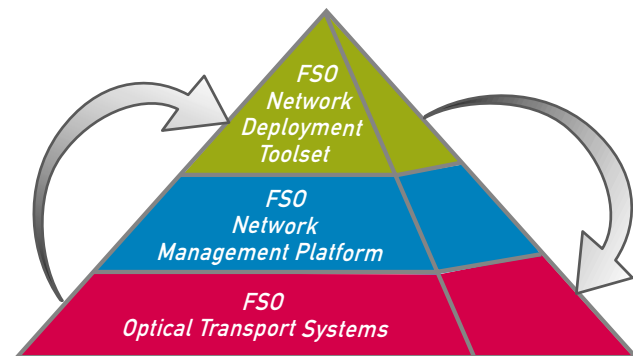


Our scalable products meet the incredible bandwidth demands placed on today's networks by data, video, and voice traffic. We provide a full spectrum of protocol agnostic FSO networking products to meet a wide range of connectivity options. FlightTransport, LightPointe's Optical Transport Systems, provide a low-cost solution for companies in need of fiber-optic performance.



LightPointe's Flight FSO Carrier-class solutions combine three essential elements:

**FlightTransport:** The core of LightPointe's FSO solutions, FlightTransport is optical transmission equipment that delivers high speed communications faster and more cost effectively than traditional fiber-optic cable with the following features:

- Bandwidth
- Distance
- Flexible topology and deployment geometry
- Protocol agnostic

**FlightManager:** A robust SNMP-based network management interface between the FSO link heads and the customer's back-office operations offering:

- Comprehensive network monitoring support
- Compatibility with existing network management packages
- Out-of-band network support
- User-friendly graphical interfaces
- Remote, decentralized management capabilities.

**FlightNavigator:** A critical element of deployment, the FlightNavigator toolsets permit deployment simplicity and the ability to perform network traffic monitoring functions such as:

- Link availability analysis
- Regional deployment analysis
- Traffic simulation



**CORPORATE OFFICE, San Diego:**

10140 Barnes Canyon Road, San Diego, CA 92121, P: 858.643.5200, F: 858.643.5201

**ADVANCED RESEARCH CENTER, Boulder:**

6260 Lookout Road, Suite 2, Boulder, CO 80301, P: 303.527.0531, F: 303.527.0538

**LightPointe EUROPE GmbH, Dresden:**

Werkstätten Strasse #16, D-01157 Dresden, Germany, P: +49.351.339.4500, F: +49.351.339.4599

www.lightpointe.com    sales@lightpointe.com    866-FS-FIBER



## FlightLite™ Product Specification

	FlightLite 155Mbps	FlightLite 10Mbps
<b>OUTDOOR UNIT</b>		
Description	Single-beam system	Single-beam system
Dimensions (WxHxL in inches)	215 x 200 x 400mm (8.5 x 8 x 16)	215 x 200 x 400mm (8.5 x 8 x 16)
Unit Weight	4.5kg (8.8lbs)	4.5kg (8.8lbs)
Shipping Weight	12.7 kg (28lbs)	12.7 kg (28lbs)
Operating voltage	90 to 240 V (50/60 Hz)	90 to 240 V (50/60 Hz)
Operating Temperature Range	-13°F to 122°F (-25°C to 50°C)	-13°F to 122°F (-25°C to 50°C)
Humidity Range	Up to 95% non-condensing	Up to 95% non-condensing
Power consumption max.	12W	10W
Immune to EMI & RF Interference	Yes	Yes
Built-in alignment telescope	Yes	Yes
<b>FREE SPACE</b>		
Recommended Optimal Distance	Up to 500m*	Up to 350m*
Opt. Transmitter	VCSEL	VCSEL
Wavelength	850nm	850nm
Beam divergence	3.5mrad	7mrad
Opt. Receiver	Si APD	PIN
Opt. Output Power	5mW	1 mW
Receiver sensitivity	-40dBm	-42dBm
Receiver wavelength	780 to 900nm	780 to 900nm
Dynamic range	28dB	28dB
Receive power indicator	10-level bar graph	10-level bar graph
Status indicators (LED)	Power, TX Data, LOS, Overload	Power, TX Data, LOS, Overload
<b>NETWORK INTERFACE MULTI MODE</b>		
Bit rate	10 to 155Mbps	10Mbps
Protocol	Transparent	IEEE802.3 (Ethernet)
System interface	SC compatible	RJ45 (Ethernet)
Network connection	Multimode 62.5/125µm	
Wavelength	1270 to 1350nm	
Opt. Receive power	-14 to -23dBm	
Opt. Transmission power	-14 to -22dBm	
<b>NETWORK INTERFACE SINGLE MODE</b>		
Network connection	Single mode 9/125µm	
Wavelength	1270 to 1350nm	
Opt. Receive power	-8 to -25dBm	
Opt. Transmission power	-8 to -15dBm	
<b>CLASSIFICATIONS</b>		
IEC/EN 60825-1	CLASS IIIB	CLASS I
CDRH	CLASS IIIB	

### SAFETY GUIDELINES

**Important:** Direct viewing into the FlightLite transmission beam aperture with an optical instrument (e.g. magnifying glass) can be dangerous. The LightPointe FlightTransport FlightLite products are certified eye-safe in accordance with IEC Class I and Class IIIB.

\*Distances are for reference only. Actual distances achieved are dependent on bandwidth required and environmental conditions.