

SL SERIES - LED - DC POWERED

SL442D-W1

The SL442D-W1 is a part of Command Light's most compact line of light towers. Powered by 12V DC power, this tower has a reach of 4 feet above its base (or more than 6.5 ft. with an optional 80" arm).

Four Whelen LED light heads output 35,500 lumens and its compact size make the Shadow Series a great choice for smaller apparatus or even chief vehicles and other SUV/pickup trucks.

With the simple press of a button, Shadow Series towers can be rotated 350 degrees and can be completely deployed in less than 15 seconds. A one-touch auto park feature makes stowing these units very straightforward.

Reliability is key during emergency scenes, and Command Light makes the most reliable lighting units available. Backed by an industry-leading, 5-year warranty, these light units meet or exceed all NFPA requirements, are maintenance-free and have been tested to 90 mph winds.

TECHNICAL SPECS

HxWxD (Nested):	8" x 54" x 22" - 205mm x 1,375mm x 560mm
HxWxD (Fully Upright):	55" x 36" x 22" - 1,395mm x 915mm x 560mm
Weight:	70 lbs - 32 kg
Power Requirements:	12V DC - 390w - 45 amps 24V DC - 390w - 25 amps
Lighting:	(4) Whelen Pioneer Plus PFH1B (LED) - 75w OR (4) Whelen Pioneer Plus PFH14 (LED) -75w
Output (per light):	8,875 lumens
Total Watts:	300 watts
Total Output:	35,500 lumens

OPTIONS

Backlight: Command Light's backlighting option enables the bottom row of lamp heads to rotate 180°, making it possible to light both sides of the scene.

Strobe Light: Alert oncoming traffic of the emergency scene earlier with a strobe mounted on top of the light tower. Available in green, red, amber or blue.

Controls: Optional controls include wireless, panel mount, Class 1 or V-Mux. (Standard: Remote control with 15' umbilical cord.)

Colors: Optional colors include power-coated white, red and black. Towers can be wet painted to any color. (Standard: Powder-coated gray.)

80" Arm: Get an additional 80" of reach with this upgrade.



A Shadow-RT, manufactured by Command Light, part number SL442D-W1, light tower shall be provided for installation on the apparatus. The location of the light tower and its controls shall be installed according to instructions given by the customer and the requirements of the light tower manufacturer.

The light tower shall extend 55" above the mounting surface and shall extend to full upright position in less than 15 seconds. The overall size of nested light tower shall be approximately 54" wide x 22" long x 8" high and weigh approximately 70 pounds.

LIGHT TOWER CONSTRUCTION AND DESIGN

The Command Light assembly shall be of aluminum construction, with stainless steel shafts and bronze bushings for long life and low maintenance.

The electrically controlled unit shall not require usage of the vehicle's air supply for operation, thereby eliminating the chance for air leaks in the vehicle braking system. Hydraulic or pneumatic type floodlights are not acceptable alternatives to the specified all electric light tower.

The light tower shall be tested to in wind conditions of 90 mph (150 kph) minimum. Other type floodlights that have not been tested to these conditions are not acceptable.

The light tower shall be capable of overhanging the side or back of the vehicle to provide maximum illumination to the vicinity adjacent to the vehicle for the safety of emergency personnel in high traffic conditions. Any tower that is only capable of rotations at the top of a pole is not an acceptable alternative to the specified tower.

LIGHT TOWER ELECTRICAL SYSTEM

The light tower shall be a single-stage device with lighting, capable of 350 degree rotation. The light shall be elevated by an electric linear actuator. The actuator shall adjust the light bank angle from 0 to 110 degrees.

The tower base shall have a light that illuminates the envelope of motion during any movement of the light tower mast as required by NFPA1901.

LIGHT TOWER CONTROLS

The light tower shall be controlled with a hand-held 15 foot umbilical line remote control and shall be equipped with a button to activate the "Auto-Park" automatic nesting feature. The controls on the remote box shall be:

- Two (2) switches for each 2 light banks.
- One (1) switch for optional strobe.
- One (1) switch for elevating /retracting the arm.
- One (1) switch for rotation of the light bank.
- One (1) switch to engage Auto-Park.
- One (1) indicator light to indicate when light bank is out of nest position.
- One (1) indicator light to indicate when light bank is rotated to proper center position for nesting.

CONFIGURATION

The light heads shall be mounted two (2) on each side of the light tower, giving two (2) vertical lines of two (2) when the lights are in the upright position.

WARRANTY

Command Light products* come with an industry-leading, 5-year warranty against any defects in materials and workmanship when used and operated for a period of five years. If during this time period, you have any malfunctions not related to misuse, accident, neglect, or normal wear and tear, please take the following steps in order to have your light tower serviced under Command Light's warranty.

Please make contact with us as soon as problems arise in order to execute our warranty. We must have knowledge of the issue and a work order in place in order to pay or reimburse the department with the issue. Any unauthorized service voids this warranty. (No work is authorized until the call is made to us)

*Excludes light producing components (bulbs, lasers, LEDs) These components come with their own manufacturer warranty. Contact us and we can help get it.

WARRANTY PROCESS

1. Contact us immediately for initial diagnosis and parts if needed at 800-797-7974 or info@commandlight.com.
2. You will need to have immediate access to light tower. This process can be done by individuals with little mechanical ability. (involves pushing buttons and telling us what the light tower is doing or not doing).
3. We then send parts (if needed) and have a technician dispatched (if needed) with a written work authorization number and a base amount of hours allotted to do repair.
4. We remain available for service support via phone, email, or video conference while technician completes repair, also to extend original time allotted if additional issue arise.
5. Mark repair as completed and validate the work authorization number for hours of labor / travel rates as agreed during diagnosis.
6. Finally, we will pay out or credit the invoice when we receive it from person/company performing the repair.