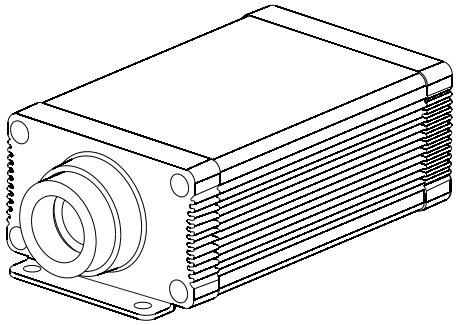
LIGHT ENGINE
INSTRUCTION MENU

MODEL:

LLE-003
LLE-004
LLE-005



CE

ISO9001:2000
CERTIFIED

Standard Packing List:

Light Engine	1	
Fiber Optic Connector	1	
Remote Controller	1	(Optional)
Instruction Manual	1	

☆ Guarantee: 1 year.

LLE-003 MANUAL

A. Technical Parameters:

Input Voltage: 12V DC
Total Power: 8W
Color: White, Green, Sky-Blue, Yellow, Blue, Purple (total 6 colors)
LED: 5W
Life of LED: 50000H
Fiber Capacity: 0.75mm fiber x 250pcs (standard), 0.75mm fiber x 400pcs (max.)
Size: L136xW84xH69 mm^3
Weight: 0.4Kg.

B. Installation of Light Engine:

1. Installing size and rear panel of LLE–003 (see fig. 1):

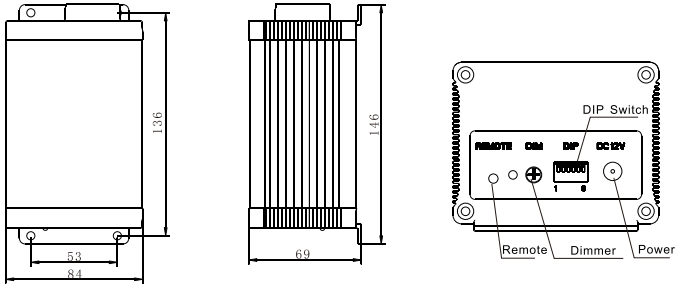


Fig. 1

C. The Installation of fiber optic: (see Fig. 2)

1. Cut the fiber to the specified length.
2. Peel off 5-10cm of the protection cover of the fiber optic,be careful not to hurt the fiber optic itself.
3. Collect all fibers in one bundle,Enlace all the fiber at the 10cm from fiber end with tape.Insert the fiber optic into fiber connector,screw tightly the waterproof connector.Cut the fiber optic smoothly along with fiber connector with hot knife.
4. Insert the whole finished fiber connector into the fiber fixing ring,screw tightly the Screw.

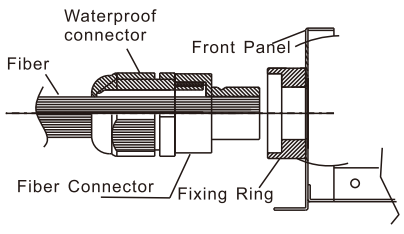


Fig. 2

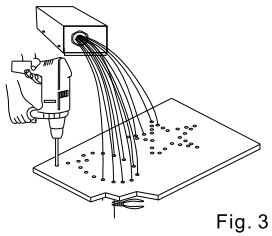


Fig. 3

5. The installation of the end part of the fiber optic(see Fig. 3)

D. Setting of Light Engine:

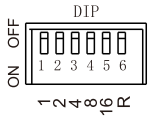


Fig. 4

(1)DIP switch setting: DIP1-3 as program switch, please see setting as follow(1=ON, 0=OFF), DIP 4-5 is blank, DIP 6 is for remote controller (see fig. 4)

(2)Calculation of DIP address code:
e. g. 009=8(4)+1(1)，013=8(4)+4(3)+1(1)

(3)Using of Wireless Remote Controller:
Firstly set DIP No.6 into “ON”, select color with button “🔒”, button “⏻” used for power on/off, button “☀” “☀” used for brightness adjusting (6 levels)(See Fig. 5)

(4) Fixing Color With Wireless Remote controller : Firstly set DIP No. 2 and No. 3 into “ON” to select the program with slowest speed, then set all of DIP into “OFF” when it display the color that you need.

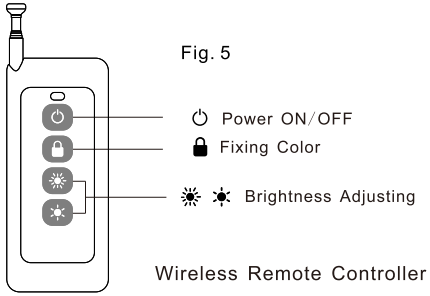


Fig. 5

Wireless Remote Controller

Notice:

(1) You can only control running/stopping of the motor through " 🔒“ button, if you want to select the color change speed, please use DIP switch.

(2) The dimmer on the rear panel are used for brightness adjusting by hand, factory default is 100% brightness, total 6 levels brightness.

Attached List:

PRO. NO.	DIP SWITCH(1=ON, 0=OFF)) 6 5 4 3 2 1	FUNCTION
00	0 0 0 0 0 0	Motor stopped, LED working
01	1 0 0 0 0 1	W, G, Sky-B, Y, B, PP, fade (6RPM)
02	1 0 0 0 1 0	W, G, Sky-B, Y, B, PP, fade (4RPM)
03	1 0 0 0 1 1	W, G, Sky-B, Y, B, PP, fade (2.5RPM)
04	1 0 0 1 0 0	W, G, Sky-B, Y, B, PP, fade (2RPM)
05	1 0 0 1 0 1	W, G, Sky-B, Y, B, PP, fade (1.5RPM)
06	1 0 0 1 1 0	W, G, Sky-B, Y, B, PP, fade (1RPM)

Notice: 1. RPM is the speed of the color wheel;
2. When DIP address exceed P07,system will run P07 all the time;

LLE-004 MANUAL

A. Technical Parameters:

Input Voltage: 12V DC
Total Power: 8W
Color: RGB
LED: 3x2 W
Life of LED: 50000H
Fiber Capacity: 0.75mm fiber x 250pcs (standard), 0.75mm fiber x 400pcs (max.)
Size: L133xW71xH46 mm³
Weight: 0.24Kg.

B. Installation of Light Engine:

1. Installing size and rear panel of LLE–004 (see fig. 1):

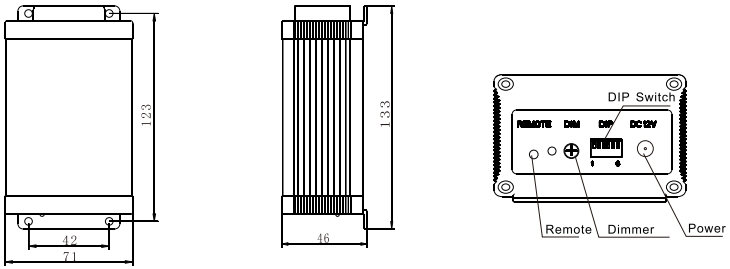


Fig. 1

C. The Installation of fiber optic: (see Fig. 2)

1. Cut the fiber to the specified length.
2. Peel off 5-10cm of the protection cover of the fiber optic,be careful not to hurt the fiber optic itself.
3. Collect all fibers in one bundle,Enlace all the fiber at the 10cm from fiber end with tape.Insert the fiber optic into fiber connector,screw tightly the waterproof connector.Cut the fiber optic smoothly along with fiber connector with hot knife.
4. Insert the whole finished fiber connector into the fiber fixing ring,screw tightly the Screw.

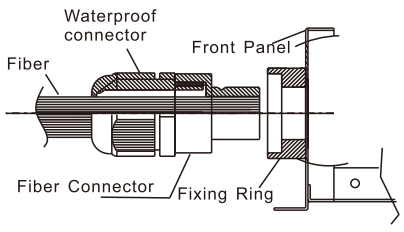


Fig. 2

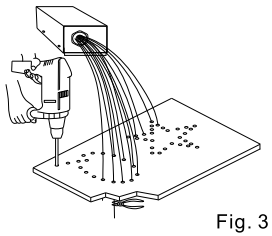


Fig. 3

5. The installation of the end part of the fiber optic(see Fig. 3)

D. Setting of Light Engine:

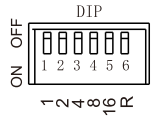


Fig. 4

(1) DIP switch setting: DIP1-4 as program switch, please see setting as follow(1=ON, 0=OFF), DIP 5 is blank, DIP 6 is for remote controller (see fig. 4)

(2) Calculation of DIP address code:
e. g. 009=8(4)+1(1)，013=8(4)+4(3)+1(1)

(3) Using of Wireless Remote Controller:
Firstly set DIP No.6 into “ON”, select color with button “🔒”, button “⏻” used for power on/off, button “☀” “☀” used for brightness adjusting (6 levels) (Fig. 5)

Notice: The dimmer on the rear panel are used for brightness adjusting by hand, factory default is 100% brightness, total 6 levels brightness.

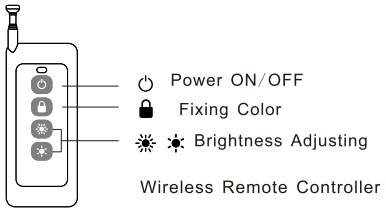


Fig. 5

Attached List:

PRO. NO.	DIP SWITCH(1=ON, 0=OFF)) 6 5 4 3 2 1	FUNCTION
00	0 0 0 0 0 0	NO Light
01	1 0 0 0 0 1	White
02	1 0 0 0 1 0	Red
03	1 0 0 0 1 1	Green
04	1 0 0 1 0 0	Blue
05	1 0 0 1 0 1	Purple
06	1 0 0 1 1 0	Yellow
07	1 0 0 1 1 1	Sky-Blue
08	1 0 1 0 0 0	W, B, PP, R, Y, G, Sky-B, skip(2s)
09	1 0 1 0 0 1	W, B, PP, R, Y, G, Sky-B, skip(5s)
10	1 0 1 0 1 0	W, B, PP, R, Y, G, Sky-B, fade(5s)
11	1 0 1 0 1 1	W, B, PP, R, Y, G, Sky-B, fade(10s)
12	1 0 1 1 0 0	B, PP, R, Y, G, Sky-B, skip(2s)
13	1 0 1 1 0 1	B, PP, R, Y, G, Sky-B, skip(5s)
14	1 0 1 1 1 0	B, PP, R, Y, G, Sky-B, fade(5s)
15	1 0 1 1 1 1	B, PP, R, Y, G, Sky-B, fade(10s)

LLE-005 MANUAL

A. Technical Parameters:

Input Voltage: 12V DC
Total Power: 10W
Color: RGB
LED: 3x2W
Life of LED: 50000H

Fiber Capacity: 0.75mm fiber x 250pcs (standard), 0.75mm fiber x 400pcs (max.)
Size: L136xW84xH69 mm ^{3}
Weight: 0.4Kg.

B. Installation of Light Engine:

1. Installing size and rear panel of LLE–005 (see fig. 1):

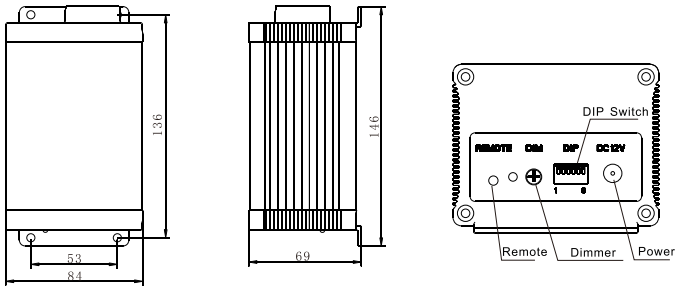


Fig. 1

C. The Installation of fiber optic: (see Fig. 2)

1. Cut the fiber to the specified length.
2. Peel off 5-10cm of the protection cover of the fiber optic,be careful not to hurt the fiber optic itself.
3. Collect all fibers in one bundle,Enlace all the fiber at the 10cm from fiber end with tape.Insert the fiber optic into fiber connector,screw tightly the waterproof connector.Cut the fiber optic smoothly along with fiber connector with hot knife.
4. Insert the whole finished fiber connector into the fiber fixing ring,screw tightly the Screw.

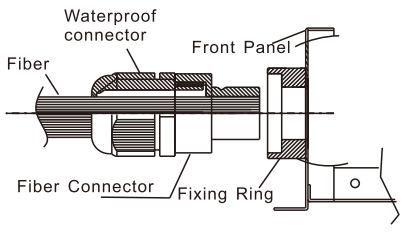


Fig. 2

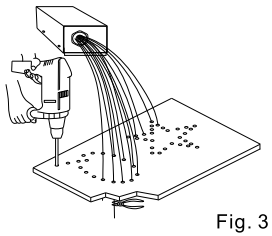


Fig. 3

5. The installation of the end part of the fiber optic(see Fig. 3)

D. Setting of Light Engine:

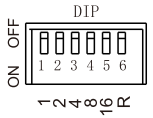


Fig. 4

(1) DIP switch setting: DIP1-4 as program switch, please see setting as follow(1=ON, 0=OFF), DIP 5 is blank, DIP 6 is for remote controller (see fig. 4)

(2) Calculation of DIP address code:
e. g. 009=8(4)+1(1)，013=8(4)+4(3)+1(1)

(3) Using of Wireless Remote Controller:
Firstly set DIP No.6 into “ON”, select color with button “🔒”, button “⏻” used for power on/off, button “☀” “☀” used for brightness adjusting (6 levels) (Fig. 4)

Notice: The dimmer on the rear panel are used for brightness adjusting by hand, factory default is 100% brightness, total 6 levels brightness.

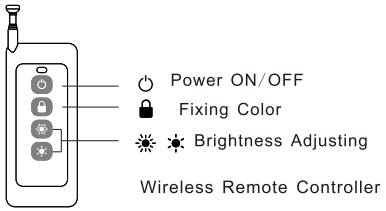


Fig. 5

Attached List:

PRO. NO.	DIP SWITCH (1=ON, 0=OFF) 6 5 4 3 2 1	FUNCTION	
00	0 0 0 0 0 0	No Light	
01	0 0 0 0 0 1	White,Twinkle Wheel	0.5RPM
02	0 0 0 0 1 0	White,Twinkle Wheel	1RPM
03	0 0 0 0 1 1	White,Twinkle Wheel	2RPM
04	0 0 0 1 0 0	Blue,Twinkle Wheel	0.5RPM
05	0 0 0 1 0 1	Blue,Twinkle Wheel	1RPM
06	0 0 0 1 1 0	Blue,Twinkle Wheel	2RPM
07	0 0 0 1 1 1	White,Blue Fade(6s),Twinkle Wheel	0.5RPM
08	0 0 1 0 0 0	White,Blue Fade(6s),Twinkle Wheel	1RPM
09	0 0 1 0 0 1	White,Blue Fade(6s),Twinkle Wheel	2RPM
10	0 0 1 0 1 0	7 Colors Skip(4s),Twinkle Wheel	1RPM
11	0 0 1 0 1 1	7 Colors Skip(4s),Twinkle Wheel	2RPM
12	0 0 1 1 0 0	6 Colors Skip(4s),Twinkle Wheel	1RPM
13	0 0 1 1 0 1	6 Colors Skip(4s),Twinkle Wheel	2RPM
14	0 0 1 1 1 0	7 Colors Fade(6s),Twinkle Wheel	1RPM
15	0 0 1 1 1 1	7 Colors Fade(6s),Twinkle Wheel	2RPM
16	0 1 0 0 0 0	6 Colors Fade(6s),Twinkle Wheel	1RPM
17	0 1 0 0 0 1	6 Colors Fade(6s),Twinkle Wheel	2RPM

Notice: RPM is the speed of the twinkle wheel