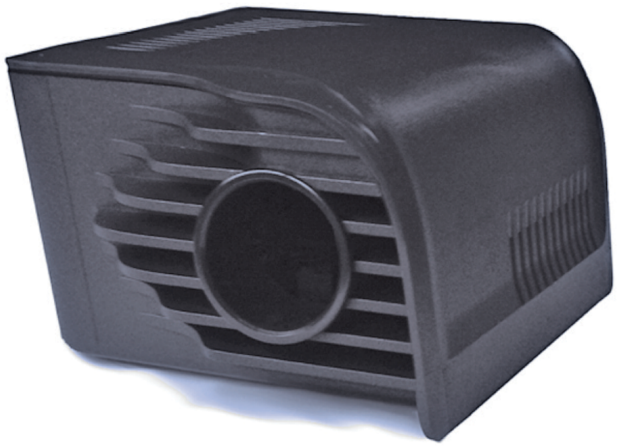
BL LIGHTING
SINCE 1986

INSTALLATION & OPERATION MANUAL

Orion

BL Fibersource



BL LIGHTING
ILLUMINATE EVERYTHING

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INTRODUCTION

Thank you for purchasing this **Orion** illuminator.

Please read these instructions fully before connecting your unit to the electrical supply, and keep them for future reference.

The **Orion** utilises a white light array with Twinkle wheel and is suitable for use with either glass or polymer fibre-optic harness. **Orion** is powered by a 100-240 VAC power supply unit.

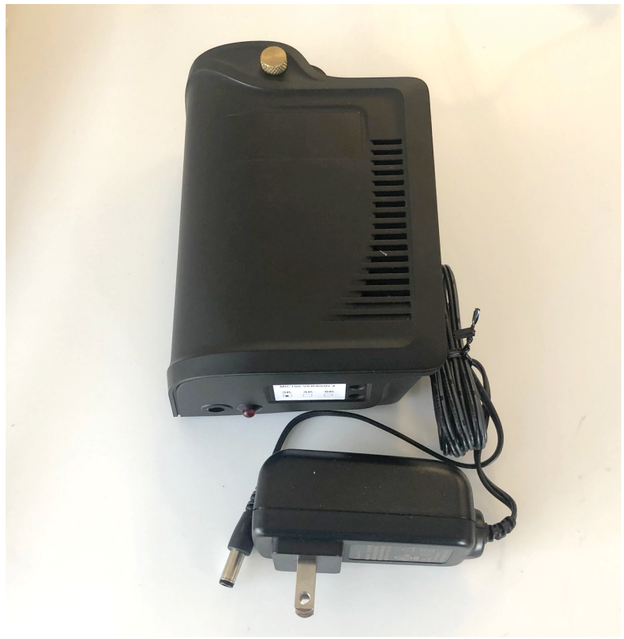
We do not recommend that the light source be left on for 24 hours a day, 7 days a week as LED life will be impaired. A switch off of 30mins per day is recommended.

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.

INSTALLATION

Power Supply Requirements

The LED light source is powered from an AC adapter Power Supply Unit.
Remove the AC adapter PSU from its box.



Connect the jack plug into the socket in the back, and the **Orion** is now ready for connection.

CONNECTION

There are 2 connections required - the fibre port and the mains supply.

The fibre port should be connected first. Connect and secure the fibre 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 light source and the twinkle wheel will start up automatically. If no light is produced consult the troubleshooting section.

NOTE: These light sources are not mains dimmable.

OPERATION

This is a standalone static twinkle 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

MAINTENANCE

Cleaning the Unit

Disconnect unit from power supply and allow to cool before attempting any cleaning of the unit.

A visual check of the unit should be completed every 12 months. However cleaning should take place as and when required.

The body of the unit can be cleaned with a soft, damp cloth - do not use any abrasives on the unit.

Please note that a record of all maintenance MUST be kept in the table on the next page, indicating what maintenance was undertaken and when. This must be DATED for warranty purposes.

MAINTENANCE

Date	Date Maintenance Undertaken

TROUBLESHOOTING

Please note that a record of all maintenance MUST be kept in the table below, indicating what maintenance was undertaken and when. This must be DATED for warranty purposes.

Problem	Probable Cause(s)	Remedy
Unit is dead - LED power indicator is not illuminated	Mains supply off	Check supply and reinstate
	Loose mains plugs	Check plugs
	PSU failed	Replace PSU
Unit is dead - no light output but LED power indicator is still illuminated	LED array failure	Replace LED unit
Unit is not twinkling	Twinkle wheel motor failure	Replace Unit
Poor light output on fibre	Unit needs cleaning	Carefully clean LED Lens with dry cloth
		Clean fibre common end
	Fibre port connector not plugged in correctly	Ensure plugged in correctly and secured with locking screw

TECHNICAL SPECIFICATIONS

Please note that a record of all maintenance MUST be kept in the table below, indicating what maintenance was undertaken and when. This must be DATED for warranty purposes.

Description	Details
Port connector size	30mm
Fibre type	Glass/PMMA
Supply voltage	100 - 240V AC, 50/60 Hz
PSU Output	12DC, 1.5A, 18W Maximum
LED Powe	3W
Min Ambient Temperature	14ºF (-10ºC)
Max Ambient Temperature	113ºF (45ºC)
Power Connection	2.1 x 5.5 x 12mm
LED Type / Model	White Light
LED Life	50,000 hours in ambient 77ºF (25ºC)
Functionality	Push button dimming and motor speed
Operating environment	Indoor / dry
Material	ABS
SIZE	(L)137mm x(W) 114mm x (H)73mm
Weight with PSU	480.3 g

Solid State Lighting is sensitive to power fluctuations
Surge protection is highly recommended for all LED lighting products and should be on a designated circuit to protect against premature failure
Lack of surge protection may void your warranty

Specifications subject to change without notice.
Please refer to our website at bllighting.com for current technical data.