



LEI 4001 / 8001

User manual

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Model	LEI 4001	LEI 8001
Programs	With remote controller: brightness adjustment, twinkling wheel on/off With DIP switches: 8 colour changing speed settings	
Remote controller	Yes, RF	
Light source type	LED CREE	
Luminous flux	3,500 Lm	6,100 Lm
IP rating	IP20	
Light colour mode	white	
Working voltage	110 / 230V	
Power	50W	90W
Material of housing	Aluminium	
Light engine dimensions	270 mm (L) x 264 mm (W) x 135 mm (H)	
Net weight	5.8 kg	
Fibre optic port diameter	30 mm	
Maximum number of fibre optic bundles at 0.75 mm diameter	1,250	
Lifetime	50,000 hours	
Warranty	1 year	
Package dimensions (excluding fibre optic bundle)	360 mm (L) x 330 mm (W) x 200 mm (H)	
Weight with packaging	7 kg	

Safety notices

www.stellarlighting.co.uk

email: info@stellarlighting.co.uk



Electrical work safety advice and tips

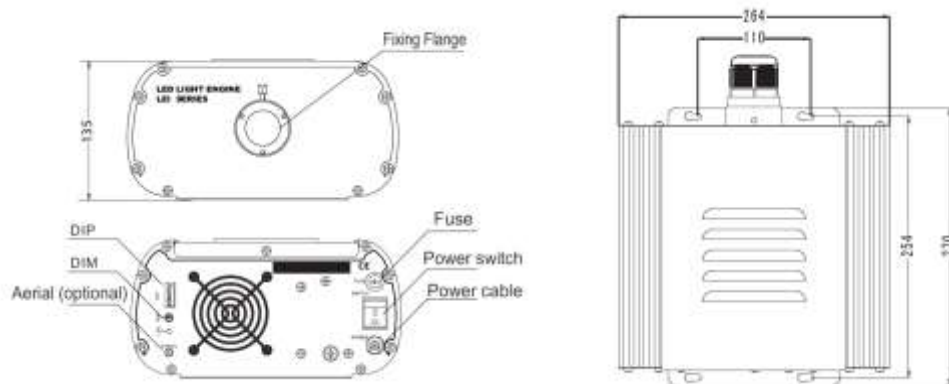
- Make sure the input voltage is correct.
- Avoid placing the light engine in the rain or in moist areas. Please ensure that the light engine has sufficient ventilation and is not placed in a completely sealed area.
- Do not open the LED light engine for inspection or re-wire the electronic circuits if you are not a professional. Opening the light engine might void your warranty.
- Avoid any debris on top or around the light engine as it can cause poor heat dissipation.
- Avoid using the device above 40 C temperature.

DIY tips and safety advice

- This task will involve working at height. A safe system of work should be established and maintained, in order to prevent injury.
- Consider your safety! Think about the potential risks and dangers of the work and the steps you should take to avoid them.
- Personal protective equipment. Make sure that you are equipped with suitable and sufficient personal protective equipment. This could include eye protection, face mask, protective overalls, safety footwear and gloves.
- Ensure that the work area is sufficiently illuminated.
- Check that the tools you will be working with are in a good operating condition. For the installation, you will need a cordless drill, epoxy glue, side cutters or scissors and drill bits.

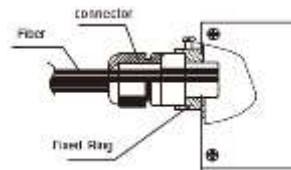


Light engine information and dimensions



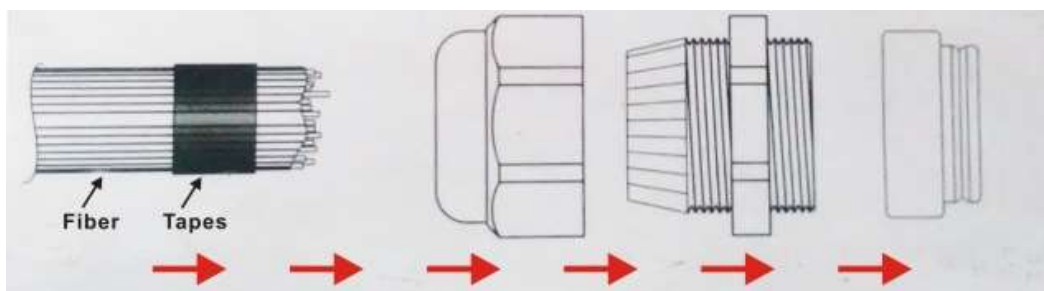
Connection method between optical fibres and the light engine

Your fibre optic bundle will come with the connector fittings ready to connect to the light engine.



If you need to adjust your bundle or you're making your own, follow the steps below.

1. Align all the optical fibre ends and fasten with tapes which can resist temperature over 130°C
2. Pass the fibres through the connector and fasten the rotary tensioner until the fibres are tightened.



3. Cut the fibre bundle to a flat surface with a heat-knife or blade.



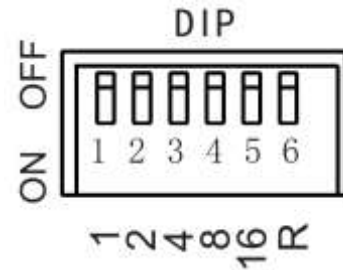


4. Make sure that the optical fibre bundle head is smooth and clean to ensure even light distribution.
5. Place the fibre optic bundle's connector into the light engine's port connector. Fasten the bundle with the screw on the top of the light engine's port connector.

Light engine setup

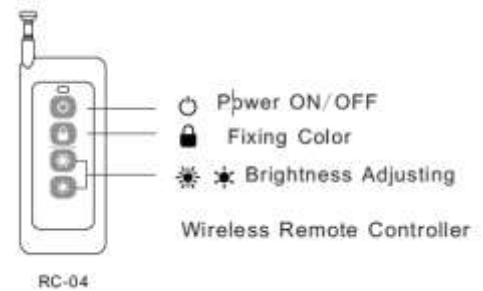
DIP switches:

- DIP switches: 1~3: programs selection (see table further down)
- DIP switch status: 1=ON, 0=OFF
- DIP switch 4 and 5 are unused;
- DIP switch 6 for remote controller



Remote controller:

- Set DIP switch 6 to 1 (ON) to enable remote controller mode
- button: switching power on/off
- button is for colour selection
- buttons are for brightness adjustment (6 levels)



- Please note that the battery is not included with the remote controller. "23A" type, 12V battery is required for this type of remote.

Fixing colour without the remote controller:

- Firstly, set DIP switches 2 and 3 to "ON" to choose the inbuilt programme at a slow speed,
- Once you reach the colour of your choice, turn all DIP switches "OFF"

Important notes:

- The remote controller's "" button is only capable of switching the twinkling motor on and off. If you wish to switch colours or change colour changing speed, use the DIP switch programming
- The dimmer on the back panel of the light engine is used for manual brightness adjustment. The factory default is 100% brightness, and there are 6 levels of brightness in total.

PRO. NO.	DIP SWITCH(1=ON, 0=OFF)						FUNCTION
	6	5	4	3	2	1	
00	0	0	0	0	0	0	Motor stopped, LED working
01	1	0	0	0	0	1	W, Sky-B,G,Y, B, PP, fade (6RPM)
02	1	0	0	0	1	0	W, Sky-B,G,Y, B, PP, fade (4RPM)
03	1	0	0	0	1	1	W, Sky-B,G,Y, B, PP, fade (3RPM)
04	1	0	0	1	0	0	W, Sky-B,G,Y, B, PP, fade (2RPM)
05	1	0	0	1	0	1	W, Sky-B,G,Y, B, PP, fade (1.5RPM)
06	1	0	0	1	1	0	W, Sky-B,G,Y, B, PP, fade (1RPM)
07	1	0	0	1	1	1	W, Sky-B,G,Y, B, PP, fade (0.5RPM)



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- RPM is the speed of the twinkling wheel;
- If DIP address is set beyond P07, the machine will run P07 instead.

Troubleshooting for remote controller connection issues:

- Make sure that the remote controller is switched on by pressing the “On” button
- Check if the battery is operational in the remote controller: Press a button on the remote and the indicator light should flash up. If the light doesn’t flash up, it means that there is either no battery in the remote or the battery needs replacing.
- If the remote’s control light flashes up, check whether the green indicator light on the back of the light engine flashes up, when a button is pressed on the remote. If the indicator light is not flashing up, restart the device and test again. If the indicator light still doesn’t flash up, please contact your supplier.