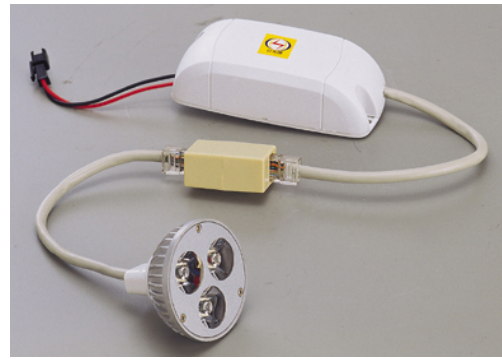




## SCL-805



### I. DESCRIPTION

SCL-805 is MR-16 RGB bulb with controller. It's simple and easy to operate. User can use the IR remote controller to change the color and the brightness of this RGB LED bulb. There are 6 color-exchange programs which have been built inside, and it also offers single color. And the brightness of R, G, and B also can be adjusted individually.

On the hardware, we have used the high power switch driver for LED Control directly. It is very convenient for the users.

### II. FEATURE

- Support IR-remote control interface ◦
- R、G、B brightness can be adjusted individually, and auto-save the setting ◦
- Built-in six LED dynamic programs; dynamic mode can be set Fade/Jump and changed the dynamic speed.
- Real Audio Synchronized color LED Control.

### III. APPLICATION

- Entertainment Lighting
- Architectural Lighting
- Landscape Lighting
- Household Lighting
- Boutique Lighting

### IV. INSTRUCTION OF IR REMOTE CONTROL



POWER

: Turn on/ turn off.



PAUSE

: In the P1 ~ P6 program, the suspension of the function. Press once to pause, and then one for the restoration of the original action.



FADE/JUMP

: In the P1 ~ P6 program, the switch changes or the color change of the mixed mode hopping. Press once to jump, and then once mixed variable, and so on.



SPEED

: Under the P1 ~ P6 program, to adjust the LED color mixing of the speed of change or transition. A total of 24 speed levels to choose from.



BRIGHTNESS

: Used to adjust the LED brightness adjustment. A total of 16 levels could be available.



: Set a constant LED to be full bright red light.



: Set a constant LED to be full bright green light.



: Set a constant LED to be full bright blue light.



: Set a constant LED to be full bright orange light. Red 100 %, green 50% °



: Set a constant LED to be full bright yellow light. Red 100 %, green 100% °



: Set a constant LED to be full bright indigo light. Green 100 %, blue 100% °



: Start the audio synchronized mode.



: Set a constant LED to be full bright white light. Red100 %, green 100 %, blue 100% °



: Set a constant LED to be full bright purple light. Red 100 %, blue 100% °



: Individual adjustments for the single red light brightness. There are 16 levels in total.



: Individual adjustments for the single green light brightness. There are 16 levels in total.



: Individual adjustments for the single blue light brightness. There are 16 levels in total.

**P1**

: Mixed transition or jump of the program 1. Red100 % → Red100 % + Green100 % → Green100 %  
→ Green100 % + Blue100% → Blue100 % → Red100 % + Blue100% → Red100 % ...

**P2**

: Mixed transition or jump of the program 2. Red100 % → Red100 % + Green50 % → Red100 % +  
Green100 % → Red 50 % + Green100 % → Green100 % → Green100 % + Blue50%  
→ Green100 % + Blue100% → Green50 % + Blue100% → Blue100 % → Red50 % +  
Blue100% → Red100 % + Blue100% → Red100 % + Blue50% → Red100 % ...

**P3**

: Mixed transition or jump of the program 3. Red100 % → Green100 % → Blue100 %  
→ Green100 % → 紅 100 % ...

**P4**

: Mixed transition or jump of the program 4. Red100 % → Dark → Red100 % + Green100 % → Dark  
→ Green100 % → Dark → Green100 % + Blue100% → Dark → Blue100 %  
→ Dark → Red100 % + Blue100% → Dark → Red100 % ...

**P5**

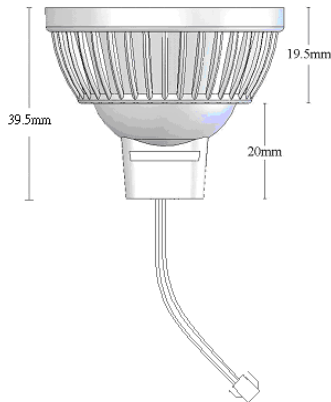
: Mixed transition or jump of the program 5. Red100 % → Red100 % + Green100 % → Green100 %  
→ Green100 % + Blue100% → Red100 % + Green100 % + Blue100% → Blue100 %  
→ Dark → Red100 % + Blue100% → Red100 % ...

**P6**

: Mixed transition or jump of the program 6. Red100 % + Blue100% → Dark → Red100 % + Green100  
% → Dark → Green100 % + Blue100% → Dark → Red100 % + Blue100%



## V. DIMENSION



## III. SPECIFICATION

- Operating Voltage: 100V-240V 50/60 Hz
- Bottom base: PC, flammability: V2 level
- Heat sink: Aluminum alloy appearance, 55~65°C after heat balance ( $T_j = 25^{\circ}\text{C}$ )
- Operating Temp. : -10~40 °C

POWER	Led	LUMI	BEAM ANGLE	COLOR	PART NO.
5W	1W R*1		30° or 15°	Red	SCL-805 (5W RGB MODULE)
	1W G*1		30° or 15°	Green	SCL-805 (5W RGB MODULE)
	1W B*1		30° or 15°	Blue	SCL-805 (5W RGB MODULE)

## PHOTOMETRIC

Ambient Operating Temperature,  $T_j = 25^{\circ}\text{C}$

Color	Dominat Wavelength		Half-Width (nm)
	Min. (nm)	Max. (nm)	
Red	620	630	25
Green	520	530	35
Blue	460	470	25