

# KNIGHTLIGHT

October 2004

## KS5008 8 LED CHASER LIGHT

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### General Description

The KS5008 Chaser Light is an ideal kit for model car makers or to create a Cylon effect in a fancy dress outfit. Kits available in Red or, Amber. Can be powered via a 9V PP3 battery, the plug in connection is supplied.

Unlike many other LED lights this light has a unique fading effect. The fading trail effect uses pulse width modulation technique to create the 32 different shades of brightness. The light is controlled from a 1 million instruction per second RISC processor. The entire light is one compact unit.

### Features

- ◆ Fading trail effect
- ◆ Refresh rates in excess of 4000Hz
- ◆ Can be switch between two patterns

### Applications

- ◆ K.I.T.T. Model replica
- ◆ K.A.R.R. Model replica
- ◆ Cylon outfit

### Operating Ratings

Voltage Input 6V - 20V DC  
Temperature 0c to +60c

Supply current < 100mA

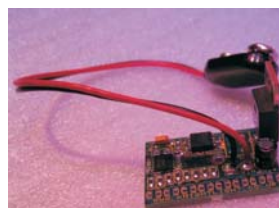
### Configuration Options

KS5008 c

c	Colour
r	= Red
g	= Green
b	= Blue
a	= Amber
w	= White

## Whats in the Kit

1 x PCB assembly, fully assembled the same as photo.



X 1

8 x LED's 3mm diameter choice of Red, Yellow, Green, Blue or White



X 8

1 x Slider Switch



X 1

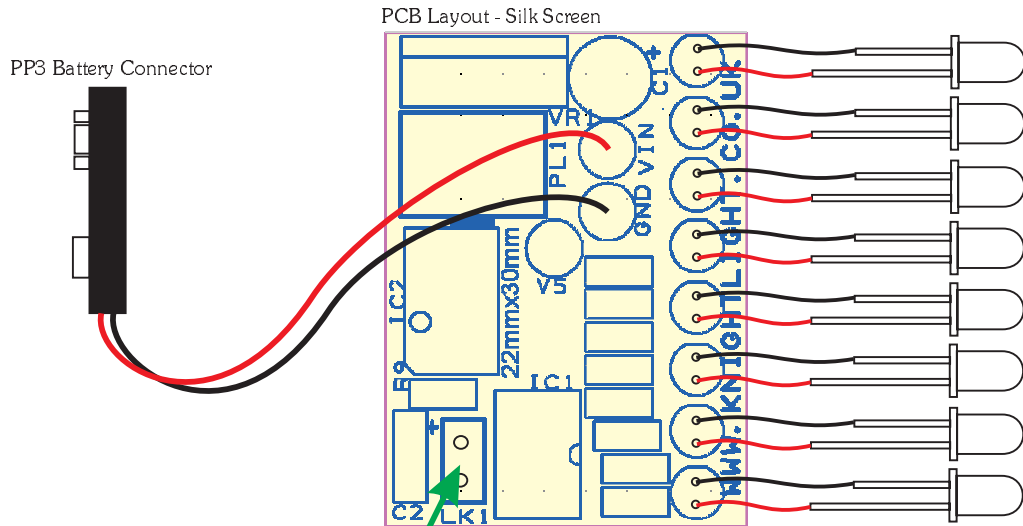
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Short leg of LED must go to where the black lines indicate.  
Red lines indicate 5V this is a common connection to all LED's.

### Mode Selector

Leave link open for single moving light operation like K.I.T.T  
Close the link for dual moving light operation like K.A.R.R  
Closing the link can be done with soldering a bit of wire across the two pads.

The LED's do not come fitted to the board as many customers require the LED's to be fitted away from the circuit board.

