


# RITELITE – SUPALITE K9 30 LED PORTABLE WORKLIGHT

## OPERATION - QUICK START

Although the K930ALED is full of features it is still simple to use. When the unit is packed down in torch/storage mode the  (on/off) switch is recessed to prevent accidental switch on, yet is still accessible to the user when needed.

Press once to switch on and again for off. Whenever the unit is first switched on it will default to the 100% brightness setting regardless of how the unit was last used. At switch on you will hear a bleep from the unit to signal all is well, the battery status LED, near to the on/off switch, will illuminate to show the units state of charge.

**Always** remember to put your K9 30 LED on charge after use to prolong the life of the high capacity rechargeable battery.



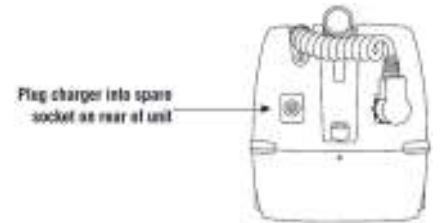
## CHARGING YOUR K9 30 LED

Whichever Ritelite SLA battery charger you have selected to recharge your K9 30 LED, it was designed to be left connected indefinitely to the battery unit so your lighting product is always topped up and ready to use. Your K9 30 LED can be charged and run at the same time; this may be useful when using the light as an emergency back-up should the mains power fail.

**It is good practice to always put your K9 30 LED light back on charge even when used for short period of time. Leaving the unit partially or fully discharged will have an adverse effect on the longevity of the battery life/performance.**

All the chargers supplied show a combination of lights to indicate each stage of the charging process. For more details on charging, please see the separate instructions included with the charger.

**NOTE - always charge your K9 30 LED in a dry, well ventilated environment.**



## USING YOUR K9 30 LED



The K9 30 LED can be set up in two basic modes. Torch mode allows the user to carry the unit with the extension arm and head folded down and locked in position.

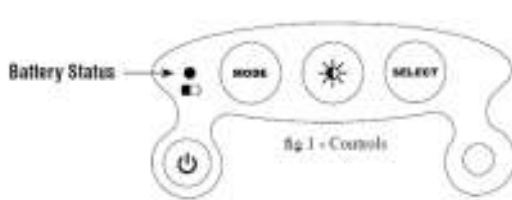
Worklight mode allows the user to site the unit in a suitable position on the ground or on a platform where the extension arm can be swung up and locked into position. The height of the extension arm can then be adjusted by lifting up the locking lever on the extension arm clamp and moving the light head up or down to the desired position. The locking lever can then be clicked back in to place to hold the position. The light head can be turned in either direction and the angle can be adjusted using the clamping handle. The button on the clamping handle allows the user to park the handle at a particular point, this may be useful to increase or decrease the frictional force applied to the light head when held in position.


Twin sockets - either socket can be used to charge and/or run the K9 30 LED light. In addition two light heads can be run simultaneously, or additional 12V equipment such as a phone charger can be powered. Please contact your supplier for further details.


To use your K9 30 LED make sure the plug from the light head is inserted into either of the two sockets on the battery unit, the red locking ring on the plug should then be turned clockwise to prevent the plug from being accidentally pulled out. Your K9 30 LED is designed to work in a harsh environment from low to high temperatures. While high temperatures can have an adverse effect on LEDs this unit has been designed to counteract this if ever the situation arose. A temperature sensor monitors the LED light engine output and adjusts the power output accordingly, but still maintains a slightly reduced light output.


## OPERATION - ADVANCED FEATURES


To use the unit simply press the on button and the light will come on to 100% power/brightness and is ready for use. To additional buttons listed below allow other features to be accessed.



















 (Button 1) = ON/OFF

 (Button 2) = MODE - Flashing, SOS, Alternate flashing (between inner & outer LED arrays).

 (Button 3) = BRIGHTNESS - 100%, 125%, 8%, 25%, 50%, 75%.

 (Button 4) = SELECT - Inner, outer, both inner and outer LED arrays.


-  (Button 1) – Used for switching the unit either ON or OFF. Note that after switching off, allow a few seconds before switching back on to allow the system to shut down and restart as it checks its battery status.
-    (Button 2/3/4) – Used to put the light into different profiles as listed above. Switch on the unit  (button 1), select a mode  (button 2), then select brightness  (button 3), and next select a channel  (button 4) as required.
- In addition you can mix and match modes between the two channels, for example you can switch ON  (button 1), select a brightness  (button 3), select a channel  (inner for example, button 4) then select a mode  (button 2, SOS second press). Next select a channel  (button 4, outer for example), then select a mode  (button 2, flashing or static) then select the channel  (button 4) to bring both channels on to create different light options.
- Pressing and holding the  (brightness) button allows dimming up and down regardless of what brightness mode the unit has been set at.

## Light management

The unit features a retractable vari-focus system to allow a tight focused spot beam through to a fully diffused flood of light so any working environment can be catered for. Use the two control knobs together to move the diffuser blind up and down in front of the LEDs, as the blind gradually passes over the LEDs you'll notice the projected light pattern change.



## SOS Mode

The unit may be set to flash the LEDs in the SOS sequence if the need ever arises. To do this, switch on, select the power level  (brightness) you wish to use (8%, 25%, 50%, 75%, 100% or 125%) then press the MODE switch once, pressing the SELECT button allows the inner, outer or both channels of LEDs to be run.

## Flashing Mode

The unit may be set to flash the LEDs to provide a warning to other. To select this option first switch on, select a power level you wish to use (8%, 25%, 50%, 75%, 100% or 125%) then press the MODE switch once, pressing the SELECT button allows the inner, outer or both channels of LEDs to be run.

## Battery Status Indication

A low battery warning with cut-off function is included in your K9 30 LED to help prevent deep discharging the high performance cyclic SLA battery. Deep discharging can lead to reduced battery performance and life. **Note – this isn't a failsafe to prevent damage; the battery must be recharged after use within 24 hours regardless of how long it has been run.**

The user is signalled to help pre-warn of the amount of energy left in the battery able to run the LED light in 3 ways: 3 colour LED, audible bleeper and flashing of the LEDs on the main panel. As the fully charged battery discharges, the indicator LED (located next to the ON/OFF switch) will show green.

As the battery discharges further, this indicator LED will change from green to amber. At this point the unit will give an audible bleep and blink the main LEDs once to alert the user that a stage has been reached in the discharge process.

The next change is when the LED indicator changes from amber to red; here again the user will hear an audible bleep and see a blink of the main LEDs to signal another change nearer to the end of battery duration.

Finally the indicator LED will change from constant red to flashing red; where upon the lamp brightness will default from and of the power settings down to 25%, the bleeper will then sounder every 30 seconds and at the same time the main LEDs will blink at once. This process will continue until the battery voltage falls to a point where the unit will automatically switch off. This process will give users adequate time to retreat to an area of safety without being left in the dark.

The light should not be switched back on until the battery has been recharged to prevent deep discharge and possible irreversible damage to the battery.

**Performance**

The SLK930ALED uses 30 high power LEDs to produce a crisp white light ideal in a working environment. To efficiently harness and project the light, this unit has a bespoke lens array with the addition of an infinitely variable focusing system. In addition, conscious of the lack of an infinite power source, the manufacturer has developed a market leading LED driver system to ensure very little energy is wasted with the majority being converted to light to give a better, brighter light for longer.

**Stability**

The unit features a pair of fold-out stability enhancing legs that allow the unit to become an effective tripod system without the need to carry additional equipment.



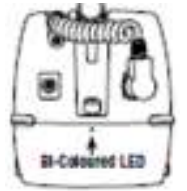
**Height**

Additional height can be achieved with the optional four quicklok extension poles. This extends the height of the light head from 820mm to 1800mm. These uniquely designed interlocking poles allow a very simply but unjamable system that can be quickly deployed yet store conveniently in the base of the K9 30 LED when not needed. Simply slot and twist the poles together to create a quick extension pole system. With the in-built stability legs, this creates a unique compact self-contained tripod system.



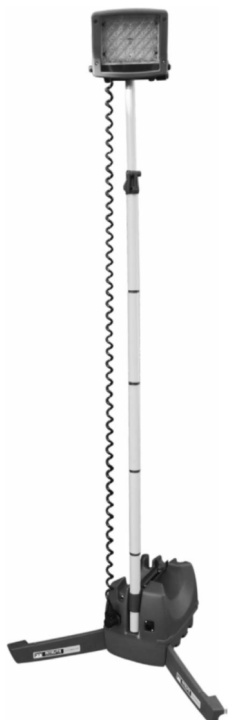
**On board charging**

An optional built in charging system can be added to allow full automatic charging from any 12 or 24 volt vehicle. A single bi-colour LED gives full indication of the charge process. In addition, the charger benefits from a vehicle battery protect mode to prevent over discharge of the vehicles primary batter. The in-built charger has a temperature monitor to accurately measure and control the charges to the high performance cyclic battery. This means that whether the unit is charged in a hot or cold environment the battery is always charged to 100% to stop the reduced effects on performance associated with less advanced charging systems.



**Accidental Overload Protection**

The K9 30 LED has an in-built M.C.B (Miniature Circuit Breaker) which allows you to easily reset if overloaded. This prevents accidental overloading of the wiring if a high load is placed on either of the outlet sockets. If the M.C.B is tripped, the button on the rear of the unit will pop out from its housing. Check the cause of the problem then simply press the button home to reset the circuit breaker.



**Construction**

The K9 30 LED has been constructed using high quality materials to produce a tough, long lasting product for the professional user. High impact engineering polymers combined with stainless steel fittings ensure the K9 30 LED is impervious to everyday knocks and bangs. The K9 30 LED employs an internal steel chassis to retain the battery. This construction makes the K9 30 LED a very strong, robust unit; giving reliability throughout the K9 30 LED's life.

**RUN TIMES**

There are six brightness setting: 8%, 25%, 50%, 75%, 100% and 125%. These mainly serve to allow extended battery duration where needed. See below for approximate run times:

Brightness setting	Approximate run time
8% (Find me mode)	5 days
25%	33 hours
50%	16 hours
75%	11 hours
100% (Default mode on switch-on)	8 hours
125% (Boost mode)	* See note below

\* The 125% setting gives a 10 minute boost of light, and will then drop back to 100% automatically

## **STORAGE**

If the K9 is to be left unused for an extended period of time or the unit is to be put into storage, we advise you fully recharge the battery and disconnect the light head plug from the battery unit to prevent any accidental switch on. The unit can then be stored for up to 6 months without having to recharge.

## **MAINTENANCE**


Your K9 LED should need little or no maintenance during its life span other than periodic cleaning of the exterior surfaces where it is suggested using a light detergent and water to sponge off any dirt deposits. Should you encounter a problem then please contact your supplier for technical assistance. It is suggested the unit be returned to your supplier for any problems that can't be rectified by telephone. Please note, there are no user serviceable parts inside and that a competent person must carry out any repairs.

## **TROUBLESHOOTING**

### **1. LIGHT DOESN'T POWER UP WHEN (BUTTON 1) IS PRESSED**

- a. Is light head plug inserted all the way? Make sure the plug is fully inserted and locking ring turned clockwise.
- b. Is the battery charged up? Recharge the battery fully.

### **2. LIGHT COMES ON BUT FLICKERS WHEN (BUTTON 1) IS PRESSED**

- a. Incompatible battery fitted in K9 base unit. Only use approved replacement batteries available from your supplier.
- b. Battery to light head communication fault. Press  (button 1) off then on. If problem still persists, unplug the light head completely for 2 minutes then replace plus and retry

### **3. THE EXTERNAL BATTERY CHARGER WON'T CHARGE THE BATTERY**

- a. Is charger plug inserted all the way? Make sure the plug is fully inserted and locking ring turned clockwise.
- b. Has battery been left completely flat for an extended period of time? Contact your supplier for technical assistance.

### **4. THE INTERNAL (VEPAC) CHARGER LED SHOWS A RAPIDLY FLASHING AMBER**

- a. This is a fault indication. The charger has timed out after 18 hours because it can't recharge the battery. Replace the K9 30 LED battery with the approved type: SLK930DB replacement SLA battery.