

# 45 Watt RGB LED Illuminator

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## Description:

Our 45 Watt Illuminator was created to provide a powerful alternative for lighting applications where low voltage and brilliant colors are required. Control via an ir remote and includes solid color, color washing & color change effects. As it cycles through the color wash effect, you can pause it on your favorite shade of color. Holds up to 400 .75mm fibers.



## Features:

- High efficiency LED light source
- Ultra compact form factor
- Full spectrum of colors without use of color wheel
- No electricity or heat at illumination point

## Applications:

- Ambient lighting down light applications. Simply add lenses to the end of the stranded fibers and you've created a super efficient replacement for 3-4 40-50 watt bulbs.
- Architectural Lighting Applications: Light more than 50 ft of solid core fiber with neon like color! Illuminate up to 100 ft by pumping the fiber from 2 sides.
- Under Cabinet Lighting for residential and commercial uses.
- Entertainment Lighting.



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## Operation Manual



### 1. SAFETY FIRST

#### When using this machine:

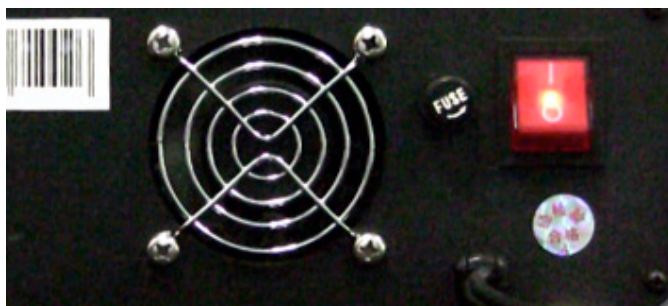
Please make sure the correct supply voltage is used.

The product should not be demolished to avoid danger.

This machine is **NOT** waterproof, please keep dry.

#### **Machine must have ventilation.**

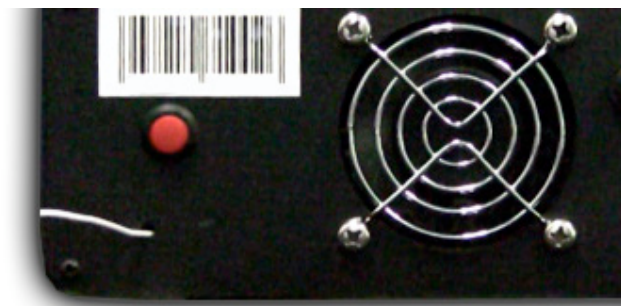
Do not use in an enclosed environment.



### 2. POWER CORD

#### Plug the power cord in to an appropriate outlet.

Turn the power on to the light engine by switching the power switch to the "I" position. The "O" position is off.



### 3. OPERATION BUTTON

#### When pushed the red button on the back will change the mode the light engine is in.

If the light engine is in color change mode (red, green, blue etc) push button quickly (you will hear a beep) to stop on desired color in the color change mode.

To go from one mode to the other: (color change to color fade) hold red button down until beep.

If the light engine is in color fade mode (red fade to green, green fade to blue etc) push button quickly (you will hear a beep) to stop on desired color in color fade mode.

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### Remote Control:



### 4. BUTTON FUNCTIONS FOR THE REMOTE:

- On the remote you will see the letters A,B,C,D. Here is what each of them do.
- A is Color Change. The colors will jump from Red, Green, Blue etc. to White then back to Red. (Color Hopping)
- B is a Continue button. After you push (D) to pause on a certain color you can push (B) and it will continue the color cycle on Color Change or Color Fade. Which ever one you had it on.
- C is Color Fade. The colors will fade from Red to Green to Blue etc. to White then back to Red. (Gradient Colors)
- D is the Pause button. If you would like to stop the illuminator on a certain color while in Color Change (A) or Color Fade (C) push the D button and it will stop on that color.



### 5. FIBER CONNECTION

Insert fiber into coupler and cut the ends off with a hot knife or sharp knife then polish. Insert coupler into coupling head on illuminator and fasten set screw.

### 6. PARAMETERS TABLE

	Dimensions	Weight	Voltage	Power	Temperature	Coupling Caliber	Quantity
	6.5x6.5x1.5 Inches	1.4 lbs	110v~265v 50Hz~60HZ	16w	-10~40°C	20mm	0.75 500 Root
	6.7x3.7x2 Inches	1.8 lbs	110v~265v 50Hz~60HZ	32w	-10~40°C	20mm x 2	0.75 1100 Root
	12x8x3.2 Inches	9 lbs	110v~265v~220v 50Hz~60HZ	45w	-10~40°C	30mm	0.75 1200 Root

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Rear View



Remote Control:

