

BID SPECIFICATIONS

ALL-TERRAIN PORTABLE LIGHT SYSTEM

1. All-terrain portable light system incorporates:
 - One all-terrain three-legged frame,
 - One 2200-watt generator,
 - One telescoping pole, and
 - One high output LED light.
2. System shall stand, with legs and pole fully extended, over 3.5 feet tall.
3. System shall have three independently adjustable, outward curving, powder-coated legs made of solid aluminum, which:
 - Allow the unit to rise twelve inches above the ground in order for the generator to be raised above sand, snow, water, and ground debris;
 - Allow the unit to be level when placed on stairs or uneven ground; and
 - Protect the generator and keep it up off the ground, even when retracted.
4. System, without the light or pole attached, shall:
 - Measure 27 inches long x 15 inches wide x 21 inches high, and
 - Weigh less than 59 lbs., not including fuel and oil.
5. System shall include one LED light head which shall:
 - Produce 28,000 lumens of lights while using only 336 watts of power;
 - Be detachable from the pole using a knob mounted at the base of the light head;
 - Weigh less than 10 lbs. and measure 14.5 inches wide x 3.5 inches deep x 15 inches high; and
 - Be able to tip forward and back and rotate more than 360 degrees without repositioning the generator.
6. System's telescoping pole shall:
 - Be detachable from the generator portion of the system by turning a knob on the frame;
 - Retract no less than 15 inches and extend no more than 26 inches (not including the light head); and
 - Have a twist-lock mechanism allowing the pole to be locked at any length in between the retracted and extended lengths.
7. System's power supply shall be a gasoline powered generator with inverter technology for fuel efficiency, super-quiet operation, and computer-safe power. The generator shall:
 - Have a rated wattage of 1800W (15A) and maximum wattage of 2200W (18.3A);
 - Power a 336 watt light for 8.3 hours on a 0.95-gallon tank of gas;
 - Feature 20A 125V duplex receptacles, NEMA plug 5-20P; and
 - Not exceed 57 dB at rated load and 48 dB at ¼ load.
8. System shall be covered by warranties of:
 - 3 years on the generator;
 - 5 years on the light head; and
 - 5 years on other components, workmanship, and materials.
9. System shall be available with these optional accessories:
 - Digital combination tachometer and hour meter, which tracks RPM and total hours.
 - Receiver Hitch Pole Mount that fits standard 2-inch receivers and holds any 1.75 inch diameter telescoping pole and light.
 - Truck-Mount hardware to hold a telescoping pole and light firmly to a wall, cabinet door, or side of truck.
 - Heavy-duty, military-grade case to hold the light head and pole.