Atlas Copco Lighting tower

A bright solution for hard work

QLT 4

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Features and benefits

New GenSmart™ Permanent Magnets Generator (PMG)

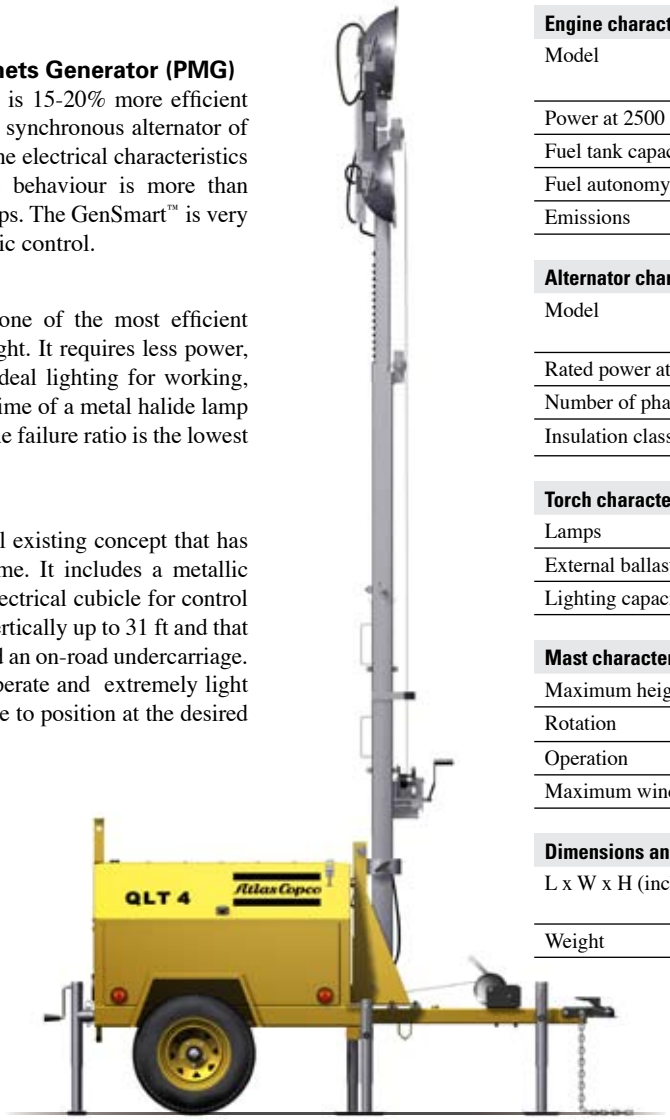
A Permanent Magnet Generator (PMG) is 15-20% more efficient and has 75% less volume than a normal synchronous alternator of the same power. Due to the design and the electrical characteristics of the GenSmart™, the output voltage behaviour is more than adequate to light up the metal halide lamps. The GenSmart™ is very reliable and doesn't require any electronic control.

Metal halide lamps

The metal halide lamp technology is one of the most efficient ways of turning electrical energy into light. It requires less power, produces more light and provides the ideal lighting for working, sport and event areas. The expected lifetime of a metal halide lamp in a normal operation is very long, and the failure ratio is the lowest of all types of lamps.

Proven concept

The new QLT 4 is based on a successful existing concept that has been used on the market for a long time. It includes a metallic enclosure with wide service doors, an electrical cubicle for control and protection, a mast that will extend vertically up to 31 ft and that can be rotated 360°, stabilization legs and an on-road undercarriage. The Lighting Tower QLT 4 is easy to operate and extremely light and manoeuvrable, making it very simple to position at the desired location for optimal work area lighting.



Engine characteristics	
Model	Yanmar 2TNV70, 2 Cylinder Diesel engine
Power at 2500 rpm	6,7 kW
Fuel tank capacity	30 US gal/113,6 liters
Fuel autonomy	85 hours
Emissions	EPA Tier 4

Alternator characteristics	
Model	Permanent magnet brushles, LE G24N1-001
Rated power at 2500 rpm	5 kVA
Number of phases	4
Insulation class	H

Torch characteristics	
Lamps	4 metal halide 1000W lamps
External ballast	No
Lighting capacity (max.)	110.000 lumen/bulb

Mast characteristics	
Maximum height	31 ft/9,44 m
Rotation	360°
Operation	Manual
Maximum wind speed	65 miles/h - 105 km/h

Dimensions and weight	
L x W x H (inch/m)	175 x 120 x 69/ 4,45 x 3,04 x 1,75
Weight	1460 lbs/662 kg (dry)

Average lighting versus distance

QLT 4 | 10m / 200 Lx | 25m / 100 Lx | 35m / 50 Lx

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