



**WACKER  
NEUSON**  
*all it takes!*

## LTW20Z1, MH

### Wide Body Vertical Mast Light Tower

wide light towers perfect for off road towing  
and far away places

The standard five-section vertical mast light tower is power actuated, extending 23 feet and can rotate 360 degrees for optimum lighting flexibility. The wide body design features a proven engine, long run fuel tank and DOT trailer lights. The light bar design creates greater flexibility in directing the four light fixtures for greater light coverage on the jobsite. Equipped with conventional 4 x 1100 Watt Metal Halide (MH) lights. The wide body vertical mast light towers are perfect for remote applications including oil and gas worksites, mining, and industrial applications.

### Technical Data

#### ■ Electrical - Output Details

Nominal current	78.00 A
Nominal voltage	120.0 V
Nominal frequency	60.0 Hz
Nominal power [P]	18.60 KW
Nominal power [S]	20.90 kVA
Power factor (cos $\phi$ )	1.00 cos $\phi$
Phase	1.0 ~

#### ■ Mechanical Details

Length	131.1 "
Width	75.6 "
Height	100.0 "
Operating weight	3,450.2 lb
Mast height max.	23.0 Foot

#### ■ Generator

Insulation class	H
Output frequency	60.0 Hz
Nominal speed	1,800.0 1/min
Voltage accuracy	1.0 %
Voltage Regulation - Steady State	0.5 %
Generator Rating 1~ (Continuous)	21.0 KW
Generator Rating 1~ (Continuous)	21.0 kVA
Generator Rating 3~ (Continuous)	36.0 KW
Generator Rating 3~ (Continuous)	36.0 kVA
Generator Manufacturer	Mecc Alte
Generator specification	AVR without Brushes

#### ■ Engine

Engine type	Diesel engine
Engine operating mode	four-stroke

Cylinder	4.0
Cylinder capacity	133.0 Inch3
Fuel	Diesel EN 590
Fuel consumption	1.6 GPH US
Tank capacity	57.0 gal US
Oil filling max.	2.7 gal US
Power rating max.	40.2 hp
Engine speed (Power max.)	1,800.0 1/min
Effective power	31.5 hp
Nominal Engine speed	1,800.0 1/min
Operating Engine speed	1,800.0 1/min
Standard (Operating power)	SAE J1995
Exhaust-gas limit	IIIB/Tier IV Final
Starter battery Voltage	12.0 V
Battery Cold-start current CCA	750.0 A
Engine Manufacturer	Isuzu
Running time at 100%	34.8 hrs

#### ■ Environment Data

Sound level LpA	71.2 dB(A)
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#### ■ Electrical System

Main Circuit Breaker Rating	80.0 A
Bulb power	1,100.0 W
Receptacle Type	NEMA SS2, TL, 125/250V, 50A

#### ■ Operating Fluids

Cooling fluid volume	13.3 qt US
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#### ■ Shipping and Storage

Length for shipping	103.5 "
Width for shipping	75.6 "
Height for shipping	100.0 "

Shipping weight

3,040.2 lb

■ **Lighting - Output Details**

Illuminance

5.0 fc