

# NIGHT RESPONDER™ EPL-20W



- *Engine-generator package includes a 20 kw AVR regulated generator for additional power*
- *SHO parallel lamp fixtures produce more than five times the light of quartz fixtures*
- *Single electric winch system features torque limiting clutch and circuit breaker protection*

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# Night Responder™ EPL-20W

## SPECIFICATIONS

<b>Engine:</b>	Liquid-cooled diesel Low oil pressure/high temperature automatic shutoff
<b>Power Output:</b>	Isuzu 4LE1, 34.1 hp continuous @ 1800 rpm
<b>Starting:</b>	12 volt electric Glow plug cold starting system
<b>Fuel Capacity:</b>	50 gal. (189.3 L)
<b>Operating Time:</b>	Up to 65 hrs. without refueling
<b>Lighting:</b>	4 or 6-1,000/1,250 watt metal halide HID SHO fixtures One-500 watt quartz fixture
<b>Electrical:</b>	Alternator (Generator): 60 Hz, single-phase 20kw AVR regulated Circuits: Hard-wired electrical Ballast: Easily serviceable "componetized" assemblies Two-120 VAC duplex GFCI outlets Two-240 VAC twistlock receptacles and One-50 A outlet Ground rod
<b>Tower:</b>	30 ft. three-section tower Self-lubricating nylon wear pads Rotation: 360° rotatable from the ground
<b>Trailer:</b>	Frame: Formed, welded steel Hitch: Adjustable height, reversible combination, 2 in. (50 mm) ball, 3 in. (75 mm) pintle hitch Enclosure: Heavy-duty with 10-gauge side panels and 12-gauge hood Bright tread plate aluminum front panels Doors: Lockable, 12-gauge lift-up access Taillights: LED stop, turn, and running Forklift pockets and lifting eye Tie down rings Chrome wheels
<b>Stabilizers:</b>	Four-point design Tower center-mounted between two retractable side outriggers, tongue jack, and rear jack Remains operational in wind gusts up to 65 mph (104.6 kph)
<b>Domestic Shipping Weight:</b>	Light Fixtures: 15 lbs. (6.8 kg) (each) Trailer and Mast: 2,220 lbs. (1007 kg) Total Weight: 2,220 lbs. (1007 kg) with four fixtures

## DIMENSIONS

**Height mast lowered:** 5 ft. 7 in. (1.7 m)  
**Height mast raised:** 30 ft. (9.1 m)  
**Length with fixtures:** 14 ft. 9 in. (4.5 m)  
**Length without fixtures:** 13 ft. 6 in. (4.0 m)  
**Width:** 74 in. (1.87 m) electric winch  
**Outrigger Width:** 12 ft. 10 in. (3.91 m)  
**Wheels and Tires:** 15 in. (43 cm)



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## VALUE-ADDED FEATURES

**SHO (super high output) parallel lamp fixtures** produce up to five times the light of traditionally used quartz light fixtures while using the same amount of energy.

**Supplementary quartz lamp fixture** provides immediate light while SHO fixtures reach optimum output levels.

**Exclusive bi-directional automatic cord reel** prevents the electrical cord from becoming tangled or coiled as the tower is raised and lowered.

**Outlet panel** provides various electrical hook-ups for additional pieces of emergency equipment.

**Optional power extension reel** provides additional power outlets in locations not near the tower.

**Engine-generator package** includes an 1,800-rpm liquid-cooled diesel engine coupled with a 20-kw AVR regulated generator that can power additional emergency equipment such as fans and light stands.

**Single electric winch system** raises the tower while preventing damage to the motor and pulley system with torque limiting clutch and circuit breaker protection.

**Freestanding and portable design** allows for rapid deployment and enables emergency vehicles to return to the station or respond to other calls while leaving the lights on site for cleanup and investigation.

## OPTIONS

LSC100™ automatic light tower control system  
Electric power extension reel and distributor box  
Six-light option (requires deletion of quartz fixture)  
Remote tripod lights  
Saf-T-Visor  
Sound attenuation  
5,000-watt lighting system  
High pressure sodium lamps



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