

LED LIGHT ENGINE RGBW 32W BLUETOOTH APP CONTROL+1

SKU: O2020203-006

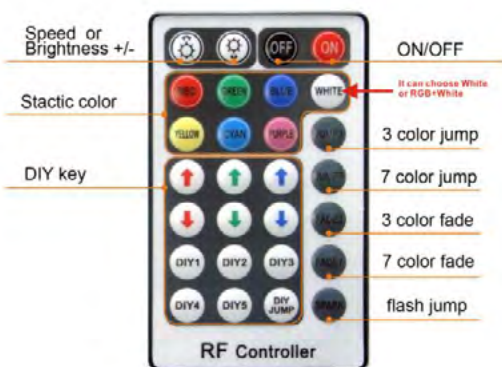
DATASHEET




GENERAL INFORMATION

MATERIAL:	Aluminium
DEVICE COLOR:	Black
LIGHT SOURCE DEVICE DIMENSIONS (W×H×L):	95 × 55 × 150mm
NET WEIGHT:	680g
GROSS WEIGHT:	750g
FIBER HEAD INNER DIAMETER:	13-20mm
REMOTE CONTROLLER:	RF
REMOTE CONTROLLER DIMENSIONS (W×H×L):	85 × 52 × 7mm
INPUT VOLTAGE:	AC86-265V
POWER:	32W
LED:	RGBW LED
COLOR:	RGBW
LIFE TIME:	50000 hours
WARRANTY:	2 years
ORIGIN:	PRC

LED LIGHT ENGINE RGBW 32W BLUETOOTH APP CONTROL+1 MANUAL



RF28 key remote control function	Key function details specification
 ON/OFF	Turn ON/OFF the controller
 Speed/brightness adjust key	Press this two keys to increase/decrease the brightness when in static mode, Press these two keys to increase/decrease the changing speed when in dynamic mode
 static color mode	brightness is adjustable
 DIY brightness adjust key	Press the DIY key to address the Green, Red, Blue color brightness to choose the specific color
 DIY mode key	Press the key to save the DIY color you adjust be the DIY brightness adjust key
 DIY JUMP	Press the key to realize all the color setting by DIY to JUMP
 JUMP3	3 color JUMP Red,Green,Blue color jump
 JUMP7	7 color JUMP Red,Green,Blue,Yellow,cyan,purple white color jump
 FADE3	3 color fade Red,Green,Blue color fade
 FADE7	7 color fade Red,Green,Blue,Yellow,purple,cyan, white color fade
 SPARK	SPARK Dynamic mode 7 color flash Jump
 WHITE	white mode white,rgb+white change

Match Code Function (It is available when leave factory)

1.Power on led engine, it works well when red indicated lights.

2.Press the FADE3 and FADE7 at same time in the effective remote distance, the white color of led engine flash. The code matches success.

Maximum fiber connection formula:

Fiber head' s radius: R

Fiber Diameter: D1, D2,D3.....

Fiber quantity:N1, N2, N3.....

Result: $\pi * R^2 \geq N1 * D1^2 + N2 * D2^2 + N3 * D3^2$

Example:

fiber head' s radius (Diameter 20mm)

Fiber Diameter:0.75mm,1.0mm,1.5mm

Fiber Quantity:150mm, 50mm,10mm.....

Result: $3.14 * 10^2 \geq 150 * 0.75^2 + 50 * 1^2 + 10 * 1.5^2$

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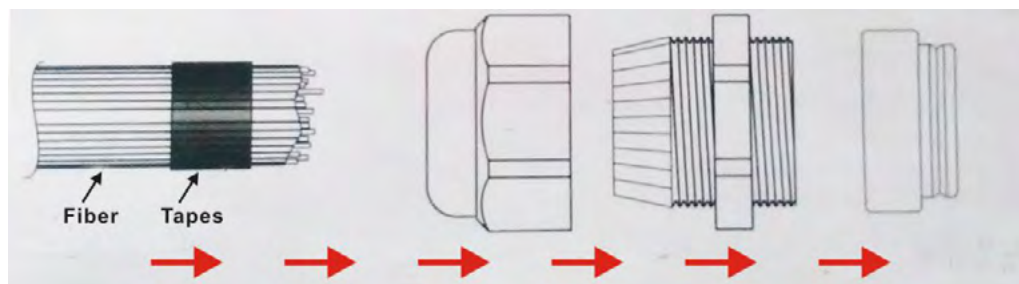
fiber head inner diameter : 16-20MM

The number of optical fiber can be installed:

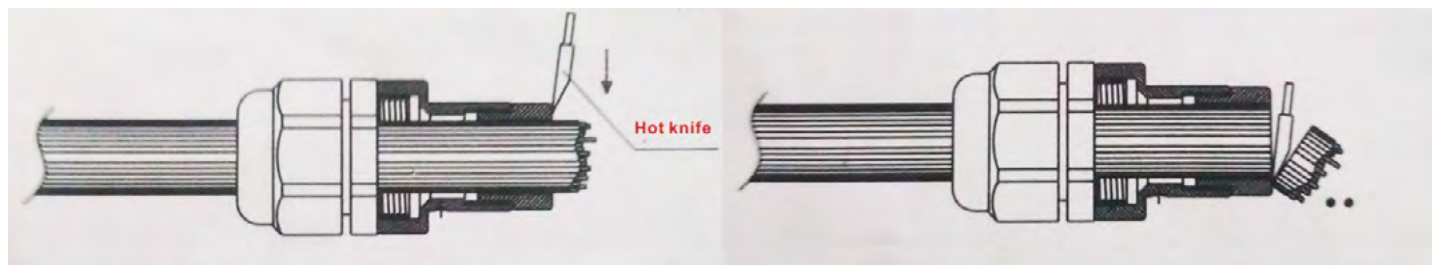
model	PG Connector inner diameter(MM)	fiber diameter(MM)	One head max fiber number	two head max fiber number
MK-L32RGB	13-18	0.75	450	900
MK-L32RGB	13-18	1	250	500
MK-L32RGB	13-18	1.5	100	200
MK-L32RGB	13-18	2	60	120

Connection method between Fiber and Led engine:

- 1.Align all the fiber head, fasten with tapes which can resistance temperature over 130°C
- 2.Pass through the fiber to connector, fastening rotary tensioner. To make sure the fiber bunch could not move and each fiber must be in the same plane.



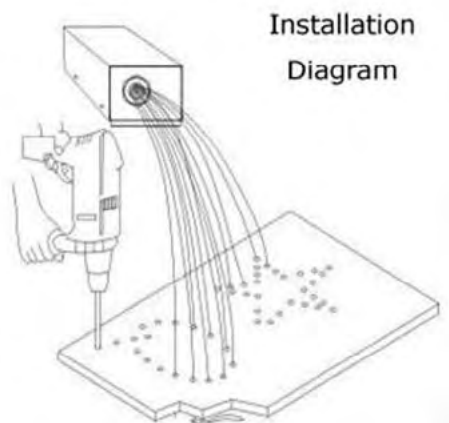
- 3.Cut the fiber bunch to flat surface by heat-knife or blade.



- 4.Make sure the fiber bunch head is smooth and clean. Thus each fiber' s light will be evenly.
- 5.Put through the whole fiber connector to fix ring of Led engine. Fasten screw on the top of the fix ring.

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Application installation diagram:



Attention:

1. Make sure the input voltage is correct.
2. Put led engine in the rain or moist place is prohibited
3. Please don't open led engine for inspection or change the electronic circuits if you are not professional.
4. Led engine has to be good ventilation, please don't put at sealed place.
5. Put debris on top of led engine or around it will be caused poor heat dissipation.