Instrument Environment Requirements

**Instrument Size:**
- Height = 82.1”
- Length = 85”
- Width = 29.5”

(Will fit through standard doorway.)

Center of transmit/receive light is 34.25” from end of instrument at exit with 4 degree angle from vertical as shown.

**Ceiling window:**
- Anti-reflection coated thermo-pane window
- Warmed by heat lamp to prevent frost
- 18” clear aperture
- 5-degree slope to drain water
- Flush mounting to prevent snow drifting on window

**Working Space:**
- 82” X 120” for maintenance persons
  - (instrument: minimum 6” from wall)
  - - possible to operate in narrower space, but inconvenient

**Electrical:**
- 120V, 30A(circuit breaker) (uses ~25 A)
- Lidar has 16ft. power cord w/NEMA twist-lock plug.

**Temperature:**
- Room Temperature (60-75 F)

**Communication:**
- Requires internet connection (~16 kb/s average data rate)

**Shipping crate sizes:**
- Box 1: 96” X 40” X 40” (collapsible boxes, can be stored outdoors)
- Box 2: 96” X 40” X 36”
- Box 3: 38” X 38” X 40”