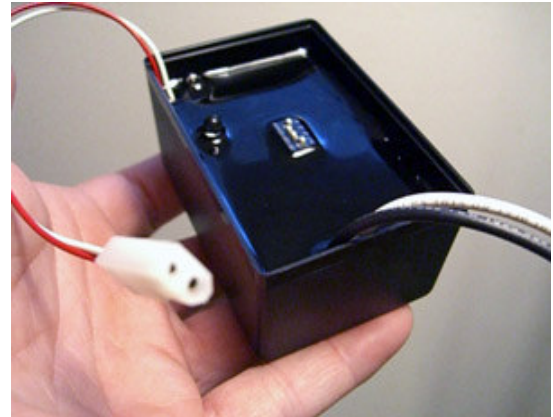


New 60% Brighter White Lightning LED Strobe

The *White Lightning* when used together with a Red traffic signal can enhance the safety at vehicular intersections. This combination will get a driver's attention faster than using a red light alone. The driver will be able to see and react much sooner than he normally would. It also aids in alerting drivers to a Red traffic signal in fog or other bad weather conditions. It can also be used across yellow warning signals.



The *White Lightning* is a narrow 0.7" x 11.25" bar with six high power white LED's. It is provided pre-mounted in a standard 12" signal head visor mounted horizontally (Vertical mount optional). The control unit power supply fits inside the signal head. Various flashing patterns can be selected from the control unit.



White LED Bar Specifications

(6) six White LED's with Optics on PCB
Compact Control / Power Module

Total Luminous Flux = 600 lumens.

Optical Characteristics **per LED** @ 350mA (T_j = 25°C):
Dominant Wavelength¹ (Color Temp²) = 6500Ktyp.
Total Included Angle³ (with optics) = 15 deg.,
Typical Luminous Flux (lm) = 100.

Electrical Characteristics **per LED**

Forward Voltage = 2.79min, 3.42typ, 3.99max.

Average & DC Forward Current 350mA max.

Voltage Requirement to PCB = 9-12 vdc @ 600mA Max.,

* Must be current limited *

Operating Temp = -40 to +80 deg.C



**** Caution : The LED light output is strong enough to injure the human eye. ****

Now available from :

NOVA TECH, 184 Goose Lane, Tolland, CT 06084, Phn 860.871.4180, Fax 860.871.4187

Precautions should be taken not to look at the light source in close proximity.

RC Strobe Power Supply

Input Voltage : 110 VAC @ 60 Hz. (BLK & WHT-18awg)

0.04 Amp, 2 Watt, 4VA.

Option : 12-24 VDC (RED & BLK - 18awg)

Output Voltage : 12 VDC pulse.(RED/WHT-22awg)

6 Watt Max.

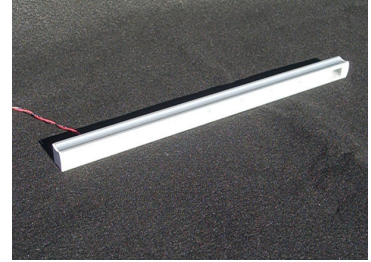
Indicator LED on output.

4 pos DIP flash selector switch.

Dim. : 3”L x 2”W x 1.5”D

Velcro Tape provided for mounting.

Epoxy Sealed for harsh environments.



Pulse rate is variable by BCD coded DIP switch as follows :

0 = 1 pulse	4 = 5 pulse SLOW
1 = 3 pulse SLOW.	5 = 5 pulse MED
2 = 3 pulse MED.	6 = 5 pulse FAST
3 = 3 pulse FAST	7 = repeats 1-3-1-3



WARRANTY

We warranty our product for 1 year under normal use. This excludes damage due to natural occurrences such as lightning strikes, electrical surges or flood or hurricane damage.

Optional :

Also Available in the following light output colors and/or DC Input operation-

GREEN Led	@ 530 nm typ.	Ⓞ	Green Lightning
AMBER Led	@ 590 nm typ.	Ⓞ	Amber Lightning
RED Led	@ 625 nm typ.	Ⓞ	Red Lightning
BLUE Led	@ 470 nm typ.	Ⓞ	Blue Lightning

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Strobe Lights and Epilepsy Facts

Epilepsy is a hidden condition that affects over 2 million people. For about 5 percent of those with epilepsy, exposure to flashing lights can trigger seizures. This is known as photosensitive epilepsy. Televisions, video games, computer monitors and strobe lights may trigger seizures. Generally a rate of 5 to 30 flashes per second (continuous) could trigger a seizure. Emergency vehicles and in this case the RC Strobe are used outdoors where background light is generally greater than the intensity of the light source. Also distances from the source to the viewer are usually very large. The *Epilepsy Foundation of America* has concluded that the likelihood of such lights triggering a seizure is very low. The RC Strobe, when set at its fastest rate, flashes at 5 pulses. This is below the 5 to 30 flashes per second that could trigger a seizure. Also we have provided either 1, 3 or 5 pulses with an 800 millisecond break between pulses.

For More information on this subject please consult the following :

American Epilepsy Society, www.aesnet.org
Epilepsy Foundation of America, www.efa.org

Notes :

1. Dominant Wavelength is derived from the CIE 1931 Chromaticity diagram and represents perceived color.
 2. CRI (Color Rendering Index) for white LED type is 70. CCT \pm 5% tester tolerance.
 3. Total angle at which 90% of total luminous flux is captured.
- All data on optical characteristics has been supplied by Lumileds Lighting, LLC., San Jose, CA.

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