

KL SERIES - LED - DC POWERED

## KL415D-FS

Command Light's KL415D-FS is a mid-size LED light tower that provides reliable scene lighting to any situation. These towers are extremely stable, yet more compact than the CL Series. They lay flat with a smaller footprint at only 47" for smaller to mid-size apparatus, or larger trucks with limited space.

With the simple press of a button, the Knight Series towers can be positioned to endless positions — all within 15 seconds. All positions can be achieved with speed and precision, including the unique "street light" position, creating even light with no shadows all the way up to the edge of your apparatus, making a safer environment for personnel. A one-touch auto park feature makes stowing these units very straightforward.

This light's 12V DC powers four FRC LEDs output up to 80,000 lumens. This power, paired with a versatile tower with a reach up to 7.25', makes the Knight Series a great solution for any apparatus.

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):        | 12" x 47" x 34" - 305mm x 1,195mm x 865mm     |
| HxWxD (Fully Upright): | 87.5" x 52" x 34" - 2,225mm x 1,320mm x 865mm |
| Weight:                | 165 lbs - 75 kg                               |
| Power Requirements:    | 12V DC - 1,000w - 84amps                      |
| Lighting:              | (4) FRC Spectra (LED) - 220w                  |
| Output (per light):    | 20,000 lumens                                 |
| Total Watts:           | 880 watts                                     |
| Total Output:          | 80,000 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.)



A Knight2, manufactured by Command Light, part number KL415D-FS 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 87.5" 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 47" wide x 34" long x 12" high and weigh approximately 165 pounds.

## LIGHT TOWER CONSTRUCTION AND DESIGN

The light tower 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 two-stage articulating device with a lighting bank on top of the second stage capable of continuous 360-degree rotation. The light shall be elevated by electric linear actuators, one (1) actuator shall elevate the lower stage and one (1) actuator shall adjust the light bank angle from 0 to 110 degrees. Power for the light bank shall be supplied through power collecting rings thus allowing continuous 360-degree rotation in either direction.

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. The storage station for the remote control unit shall be equipped with a button to activate the "Auto-Park" automatic nesting feature. The controls on the remote box shall be:

Two (2) buttons, one (1) for each light bank.

One (1) button for optional light bank rotation.

One (1) button for optional strobe.

One (1) button for lamp tree rotation.

One (1) button for elevating lower stage.

One (1) button for elevating upper stage.

One (1) indicator light to indicate when light is out of roof nest position.

One (1) indicator light to indicate when light is rotated to proper nest position.

## 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.