

**Mobile Communication Tower w/ Trailer - 13.5' to 30' - Antenna Mount Pole - Cell on Wheels -  
24V DC Electric Winches - (2) Job Boxes  
LM-30-3S-ATM-EW-24V-TLR-2XJB**



**Made in the USA**

The LM-30-3S-ATM-EW-24V-TLR-2XJB from Larson Electronics is a Portable Communication Tower that is a cell on wheels which provides a quick way for operators to deploy equipment for mobile communication operations. This unit features a heavy-duty mast that can be elevated to 30 feet and an antenna mount pole (located at the top of the tower). The entire assembly is mounted onto a 14' single axle trailer, allowing operators to transport this unit (folded over) from location to location. This communication tower is raised to its full height with an included 24 V DC electric winch and also includes two job boxes that allow operators to store their equipment.

**\*PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS\***

The LM-30-3S-ATM-EW-24V-TLR-2XJB is designed to allow operators to quickly and safely deploy mobile communication systems in temporary locations and remote sites. The tower can be extended to 30' above the trailer floor for maximum area coverage, and collapsed to 13.5' for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a lower section 12' in length and 4" by 4" by 1/8" thick, middle section 9.5' in length and 3" by 3" by 1/8" thick, and an upper section 8.5' in length and 2" by 2" by 1/8" thick. Each section has 1' foot of overlap.

This cell on wheels comes with an antenna mount pole (OD 2") at the top of the tower. Operators may use the trailer to store communication devices and other supporting equipment, such as cables, electronics, amplifiers, monitoring systems, cameras, handheld tools, lights and more.



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

The LM series of towers are powder coated with glossy blue finish for corrosion resistances and aesthetics. This portable communication tower is mounted to a 14' by 6', single axle trailer via six 1/2" anchor bolts. The two wheel trailer is equipped with 3,200 lb axle and leaf springs with 15" trailer tires. The trailer can

support and haul an additional 3,500 lb of equipment. A standard 2" ball coupling, two standard safety chains, and 4-pin flat trailer plug allow for easy hookup and towing.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. Four 1,000 lb hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. These outriggers can be extended 2' out from the side of the trailer for added stability. When lowered to 13.5', the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.



Retractable outriggers with 1,000 lb manual crank jacks and tail lights.

[Click Image to Enlarge](#)



Manual 1,000 lb hand crank winch for elevating and folding over the light mast on the LM-30-3S-ATM-EW-24V-TLR-2XJB.

[Click Image to Enlarge](#)



Mast support bracket for securing the mast boom in the fold-over position during transportation.

[Click Image to Enlarge](#)



The LM-30-3S-ATM-EW-24V-TLR-2XJB fitted with four HID-22-SL-REM 1000 Watt Metal Halide Light Fixtures

[Click Image to Enlarge](#)



Ready to Ship

[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

This portable communication tower assembly weighs approximately 1,200 lb and can easily support/lift 150 lb fixtures and other types of equipment. The entire tower assembly is shipped via common freight carrier or flatbed. Larson Electronics can customize these units according to customer requirements with longer sections and larger mounting plates. For example, the LM-40-4S is another model that reaches to a length of 40', with base section 11.25' in length, lower section 11.25' in length, an upper section 11.25' in length, and a top section 11.75' in length. Larson Electronics can custom build these towers to meet your overall and collapsed height requirements.

**Winch Type:** This portable communication tower is equipped with electric winches. One winch is used to lift the tower into an upright position and the second is used to raise the tower to the desired height. These winches operate on 24 V DC current.

**Job Boxes:** The LM-30-3S-ATM-EW-24V-TLR-2XJB also includes a pair of job boxes for storing equipment when it is not in use. These job boxes each measure 42"L x 17"W x 20"D.

We also offer a choice of finishing and equipped light heads. Powder coating color can be customized (the standard mast is gloss blue). Tower location on the trailer bed can be tongue mounted, front of the trailer bed, or center of the trailer bed. These towers can be fitted with Larson Electronics line of high output light heads,



or customize the mast head to meet the mounting requirements for your equipment.

**Suggested Applications:** Mobile communication services, extending site capacity, site repair, disaster recovery, emergency communications, surveillance, military, outdoor operations, remote deployment, temporary deployment, outdoor events, emergency camps, security deployment and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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**Options:**

**LM-30-3S-ATM-EW-24V-TLR-2XJB-Finish**

**Example: LM-30-3S-ATM-EW-24V-TLR-2XJB-PWDC**

Finish	
POWDER COATED	-PWDC
GALVANIZED	-GLVD



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