



# FLIGHTSPECTRUM™

## OVERVIEW

The first Optical Wireless solution installed in a major telecommunications carrier network—and now deployed in 60 countries—the FlightSpectrum is the perfect balance of carrier-proven performance and price. LightPointe's ground-breaking multi-beam Optical Wireless solution is available for 4X E1, 8X E1 and 16X E1 license-free connectivity in Mobile Wireless Carrier networks. At the heart of the FlightSpectrum is a two-beam, two-receiver design that enables connectivity at distances of 4 kilometers for backhaul applications and other wireless network applications. FlightSpectrum is the original benchmark that led the way for global mainstream adoption of Optical Wireless products based on free-space optics (FSO) technology. The FlightSpectrum is ideal for price-sensitive wireless service provider customers seeking an interference-free and license-free connectivity alternative to traditional radio frequency or leased E1 lines. Available in a data rate of 40 Mbps, the FlightSpectrum integrates easily into mobile wireless service provider network infrastructure.

## FEATURES AND BENEFITS

- Variable Mbps Throughput – Full-duplex transmission, enabling up to 16 E1/T1 connectivity.
- Distance Rated at 4 km – Up to 2.5 mile operational range for tower-to-tower connections.
- Immune to Radio Frequency Interference – License-free worldwide and immune to spectrum issues of licensed or unlicensed radio frequency solutions.
- Multi-Beam Design – Two-beam, two-receiver design for higher performance.
- Multiple E1 Capacity – Up to 16 E1 connectivity when combined with our FlightMux solutions.



