



Lighting Systems | Portfolio



Portable Power

Light Towers: Don't Let Darkness Stop Your Project

Light towers from Doosan Portable Power are built with the professional-grade reliability and durability you need.

Standard features across the portfolio include:

- Dependable engines that meet EPA Tier 4 emissions standards
- Weather-resistant connections for attaching floodlights
- Able to withstand a minimum of 65-mph winds with outriggers deployed and machine level
- Standard 1,000-watt metal halide lamps in cast aluminum housings for added durability and brighter and wider coverage area
- Heavy-duty axle provides trouble-free towing on road or off
- Automatic protective shutdowns for high engine coolant temperature and low engine oil pressure



Lay down mast features (LSC, LS, L6 & L8):

- Fully galvanized steel tower for rust resistance and enhanced corrosion protection
- Telescoping mast with a near 360° rotation and position lock extends from 12' – 30' with dual, hand-operated winches and automatic safety brake
- Patented tower-locking system prevents telescoping during travel

LSC

The right spec for your small-body light tower

Our LSC features a Kubota engine matched with a high output 6kW alternator, increased runtime and ease of maintenance and operation. Twelve units per 48' flatbed allows truckload maximization and cost effective transportation. For illumination of special events, road and bridge construction, emergency and disaster relief, and general construction sites, choose the Doosan LSC.

- Able to withstand 65-mph winds with 4-point outriggers deployed
- Trailer equipped standard with full running light package, 2" ball hitch, and safety chains
- Industry-leading factory warranty providing 2-year/2,000-hour bumper-to-bumper coverage
- Options include a block heater and combination hitch



LS

Rugged and reliable for rental & construction applications

- Standard combination hitch with 2.5" pintle eye and 2" ball hitch
- 6 kW output providing simultaneous light and power
- Numerous options available to customize the LS to suit any requirement or conditions while still providing class-leading sound levels



L6 and L8

Wide body design for oil and gas & specialized applications

- Internal lamp storage and belly pans standard
- High output capability of 6 kW or 8 kW
- Numerous options available for customizing your wide-body light tower



Model	LSC 60 Hz	LSC 50 Hz	LS	L6	L8	L20
ENGINE						
Make	Kubota D1005BG		Kubota D1105	Kubota D1105	Kubota D1105	Isuzu 4LE2
Emissions Tier Level	Tier 4 Final (T4F)		Tier 4 Final (T4F)	Tier 4 Final (T4F)	Tier 4 Final (T4F)	Tier 4 Interim (T4i)
Number of Cylinders/Displacement – cu in (L)	3/61.1 (1.001)		3/69 (1.1)	3/69 (1.1)	3/69 (1.1)	4/134.3 (2.2)
Power @ Rated Speed – bhp (kW) @ 1800 rpm	13.9 (11.3)		13.6 (10.1)	13.6 (10.1)	13.6 (10.1)	34.3 (25.6)
Cooling System	Water		Water	Water	Water	Water
DC System Voltage/Battery Capacity	12 V/520 CCA		12 V/600 CCA	12 V/600 CCA	12 V/600 CCA	12 V/600 CCA
Fuel Type/Usuable Fuel Capacity – gal (L)	Diesel/28 (105)		Diesel/27 (102)	Diesel/27 (102)	Diesel/27 (102)	Diesel/70 (265)
Runtime with 4 lights – hr	55	64	52	52	52	133
GENERATOR						
Prime Power Rating, 60 Hz, 1.0 PF	6 kW		6 kW	6 kW	8 kW	20kW
Available voltages – Single-Phase	120	230	120 / 240	120 / 240	120 / 240	120 / 240
RECEPTACLES (WITH INDIVIDUAL CIRCUIT BREAKER PROTECTION)						
120 V GFCI Duplex (NEMA 5-20R)	(1) 15 amp		(1) 20 amp	(2) 15 amp	(2) 15 amp	(2) 20 amp
230V IEC 309	(1) 16 amp					
230V EC 123-14	(1) 10 amp					
240 V Twistlock (NEMA L6-30R)			(1) 25 amp	(1) 25 amp	(1) 30 amp	(3) 30 amp
240 V Twistlock (CS6369)						(1) 50 amp
DIMENSIONS & WEIGHT						
Length with Drawbar – in (mm)	167.5 (4255)		175 (4445)	182 (4623)	182 (4623)	133.9 (3401)
Width with Fenders – in (mm)	49 (1245)		58 (1473)	79 (2007)	79 (2007)	77.2 (1961)
Track Width – in (mm)	42 (1067)		49 (1245)	64 (1626)	64 (1626)	65.25 (1658)
Height in Travel Position – in (mm)	69.4 (1763)		70.5 (1791)	75 (1905)	75 (1905)	95.7 (2432)
Max Tower Height – ft (m)	30 (9)		30 (9)	30 (9)	30 (9)	25.6 (7.8)
Shipping Weight – lb (kg)	1413 (640.9)	1423 (645.5)	1735 (786)	1933 (877)	2010 (912)	2700 (1224.7)
Operating Weight – lb (kg)	1569 (711.7)	1567 (716.2)	1938 (879)	2123 (963)	2242 (1017)	3200 (1451.5)

L20

Power and light in one package

Introducing the new L20 vertical light tower from Doosan Portable Power. Specifically designed for jobsites demanding the most rugged of machines, our new L20 is both dependable and durable. Standard features have been added to match jobsite specifications including 110% containment and extended runtimes while increasing operator interface ease with simple to adjust light fixtures. If you need power and light, the Doosan L20 is the perfect choice.

- Isuzu 4LE2 engine
- Single phase Leroy Somer alternator
- Hydraulically actuated steel vertical mast extends or retracts in less than 30 seconds
- Maximum height 25' 6"
- Minimum height 8'
- 110% containment frame
- Extended runtime with a 70 gallon diesel fuel tank
- Protective coating on front enclosure, curly cord cover and control panel
- Removable drawbar
- Electric brakes
- Numerous options to maximize your power and light combination



BL2000 Balloon Light

Precise illumination in a lightweight package

The BL2000 balloon light from Doosan Portable Power plugs into any three-prong, 120-volt, 20-amp outlet and provides 2,000 watts of quiet, glare-free light. Using Doosan stands with tilting grip heads accommodates various mounting devices to provide illumination where it is needed. For road paving, special events, entertainment and other applications where glare-free light is required, the BL2000 is the optimal choice.

- Automatically inflating tubular envelope and internal reflector combine to illuminate a larger area
- Cage is lightweight, but strong and protects lamps from contact with the envelope
- Suspension-mounted lamp holder provides extra protection against rough handling

Model	BL2000
SPECIFICATIONS	
Diameter – In (m)	43.1 (1.1)
Standard Plug Type	3-prong
Power Draw – amps (V)	20 (110 – 130)
Recommended Power Supply – kW-V-A	2.5-120-20
Lamps – watts	2 x 1000
Lighted Area – sq ft (m2)	15120 (1400)
Operating Height – ft (m)	7 – 24 (2.1 – 7.3)
Total Weight – lb (kg)	18 (8.2)
Inflation Time – sec	45
Wind Speed Resistance – mph (km/h)	63 (101.4)

- Automatic shutoff protects against high internal temperatures
- Uses two readily available 1,000-watt bulbs for easy replacement
- Durable storage case included

Optional Mounting Devices

Mounting devices and other parts available through the Aftermarket Department

- Pole-mount: 7' – 15' extension mounts to any equipment with locally sourced hardware
- Truck hitch-mount: 7' – 15' extension mounts directly to a vehicle's receiver hitch
- Tripod stands: 7' – 19' extension or 7' – 24' extension for stand-alone uses



Experience Doosan Portable Power and our industry-leading support and service. Whatever the job, we have the solution. From our comprehensive range of air compressors, lighting systems and generators to our rugged and reliable light compaction equipment, we have a solution to fit your needs. Running a successful business takes more than powerful equipment. That's why Doosan Portable Power partners with an experienced global dealer network to stand beside you every step of the way. Doosan Portable Power — more than 100 years of providing excellence.

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