

## 400W Portable LED Dolly Cart Quadpod Light Tower - 7.25' to 22' - Removable Light Head - Auto Brake

**LM-DQP-22-8.8-4S-4X150LTL-50C**

**Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



### LM-DQP-22-8.8-4S-4X150LTL-50C LED Dolly Quadpod Light Tower

Lamp Type: CREE® LED

Tower Dimensions: 7.25' to 22'

Weight: -

Total Watts: 400W

Total Lumens: 54,000

Luminous Efficiency: 135 lm/w

Beam Configurations: 10° Spot, 24° Wide Spot, 38° Narrow Flood, 60° Flood, or 90° Wide Flood

LED Color Temperature: 3000K, 4000K, 5000K, 6500K

LED Life Expectancy: 80,000 hours

Optics Efficiency: 98% - PMMA High Transmittance Optics

LED Drive %: 90%

Voltage: 120-277V AC

Amp Draw: 0.84A @ 120V, 0.38A @ 240V, 0.33A @ 277V

Ambient Temperature Range: -40°C to +80°C

Materials: Die Cast Aluminum Housing, PMMA Optics

Mounting: Dolly Cart w/ (2) Rubber Tires

Operation: (1) Manual Hand Crank Winch w/ Auto Brake

Outriggers: (4) 37.75" - Retractable

Tower Cable: 3/16" Aircraft Cable

Wiring: 2.5' Pigtail w/ Flying Leads

### Quick Summary

7.25' to 22' Mast

Metal Halide Replacement

45 mph Wind Resistance

98% Transmission High Purity PMMA Optics

Multiple LED Banks for Heat Dispersion

135 Lumens Per Watt Efficiency

70% Lumen Retention after 80,000 Hours

UL1012 Compliant

UL60950-1 Compliant

CE Certified

RoHS Compliant

IP67 Rated Waterproof

2,000 sq/ft Effective Coverage

Removable Light Head w/ Quick Disconnect

### Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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**The LM-DQP-22-8.8-4S-4X150LTL-50C LED Dolly Cart Quadpod Light Tower offers 54,000 lumens of intense illumination in a portable assembly. The 2,000 sq/feet temporary lighting solution, which fully extends to 22 feet and retracts to 7.25 feet for storage, consists of four, 100-watt LED lamps. Constructed of aluminum, the LED tower features automatic braking during deployment and four outriggers for stability on rugged terrain. A quick disconnect is included allowing operator to remove the LED light head.**

The LM-DQP-22-8.8-4S-4X150LTL-50C is a portable lighting solution for outdoor locations, industrial facilities and temporary sites. This unit consists of four, 100-watt LED lamps which are mounted on a dolly quadpod cart with two rubber tires. Capable of providing 2,000 sq/ft of effective coverage, the tower can be extended to 22 feet and retracted to 7.25 feet for storage. An automatic braking feature secures the position of the mast without manual locking. Capable of withstanding 45 mph winds, the unit is supported by outriggers for stable deployment.

The LED lamps on the quadpod tower operate on 120-277V AC and produces 54,000 lumens of high intensity light while drawing only 400 watts. Each LED fixture is equipped with 9 CREE® high output LEDs producing 1,500 lumens each, which are arranged in rows and paired with PMMA high purity optics to produce a well focused 24° wide spot beam that is ideal for providing far reaching concentrated illumination while still covering a substantial amount of area. We also offer optional optics with 10° spot, 38° narrow flood, 60° flood, and 90° wide flood beam spreads. The spot beams are tightly focused and are designed for high elevation mounting to achieve distance, making spot versions ideal for high mast and spots lighting. The flood beams are designed to provide more light over a larger area nearer the fixture, making flood versions ideal for use as dedicated work and area lights. An included disconnect allow operators to remove the light head from the top of the mast to safely transport it.



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LM-DQP-22-8.8-4S-4X150LTL-50C lights are ideal replacements for fragile and hot running metal halide lamps. They offer low power requirements, high durability and a versatile mounting system that makes these LED light emitters a superior lighting solution for demanding applications where power and reliability is critical. The heavy duty design and high power of these LED lights also makes them suitable for a wide array of applications including but not limited to: high mast lighting, light towers, light plant LED retrofits, military, mining, industrial manufacturing, machine visioning, security and law enforcement, commercial structure illumination, sport complexes, billboards, race tracks, and parking lots to name a few.

**Heat Management:** Heat is the single largest factor in premature LED failure and color shifting. These LED units feature individual heat sinks per bank of six LEDs to control heat buildup rather than utilizing a single housing to dissipate heat. This allows for more thorough cooling of the LEDs for extended operating periods. This allows the LEDs to be driven at up to 90% capacity without overheating or visible loss of light output. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 80,000 hours.

**Durability:** As well as unparalleled heat control, the LED lights from Larson Electronics offer IP67 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40° Celsius to +80° Celsius, are waterproof, and resist ingress of dust, dirt and humidity. The housings are formed from die cast aluminum and the optics are high transmission PMMA with 98% light transmittance. The CREE® LEDs help these units achieve resistance to vibrations and are rated at 70% lumen maintenance after 80,000 hours of use. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

**Quadpod Tower:** The LED lamps are mounted on a dolly quadpod with two rubber tires. This system is capable of reaching heights up to 22 feet for effective coverage and collapsed to 7.25 feet for storage. The tower is constructed of lightweight aluminum and can be elevated using an included manual hand crank winch with a 3/16" galvanized steel cable. An automatic braking safety feature stops the tower from retracting without needing to lock the position manually into place. For extra stability, four retractable outriggers measuring 37.75" each can be extended in a diagonal 'X' configuration.

The entire tower assembly is shipped via common freight carrier and when shipped weighs approximately 375 lbs. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. For example, the LM-25 is a light tower model that reaches a length of 25 feet, with a 15 foot lower section, 10 foot upper section and a 4 foot wide upper mounting bracket. We also offer a choice of either the manual 1,000 lbs hand winches included standard or optional

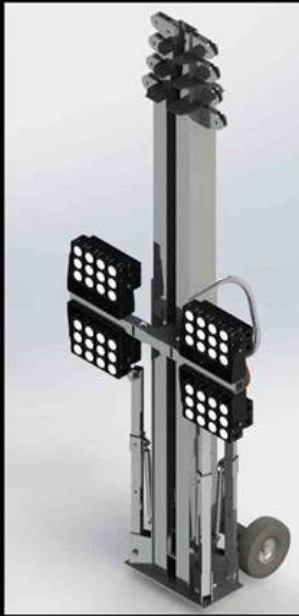
electric winches.

**Suggested Applications:** Temporary lighting, sports lighting, concerts, field lighting, outdoor conferences, stadium lighting, outdoor illumination, portable deployment, construction sites, and security camera deployment. We can equip this mast with 1000W or 1500W Metal Halide lights or a wide variety of high powered LED lights with comparable power, including the [LED10WSA-160](#), [LEDLB-200X2E](#), [LEDLB-160X2E](#) or [LEDLB-80x2E](#).



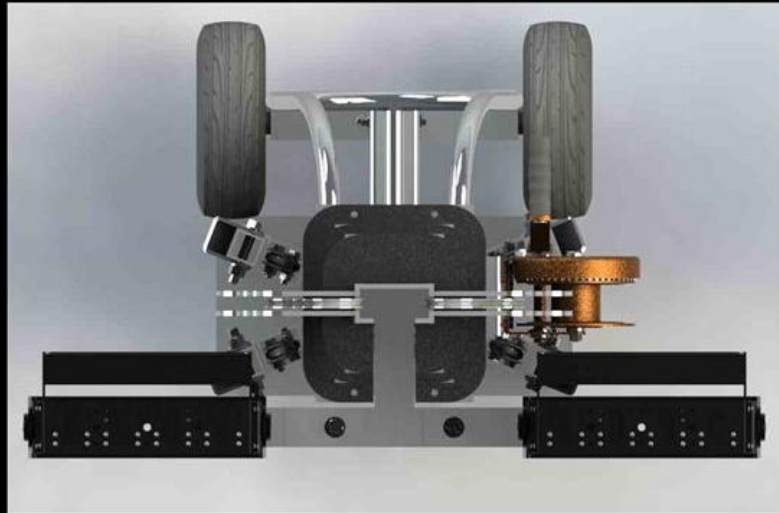
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## Frequently Asked Questions (FAQ)











**Options:**

**LM-DQP-22-8.8-4S-4X150LTL-50C-Cord Cap-Beam Config-Color Temp**

**Example: LM-DQP-22-8.8-4S-4X150LTL-50C-5.15-10SP-30K**

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
5-20 STRAIGHT	-5.20
6-20 STRAIGHT	-6.20
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
L5-20 TWIST	-L5.20
L6-20 TWIST	-L6.20
UK BS1363	-BS1363
INTL SCHUKO	-SCHUKO
PIGTAIL	-PIGTAIL

Beam Config	
10° SPOT	-10SP
24° WIDE SPOT	-24WS
38° NARROW FLOOD	-38NF
60° FLOOD	-60F
90° WIDE FLOOD	-90WF

Color Temp	
3000K	-30K
4000K	-40K
5000K	-50K
6500K	-65K

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)