

# LED CHASERS PLUS 8 LED PATTERN GENERATOR PART NUMBER 8LED-1C

This chaser board produces multiple patterns and is controlled by a single momentary button. The auto power-off after 15 minutes or requested time allows you to set it and forget it worry free of battery power drain.

## Single Button Operation:

Five functions triggered by the length of time control button is pressed.

1. Tap once to change patterns.
2. Press, hold for 0.5 seconds until **2 LEDs start flashing**, release. Unit will power off.
3. Press, hold for 1.0 seconds until **3 LEDs start flashing**, release. Unit will toggle between Continuous and Cycle mode. Continuous repeats the current pattern. Cycle runs all the patterns 3 times each.
4. Press, hold for 1.5 seconds until **4 LEDs start flashing**, release. Unit will toggle between Bright and Dim mode. Bright mode is the default. Dim mode lowers the brightness level.
5. Press, hold for 2.0 seconds until **5 LEDs start flashing**, release. Unit will toggle between Enable/Disable Auto Power-off mode.
6. Double Tap at any time to change from Speeds 1 to 9. Speed 5 is the default.

Pattern and Mode settings are retained even after power removal.

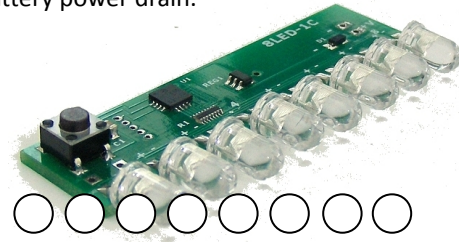
## POWER:

Unit functions from 3v to 12v DC input and is voltage regulated from 3.6v to 4.0v.

Supply	3v to 12v DC		
Current	10ma to 130mA (pattern dependent) 10mA average		
Battery Options	4-AA case 300+ hours	9v battery 150+ hours	External power source: Unlimited hours

## LEDS / Board:

- Lens Styles = 5mm, 3mm, 1.8mm, 4mm to 2mm (SMT) Surface mount
- Board = 15.6 x 60.0 (mm) // 0.61 x 2.36 (in)



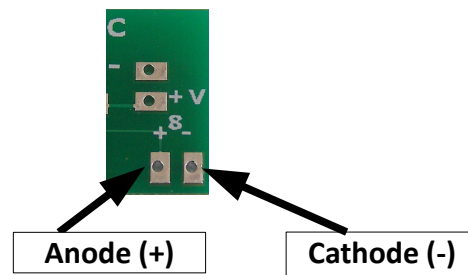
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**LED INSTALLATION:**

1. Grip the LED and bend the leads down flush with the epoxy body at 90 degrees.



2. Insert the LED into the holes on the board. Align the negative (-) lead with the negative pad. Solder the leads now or cut to board thickness then solder.



3. Connect external button control to pads under SW1. Use a single pole single throw momentary button.

Connect external power to pads (-) and +V.

