

PRODUCT USER GUIDE

MicroLED 100PT/PC/PTC Illuminator



Rev: C6



PLEASE READ THIS USER GUIDE BEFORE INSTALLING, OPERATING
OR PERFORMING MAINTENANCE ON THE ILLUMINATOR UNIT



INTRODUCTION

Thank you for purchasing this UFO illuminator/luminaire.

To ensure that the illuminator is set up optimally and gives a long service life, please read this user guide before installing, operating or performing any maintenance on the unit. Please keep this user guide for future reference. This User Guide is laid out in three sections

- INSTALLATION – details how to connect your luminaire.
- OPERATION – details how to programme and set up your luminaire.
- MAINTENANCE – Maintenance log, Troubleshooting Guide, Technical Specification

MODELS COVERED BY THIS USER GUIDE

UFO MIC100PT-3 :Warm White (3000K) Twinkle effect wheel

UFO MIC100PT-4 : Neutral White (4000K) Twinkle effect wheel

UFO MIC100PT-6:Cool White (6000K) Twinkle effect wheel

UFO MIC100PC-3 : Warm White (3000K) Color change effect wheel with 6 color segments

UFO MIC100PC-4 : Neutral White (4000K) Color change effect wheel with 6 color segments

UFO MIC100PC-6 : Cool White (6000K) Color change effect wheel with 6 color segments

UFO MIC100PCT-3 : Warm White (3000K) Color change / twinkle sandwiched Wheel

UFO MIC100PCT-4 : Neutral White (4000K) Color change / twinkle sandwiched Wheel

UFO MIC100PCT-6 : Cool White (6000K) Color change / twinkle sandwiched Wheel

IMPORTANT

- This product must be installed in accordance with the applicable installation code, by a person familiar with the construction and operation of the product, and the hazards involved.
- These illuminators are not mains dimmable.
- The LED array and heatsink in this illuminator can be replaced when it reaches end of life. Contact UFO for details.
- Type Y Attachment: If the external flexible cable or cord of this luminaire or associated PSU/driver is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person to avoid a hazard.
- Location: Do not locate this illuminator closer than 200mm from any flammable surface.
- Clearance / Ventilation: It is imperative that a gap of 200mm is left around the unit. This is to allow air to circulate and prevent overheating. The location must have free ventilation and must not have an ambient temperature higher than that specified for the unit.
- Mounting: This luminaire comes with an integral mounting feet for securing the unit to a vertical or horizontal surface.
- Warning: Never look directly at the luminaire through the fiber port of the illuminator.
- Warning: The luminaire should be positioned so that staring into the luminaire at a distance closer than 2.7 metres is not expected.

UFO will accept no liability for damage, or associated claims, caused by not following the installation and safety instructions contained within this user guide.

INSTALLATION

MOUNTING

This illuminator is supplied with a separate mounting plate. If using the mounting plate refer to the fitting instructions supplied with it.

POWER SUPPLY REQUIREMENTS

This illuminator is powered by a 12V Power Supply Unit or 12V Constant Voltage Driver. Remove the PSU/driver from its box.



Plug the jack plug into the socket in the back, and the illuminator is now ready for connection.

OPERATION

CONNECTION

There are 2 connections required - the fiber port and the mains supply. The fiber port should be connected first. Connect and secure the fiber optic connector into the front of the unit and secure using the M5 locking screw.

Plug the mains plug into the electrical supply socket. Switch on the power, the LED indicator will illuminate, and the illuminator will illuminate. If no light is produced consult the troubleshooting section

OPERATION

This is a standard static decorative white light unit. Once setup according to the connection instructions the unit is ready for use.

The unit has two control push buttons on the rear. These buttons are push and release momentary action type.

Upper button: controls motor speed

Lower button: controls dimming

AVAILABLE WHEEL OPTIONS

- Twinkle effect (PT models)
- Color change effect with 6 color segments (PC models)
- Color change / twinkle sandwiched (PCT models)

MAINTENANCE AND SAFETY GUIDANCE

MAINTENANCE

To ensure a long working life and the safe, reliable operation of the illuminator, it is very important to maintain it properly and ensure it is installed in an appropriate and safe location.

Before performing any maintenance on the illuminator it should be disconnected from the power supply and allowed to cool down.

- The illuminator fans and vents should be blown out with compressed air at least every 12 months, or more often if located in a dusty environment.
- Do not allow dust to build up on internal PCB's & components as this will increase heat within the illuminator and lead to failure. Units should be checked regularly and all dust must be vacuumed off. Failure caused by excessive dust will not be covered under warranty.
- After the illuminator has been installed, check the fans and vents to ensure they are clear of dust and debris. Blow out with compressed air if required.
- The body of the illuminator can be cleaned using a soft damp cloth. Do not use any abrasives on the unit.

Note that a record of all maintenance **MUST** be kept in the table below, indicating what maintenance was undertaken. This must be dated and is required for warranty purposes.

SAFETY GUIDANCE

- A gap of 200mm (8") **MUST** be left around the unit. This is to allow air to circulate and prevent overheating. The location must have free ventilation and must not have an ambient temperature higher than that specified for the luminaire.
- The outer body of the illuminator may become hot - keep away from all combustible materials and **DO NOT** locate this light source within 200mm (8") of any flammable surface.
- The illuminator must not be run without the fiber optic harness fitted.

MAINTENANCE LOG

Date	Maintenance Undertaken

TROUBLESHOOTING

Problem	Possible Cause(s)	Remedy
Unit is dead - LED power indicator is not illuminated	Mains supply off Loose mains plugs PSU failed	Check supply and reinstate Check plugs Replace PSU
Unit is dead - no light output but LED power indicator is still illuminated	LED array failure	Contact UFO
Poor light output on fiber	Unit needs cleaning Fiber port connector not plugged in correctly Dimming push button at minimum	Carefully clean LED Lens with dry cloth Clean fiber common end Ensure plugged in correctly and secured with locking screw Press button to increase brightness
Light output but no decorative effect (twinkle and/or color wheel not turning)	Motor speed push button at stop Decorative wheel motor failure	Press button to start motor Contact UFO

NOTES

TECHNICAL SPECIFICATION

Port connector size	30mm diameter
Fiber type	Glass / PMMA
Material/Finish	ABS (black, silver or white)
Dimensions (L x W x H)	137mm (5.4") x 114mm (4.5") x 73mm (2.9")
Weight	0.4kg
Operating Environment	Indoor use - IP20
Min Ambient Temp.	-10°C
Max Ambient Temp.	+45°C

Control Functionality	Push button manual dimming
Color Change Functionality	Push button manual
Effects Wheels Options & Functionality	Color (PC), twinkle (PT) or combination of both (PCT) controlled by push button

LED Array Type	White light
LED Array Power	2W
LED Array Model	Cree XLamp XR-E
LED Array Life (L70, B10)	> 54,400 hours @ 25°C
Warm White Option	3000K \ 80CRI \ 120lm
Neutral White Option	4000K \ 75CRI \ 126lm

Supply Voltage	90-264Vac
Mains Running Current	0.38A @ 240Vac
Mains Voltage VA rating	10VA
External PSU Type	Power Pax, 12V, 2A, 24W
Motor Type	12V stepper motor



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