

Pole Bases and Optional Pre-Fab Foundation



- Decorative bases can be installed around existing poles to hold power and fiber distribution equipment, as well as radio equipment
- Structural bases also perform this function, but can also support an existing or new lightpole installed on top of the structural base
- Raycap can provide customers with traditional poured-in-place foundation designs, as well as alternative pre-fabricated foundation options to help expedite deployment
- Direct Embedded, Mechanical Helical, Pre-Cast, and Break-Away Mechanisms