



FLIGHTLITE™ 100 / FLIGHTLITE™ 100E

APPLICATION

The FlightLite 100 and FlightLite 100E are LightPointe's Enterprise Fast Ethernet solutions. Built on the heritage and success of our original FlightLite product line, the FlightLite 100 and FlightLite 100E are ideal for Enterprise environments and building-to-building connectivity.

For customers who currently lease copper access between buildings or who are considering costly fiber-optic cable, the LightPointe solutions offer significantly higher bandwidth with full-duplex speeds and a welcome end to recurring monthly fees. The FlightLite 100 and 100E provide attractive wireless bridging solutions at higher data rates than competing unlicensed RF alternatives.

KEY FEATURES

- Copper Interface – easily integrates into existing LANs. “Plug and Play” install with CAT5 cable.
- Power over Ethernet – product installation simplified with no need for costly electrical wiring runs or new outlets.
- Fast Ethernet Speed – full-duplex 100Mbps speed is considerably faster than unlicensed RF alternatives.
- Immune to RF Interference – all LightPointe Optical Wireless products are free from radio frequency interference and spectrum saturation issues.
- Lightweight, Compact Design – at 4.5kg (9.9 lbs), the FlightLite 100 and FlightLite 100E are lightweight, powerful and simple to install.
- Robust Product Housing – weatherized, rugged and designed for outdoor installations in environments of -30°C to 60°C (-22°F to 140°F); heat shields are also available for hotter climates.
- Lens Cover Defroster – FlightLite 100 and FlightLite 100E include an internal heating element for low-temperature climates and a lens cover defroster – among the only products in their class to offer the additional features for cold, icy winter conditions.
- Class 1M – all LightPointe products are rated Class 1M, the international standard for eye-safety.



UNIT SPECIFICATIONS

FlightLite 100 & 100E

| | |
|---------------------------------|-------------------------------------|
| Description | Fixed Optics System |
| Receiver/Transmitter(s) | One transmitter, one receiver |
| Dimensions (WxHxL) | 215x200x400 mm (8.5x7.9x15.75 in) |
| Unit Weight | 4.5 kg (9.9 lbs) |
| Operating Voltage | 12/48V (PoE-injector) |
| Operating Temperature | -25 C to 60 C (-13 F to 140 F) |
| Humidity Range | Up to 95% non-condensing |
| Power Consumption Max | 15W |
| Immune to EMI & RF Interference | Yes |
| Built-In Alignment Telescope | Yes |
| Built-In Defroster | Yes; auto activation at 15 C (59 F) |

FREE SPACE SPECIFICATIONS

| | |
|--------------------------------|--|
| Bit Rate | 10Mbps to 100Mbps, full-duplex |
| Free-Space Optical Transmitter | VCSEL |
| Free-Space Wavelength | 850 nm |
| Optical Receiver | Si APD |
| Receive Power Indicator | 10-level bar graph |
| Status Indicator (LED) | Power, TX Data, LOS, Overload, Data In, Data Out |

INTERFACE

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|-----------------------------------|---------------------------------------|
| Protocol | 10/100-Base-TX Ethernet/Fast Ethernet |
| Power Over Ethernet Specification | 802.3af |
| Connector | Copper RJ-45 |

CLASSIFICATION

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|-------------------|----------|
| IEC/EN 60825-1/A2 | Class 1M |
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RECOMMENDED OPERATIONAL RANGES

