



DOOSAN. POWERFUL SOLUTIONS.



Light Towers

DOOSAN

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DOOSAN

About Us

Doosan Portable Power has more than 100 years of manufacturing expertise and application experience with a focus on providing the highest quality machines with unrivaled customer service. Our market leading product line of portable air compressors, generators and light towers are proudly built in the USA. Doosan Portable Power is headquartered in Statesville, North Carolina, and was established in 2007 when Doosan Infracore purchased Ingersoll-Rand's Utility Equipment division.

Today, Doosan Portable Power is a subsidiary of Doosan Bobcat Inc. Doosan Bobcat is an industry leader in the engineering, manufacturing and marketing of construction equipment, and also represents the Bobcat and Doosan Heavy Equipment brands. Doosan Bobcat is committed to delivering innovative products and services that provide quality and value.



Powerful Solutions

At Doosan Portable Power, we do more than provide superior products. We deliver powerful solutions to move your business forward. Robust compressors that perform on the most demanding job sites. Generators and light towers that are reliable and efficient. Factor in our industry-leading service and support, and it's quite clear that partnering with us is a smart return on your investment.

Dependability

Our equipment is built to last with corrosion-resistant galvanneal steel enclosures and a durable, baked-on powder coat finish. Extensive testing at our Statesville, North Carolina facility includes a test track, tilt table, and cold chamber to ensure our machines will perform in the harshest conditions and applications.

Doosan is fully committed to delivering quality machines that maximize uptime and minimize downtime to give you peace of mind.

“The quality is a 10. The durability is a 10.”

-Jack Anderson, Pape Material Handling

Performance

Doosan Portable Power gives you the power you need in the most efficient manner. We provide leading fuel economy and performance while ensuring compliance with the latest emissions standards.

Doosan also offers unmatched versatility to support almost every job or application. And with user friendly controls and diagnostics, anyone can operate our equipment with minimal instruction.

“Doosan has always performed well for us.”

-Mark Grimes, Industrial Marine

Serviceability

Doosan has an extensive and knowledgeable dealer network. Our dealer-partners have a deep understanding of your business and can provide the solutions you demand.

All of our products are engineered and designed with an emphasis on accessibility to make sure routine maintenance is quick and easy to perform without having to take the machine apart.

“Parts and service are always there when we need it.”

- Mike Venuti, Meruelo Group



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 floodlight
- Able to withstand winds of more than 65-mph with outriggers deployed and machine level on standard and LED optioned light towers
- 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):

- A steel tower with 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



LSCWKUB-T4F | LSC



LSWKUB-T4F | LS



L6WKUB-T4F | L6



L8WKUB-T4F | L8



Examples of lay down mast features available on LSC, LS, L6 & L8

MODEL	KW	RUNTIME (4 LIGHTS)	RECEPTACLES
LSCWKUB-T4F	6 kW	55 hrs	(1) 120V 15A duplex (1) 240V 25A twist lock*
LSWKUB-T4F	6 kW	52 hrs	(1) 120V 20A duplex (1) 240V 25A twist lock
L6WKUB-T4F	6 kW	52 hrs	(1) 120V 15A duplex (1) 240V 25A twist lock
L8WKUB-T4F	8 kW	52 hrs	(1) 120V 15A duplex (1) 240V 30A twist lock

* Optional



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’ fla bed 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.

- Painted black steel towers internally coated to prevent rust and corrosion
- 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, combination hitch, and LED light fix ures

Model	LSC 60 Hz	LSC 50 Hz
ENGINE		
Make	Kubota D1005BG	
Emissions Tier Level	Tier 4 Final (T4F)	
Number of Cylinders/Displacement – cu in (L)	3/61.1 (1.001)	
Power @ Rated Speed – bhp (kW) @ 1800 rpm	13.9 (11.3)	
Cooling System	Water	
DC System Voltage/Battery Capacity	12 V/520 CCA	
Fuel Type/Usable Fuel Capacity – gal (L)	Diesel/28 (105)	
Runtime with 4 lights – hr	55	64
GENERATOR		
Prime Power Rating, 60 Hz, 1.0 PF	6 kW	
Available voltages – Single-Phase	120	230
RECEPTACLES (WITH INDIVIDUAL CIRCUIT BREAKER PROTECTION)		
120V GFCI Duplex (NEMA 5-20R)	(1) 15 amp	
240V Twistlock (NEMA L6-30R)*	(1) 25 amp	
230 V IEC 309	(1) 16 amp	
230V EC 123-14	(1) 10 amp	
DIMENSIONS & WEIGHT		
Length with Drawbar – in (mm)	167.5 (4255)	
Width with Fenders – in (mm)	49 (1245)	
Track Width – in (mm)	42 (1067)	
Height in Travel Position – in (mm)	69.4 (1763)	
Max Tower Height – ft (m)	30 (9)	
Shipping Weight – lb (kg)	1413 (640.9)	1423 (645.5)
Operating Weight – lb (kg)	1569 (711.7)	1577 (716.2)

* Optional

LS



Rugged and Reliable for Rental & Construction Applications

- Fully galvanized steel tower for rust resistance and enhanced corrosion protection
- 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 requirements or conditions while still providing class-leading sound levels

Model	LS
ENGINE	
Make	Kubota D1105
Emissions Tier Level	Tier 4 Final (T4F)
Number of Cylinders/Displacement – cu in (L)	3/69 (1.1)
Power @ Rated Speed – bhp (kW) @ 1800 rpm	13.6 (10.1)
Cooling System	Water
DC System Voltage/Battery Capacity	12 V/600 CCA
Fuel Type/Usable Fuel Capacity – gal (L)	Diesel/27 (102)
Runtime with 4 lights – hr	52
GENERATOR	
Prime Power Rating, 60 Hz, 1.0 PF	6 kW
Available voltages – Single-Phase	120 / 240
RECEPTACLES (WITH INDIVIDUAL CIRCUIT BREAKER PROTECTION)	
120 V GFCI Duplex (NEMA 5-20R)	(1) 20 amp
240 V Twistlock (NEMA L6-30R)	(1) 25 amp
DIMENSIONS & WEIGHT	
Length with Drawbar – in (mm)	175 (4445)
Width with Fenders – in (mm)	58 (1473)
Track Width – in (mm)	49 (1245)
Height in Travel Position – in (mm)	70.5 (1791)
Max Tower Height – ft (m)	30 (9)
Shipping Weight – lb (kg)	1735 (786)
Operating Weight – lb (kg)	1938 (879)

L6 and L8



Wide-Body Design for Oil & Gas and Specialized Applications

- Internal lamp storage standard
- High output capability of 6 kW or 8 kW
- Fully galvanized steel tower for rust resistance and enhanced corrosion protection
- Numerous options available for customizing your wide-body light tower

Model	L6	L8
ENGINE		
Make	Kubota D1105	
Emissions Tier Level	Tier 4 Final (T4F)	
Number of Cylinders/Displacement – cu in (L)	3/69 (1.1)	
Power @ Rated Speed – bhp (kW) @ 1800 rpm	13.6 (10.1)	
Cooling System	Water	
DC System Voltage/Battery Capacity	12 V/600 CCA	
Fuel Type/Usable Fuel Capacity – gal (L)	Diesel/27 (102)	
Runtime with 4 lights – hr	52	
GENERATOR		
Prime Power Rating, 60 Hz, 1.0 PF	6 kW	8 kW
Available voltages – Single-Phase	120 / 240	
RECEPTACLES (WITH INDIVIDUAL CIRCUIT BREAKER PROTECTION)		
120V GFCI Duplex (NEMA 5-20R)	(1) 15 amp	(2) 15 amp
240V Twistlock (NEMA L6-30R)	(1) 25 amp	(1) 30 amp
DIMENSIONS & WEIGHT		
Length with Drawbar – in (mm)	182 (4623)	
Width with Fenders – in (mm)	79 (2007)	
Track Width – in (mm)	64 (1626)	
Height in Travel Position – in (mm)	77 (1963)	
Max Tower Height – ft (m)	30 (9)	
Shipping Weight – lb (kg)	1933 (877)	2010 (912)
Operating Weight – lb (kg)	2123 (963)	2242 (1017)

LED Fixtures



Consider LED Fixtures for Improved Efficiency and Performance

Doosan Portable Power LED factory installed options and aftermarket retrofit kits are available for purchase and can be used on all of our current light tower models. Designed to significantly lower cost of ownership, these LED fixtures use 50% less diesel fuel compared to traditional metal halide and will perform approximately 50,000 hours. Other advantages include instant on and instant off for ease-of-operation, an industry leading 5 year extended warranty that covers the LED fixture and driver, and safety certifications for the lighting system.

Doosan is also best-in-class for wind speed resistance. All of our light towers, including our LED optioned tower, can withstand winds of more than 65-mph with outriggers deployed and a level machine.

LED Option Technical Specifications

LIGHTING

Lumens	92,000 (23,000 per fixture)
Color temperature	5000 K
Color rendering index	+70
Life @ L70	50,000 hours
Modules	4 per fixture

DRIVER

DC Voltage	30 V
Rated power	240 watts per fixture

FIXTURE

Fixture housing	Steel and aluminum
Fixture optics	Optical grade polycarbonate
Operating Temperature	-40°C to +40°C
Weight	21lbs
Input Voltage	120-277 V

BL2000 Balloon Light



Rugged and Reliable for Rental & Construction Applications

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.

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)

Optional Mounting Devices

Mounting devices and other parts available through the Doosan Aftermarket Department:

Pole Mount

7' – 15' extension mounts to any equipment with locally sourced hardware

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

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