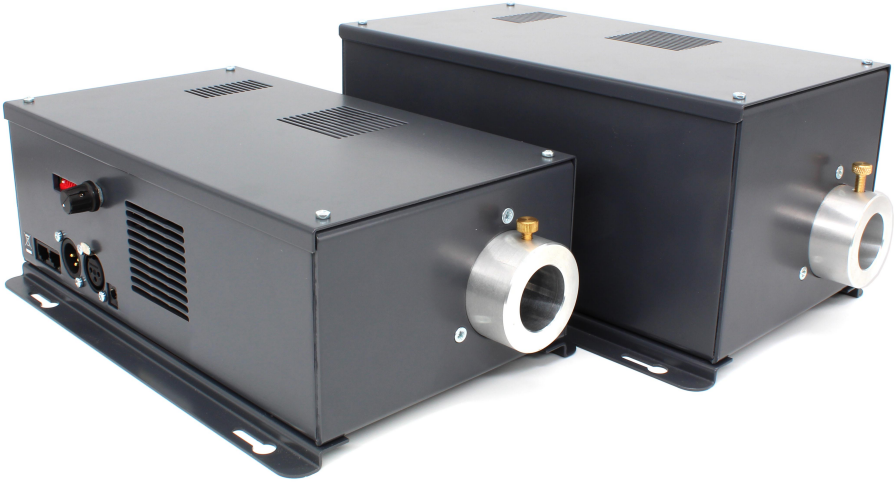
# PRODUCT USER GUIDE

## *Sirius Illuminator Range*

Rev: C3



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

c UL us LISTED
E357731

CE

FOR INDOOR USE ONLY

WEATHER RESISTANT ENCLOSURE AVAILABLE

LED 40,000 hrs

MADE IN U.K. PREMIUM QUALITY

# 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 on 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

| | | | | |
|---|---|---|---|---|
| UFOSIRCW | UFOSIRCW-C | UFOCIRCW-T | UFOSIRCW-Cs | UFOSIRCW-Ts |
| UFOSIRSW | UFOSIRSW-C | UFOSIRSW-T | UFOSIRSW-Cs | UFOSIRSW-Ts |
| UFOSIRNW | UFOSIRNW-C | UFOSIRNW-T | UFOSIRNW-Cs | UFOSIRNW-Ts |
| UFOSIRWW | UFOSIRWW-C | UFOSIRWW-T | UFOSIRWW-Cs | UFOSIRWW-Ts |
| UFOSIRGW | UFOSIRGW-C | UFOSIRGW-T | UFOSIRGW-Cs | UFOSIRGW-Ts |
| UFOSIRGW27 | UFOSIRGW27-C | UFOSIRGW27-T | UFOSIRGW27-Cs | UFOSIRGW27-Ts |

## 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 luminaire.

**Mounting:** This luminaire comes with an integral mounting plate for securing the unit to a vertical or horizontal surface. Refer to the instruction sheet supplied with the plate.

**Warning:** Never look directly at the luminaire through the fiber port of the illuminator.

**Warning:** The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 2.7 metres is not expected.

## MODEL TYPES

The Sirius LED illuminator incorporates a range of LED arrays focussed through a series of static lenses to provide optimum display and illumination within the following optical range.

| Model | Description | CRI | Color Temperature | Lumen Output |
|---|---|---|---|---|
| SIRCW | Cool white | 75 | 5500°K | 5700 |
| SIRSW | Studio white | 88 | 5300°K | 4650 |
| SIRNW | Neutral white | 82 | 4000°K | 5300 |
| SIRWW | Warm white | 83 | 3000°K | 4650 |
| SIRGW | Gallery white | 98 | 3000°K | 3450 |
| SIRGW | Gallery white | 98 | 2700°K | 3450 |

The Sirius is a 90W white light LED illuminator with optional decorative wheel capability. The Sirius LED illuminator driver PCB has all the control functionality fitted as standard. The following control functionality and configurations are available.

**1.** Manual dimming - local and remote

**2.** No sensor, manual decorative wheel control (wheel speeds 0.5rpm, 1.2rpm, 2.4rpm, 4rpm, 7.5rpm and stop), stop on random color

**3.** Sensor, manual decorative wheel control (wheel speeds 1.6rpm, 2.6rpm, 3.75rpm, 5.5rpm and stop), stop on 1 color

**4.** DMX dimming

**5.** No sensor - DMX decorative wheel control, adjustable speed from stop up to 7.5rpm + LED and fan on/off

**6.** Sensor - DMX decorative wheel control, snap colors and adjustable speed from stop up to 7.5rpm + LED and fan on/off

**7.** No sensor - 0-10v decorative wheel control, adjustable speed from stop up to 7.5rpm - channel 1 (receiving)

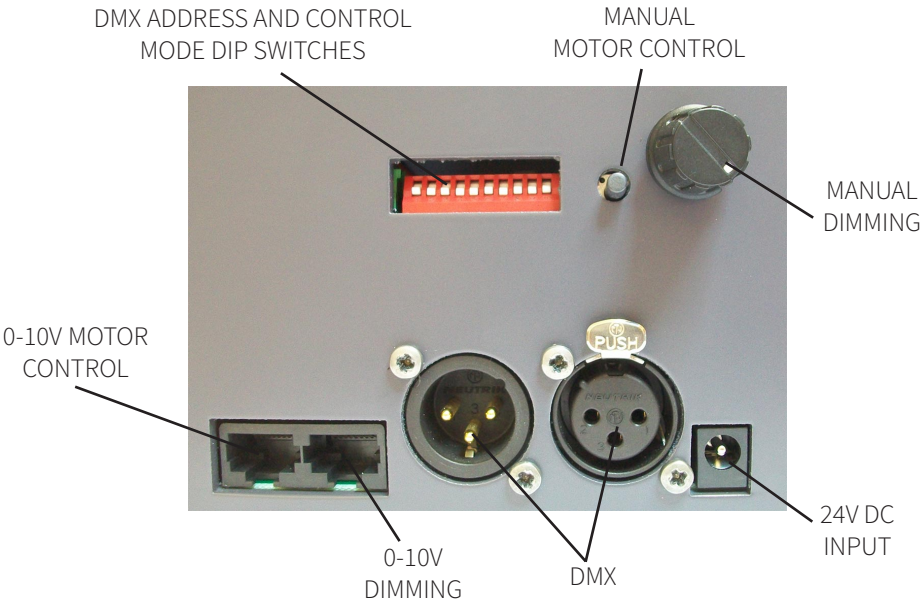
**8.** Sensor - 0-10v decorative wheel control, snap colors and adjustable speed from stop up to 7.5rpm - channel 1 (receiving)

**9.** 0-10V dimming – channel 2 (receiving) - two versions, standard and emergency light

## MODEL TYPES [CONT]

| Model | Description |
|---|---|
| UFOSIRCW | White light LED - 5500K - manual, DMX or 0-10V dimming |
| UFOSIRSW | White light LED - 5300K - manual, DMX or 0-10V dimming |
| UFOSIRNW | White light LED - 4000K - manual, DMX or 0-10V dimming |
| UFOSIRWW | White light LED - 3000K - manual, DMX or 0-10V dimming |
| UFOSIRGW | White light LED - 3000K - manual, DMX or 0-10V dimming |
| UFOSIRGW27 | White light LED - 2700K - manual, DMX or 0-10V dimming |
| UFOSIRCW-C | White light LED - 5500K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel |
| UFOSIRSW-C | White light LED - 5300K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel |
| UFOSIRNW-C | White light LED - 4000K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel |
| UFOSIRWW-C | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel |
| UFOSIRGW-C | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel |
| UFOSIRGW27-C | White light LED - 2700K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel |
| UFOSIRCW-Cs | White light LED - 5500K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel with sensor |
| UFOSIRSW-Cs | White light LED - 5300K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel with sensor |
| UFOSIRNW-Cs | White light LED - 4000K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel with sensor |
| UFOSIRWW-Cs | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel with sensor |
| UFOSIRGW-Cs | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel with sensor |
| UFOSIRGW27-Cs | White light LED - 2700K - manual, DMX or 0-10V dimming and wheel control, 6 segment color wheel with sensor |
| UFOSIRCW-T | White light LED - 5500K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel |
| UFOSIRSW-T | White light LED - 5300K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel |
| UFOSIRNW-T | White light LED - 4000K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel |
| UFOSIRWW-T | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel |
| UFOSIRGW-T | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel |
| UFOSIRGW27-T | White light LED - 2700K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel |
| UFOSIRCW-Ts | White light LED - 5500K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel with sensor |
| UFOSIRSW-Ts | White light LED - 5300K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel with sensor |
| UFOSIRNW-Ts | White light LED - 4000K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel with sensor |
| UFOSIRWW-Ts | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel with sensor |
| UFOSIRGW-Ts | White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel with sensor |
| UFOSIRGW27-Ts | White light LED - 2700K - manual, DMX or 0-10V dimming and wheel control, twinkle wheel with sensor |

## CONNECTIONS AND CONTROLS OVERVIEW




## MOUNTING FEET

The illuminator is supplied with non-slip rubber feet pre-fitted the base of the unit. Also in the box there are 2 x user fixable mounting brackets which allow for the illuminator to be securely mounted to a wall or other surface if necessary.

To fit these feet, remove the 4 rubber feet from the base of the unit and retain the screws. The wall mounting brackets are supplied as a pair - one left and one right hand. Position the brackets over the holes that have been left empty by the rubber feet and fix in place with the removed screws.

The illuminator can now be fixed to the mounting surface.

## CONNECTION - FOR LOCAL MANUAL OPERATION

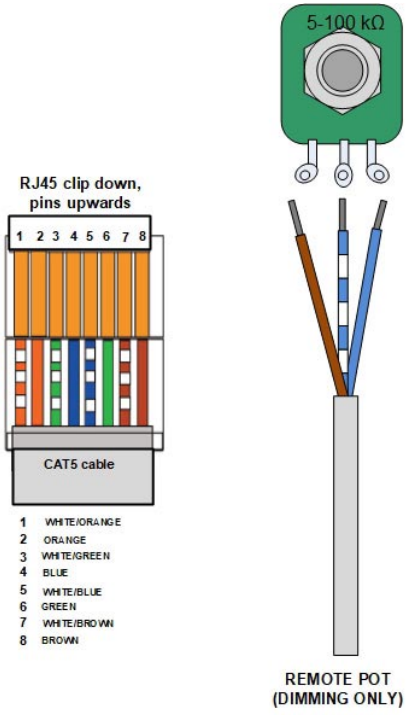
There are 2 connections required – the fiber port and the mains supply cable. The fiber port should be connected first. Connect and secure the fiber optic connector into the collar and secure using the M5 locking screw.

Connect the PSU to the DC input jack socket on the illuminator, and connect the IEC plug to the PSU. Plug the mains plug into the electrical supply socket. Switch on power. The LED Indicator on the PSU will illuminate and the illuminator is ready for use. If no light is produced consult the TROUBLESHOOTING section of this user guide.

## CONNECTION - FOR LOCAL MANUAL OPERATION

There are 3 connections required – the fiber port, the remote dimmer cable and the mains supply cable. The fiber port should be connected first. Connect and secure the fiber optic connector into the collar and secure using the M5 locking screw. Connect the RJ45 connector on the end of the remote dimmer cable as detailed below into the right hand RJ45 socket (0-10V dimming) on the side of the illuminator.

Connect the PSU to the DC input jack socket on the illuminator, and connect the IEC plug to the PSU. Plug the mains plug into the electrical supply socket. Switch on power. The LED Indicator on the PSU will illuminate and the illuminator is ready for use. If no light is produced consult the TROUBLESHOOTING section of this user guide.




**CONNECTIONS**

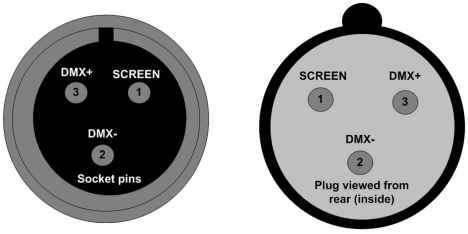
REMOTE POTENTIOMETER - BROWN, BLUE, WHITE/BLUE (POT WIPER – CENTRE PIN)

## CONNECTION - FOR DMX OPERATION

There are 3 connections required – the fiber port, the mains supply cable and the DMX cables. The fiber port should be connected first. Connect and secure the fiber optic connector into the aluminium collar and secure using the M5 locking screw.

Connect the PSU to the DC input jack socket on the illuminator, and connect the IEC plug to the PSU. Plug the mains plug into the electrical supply socket. Switch on power. The LED Indicator on the PSU will illuminate and the illuminator is ready for use. If no light is produced consult the TROUBLESHOOTING section of this user guide.

Connect to the 3 pin XLR sockets on the side panel as detailed below using an approved DMX cable.




Only approved DMX cables should be used.

Always “daisy chain” a DMX universe. Never use a T joint in a DMX universe unless using an approved interface.

It is always recommended that the last illuminator output in the DMX universe or cable run be terminated with a 120 ohm resistor across DMX+ and DMX-.

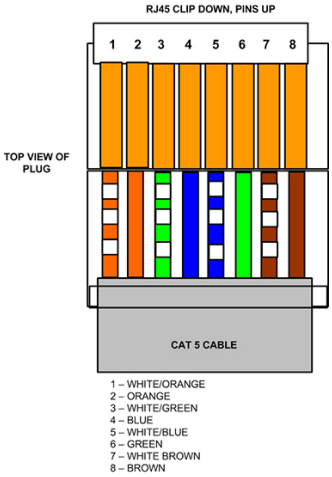
## CONNECTION - FOR 0-10V OPERATION

There are 3 connections required – the fiber port, the mains supply cable and the 0-10V cable. The fiber port should be connected first. Connect and secure the fiber optic connector into the aluminium collar and secure using the M5 locking screw.

Connect the PSU to the DC input jack socket on the illuminator, and connect the IEC plug to the PSU. Plug the mains plug into the electrical supply socket. Switch on power. The LED Indicator on the PSU will illuminate and the illuminator is ready for use. If no light is produced consult the TROUBLESHOOTING section of this user guide.

Connect the 0-10V RJ45 as detailed below using CAT5 cable.

**Note**: for emergency light functionality, the mains supply for the illuminator must be maintained so that failure of the mains supply to the 0-10V controller will result in the illumina-




0-10V RJ45 Connections:

-VE RJ45 Brown/White (Pin 7)
+VE RJ45 Blue/White (Pin 5)

## POWER SUPPLY REQUIREMENTS

The LED illuminator is powered from a 24V DC PSU/Constant Voltage SELV LED driver.

The driver caters for UK/European/other mains supplies using the relevant power cord supplied.

## MANUAL OPERATION

All Sirius models in the range can be manually controlled as detailed in the following sections.

**Note:** For all manual operation modes, dip switch 10 must be set to on.

### LOCAL WHITE LIGHT DIMMING

During normal manual white light operation, the illuminator can be dimmed from 0 to 100% using the manual dimming control on the side panel.

### REMOTE WHITE LIGHT DIMMING

During remote manual white light operation, the illuminator can be dimmed from 0 to 100% using the remote dimming control.

**Note**: For remote manual dimming operation, dip switch 10 on the illuminator must be set to on and the local manual dimming control on the side of the illuminator must be turned to minimum (fully counter clockwise)

### EMERGENCY WHITE LIGHT DIMMING

During normal manual white light operation the emergency light configured illuminator can be dimmed from maximum light at 0%, to no light at 10% then again up to maximum light at 100% using the manual dimming control on the side panel.

### DECORATIVE COLOR OR TWINKLE WHEEL CONTROL - WITHOUT SENSOR

During normal manual decorative operation the illuminator can be dimmed from 0 to 100% using the manual dimming control and the motor can be controlled from stop to 5 speeds (see table below) using the push button manual motor control on the side panel.

**Note:** When manually selecting stop (switch position 6) the decorative wheel will stop instantly on a random color (color wheel) or a random section of the twinkle wheel

| Switch Position | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Speed (RPM) | 0.5 | 1.2 | 2.4 | 4 | 7.5 | Stop |

## MANUAL OPERATION

### DECORATIVE COLOR WHEEL CONTROL - WITH SENSOR

During normal manual decorative operation the illuminator can be dimmed from 0 to 100% using the manual dimming control and the motor can be controlled from stop to 4 speeds (see table below) using the push button manual motor control on the side panel.

**Note:** When manually selecting stop (switch position 5) the decorative wheel will automatically return to color 1 (normally white)

| Switch Position | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Speed (RPM) | 1.6 | 2.6 | 3.75 | 5.5 | Stop |

### DECORATIVE TWINKLE WHEEL CONTROL - WITH SENSOR

During normal manual decorative operation the illuminator can be dimmed from 0 to 100% using the manual dimming control and the motor can be controlled with stop + 4 speeds ranging from very slow to fast using the push button manual motor control on the side panel.

**Note:** For this configuration the twinkle wheel is supplied with a cut out segment. The wheel in motion will give an uninterrupted twinkle by rotating backwards and forwards either side of the segment. When stop is selected the wheel will come to rest at the segment giving unobstructed white light output.

| Switch Position | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Speed (RPM) | 1.6 | 2.6 | 3.75 | 5.5 | Stop |

## DMX OPERATION

Each Sirius occupies 3 DMX channels

- Channel 1 dimming
- Channel 2 decorative wheel control
- Channel 3 LED and fan ON/OFF control

Decorative wheel DMX functions are different depending on decorative model. More details on individual DMX channels and values are provided in the following DMX tables

**Note**: For ALL DMX operations, DIP switch 10 on the illuminator must be set to off, the correct DMX address must be set (switches 1-9) and the XLR plug(s) must be plugged into the XLR sockets on the side panel.

## DMX OPERATION

### SETTING THE DMX ADDRESS

Because the Sirius occupies 3 DMX channels, when setting addresses on multiple illuminators the addresses must be selected to give 3 channel separation. For example, if the first address is 009, the next address must be at least 012, the next address must be at least 015 and so on. Any illuminators with the same address will operate identically under DMX control.

The DMX address is set manually using the DIP switch on the side panel of the Sirius. Each DIP switch number (1 to 9) represents a binary number which when added together make up the DMX address as shown in the table below.

| Switch Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| Function | DMX Address | DMX Address | DMX Address | DMX Address | DMX Address | DMX Address | DMX Address | DMX Address | DMX Address | Function select On - manual or 0-10V<br><br>Off - DMX |
| Value | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 | 256 | |
| Addresses are additive - for example, switches 2,5,7 on = address 082 | | | | | | | | | | |

Alternatively use the online calculator from link below:
http://www.sabretechnology.co.uk/calc.asp

### WHITE LIGHT DIMMING

The illuminator can be dimmed on DMX channel 1 and controlled on DMX channel 3 as detailed in Table A. DMX Channel 2 is redundant.

## DMX OPERATION

### DECORATIVE COLOR OR TWINKLE WHEEL CONTROL - NO SENSOR

For this configuration of a decorative wheel without sensor:

- The Twinkle wheel is solid with no cut out segment. The wheel in motion will give a continuous twinkle effect. When stopped the wheel will remain in front of the LED array giving an obstructed white light output
- The color wheel when stopped will display the color where it stopped

The illuminator decorative wheel can be controlled on DMX channel 2 as shown in table A.

The Illuminator can be controlled as detailed in Table A

### SIRIUS DMX CHANNELS - TABLE A

Each Sirius occupies 3 DMX channels as detailed below.

| Channel | Function | Value | Description |
|---|---|---|---|
| 1 | Dimming | 0-255 | From off at 0 to bright at 255 |
| 2 | Decorative wheel | 0 | Wheel at stop |
| 2 | Decorative wheel | 1-255 | Varying rotation speeds from very slow to 7.5rpm max. |
| 3 | LED and fan | 0-250 | LED and fan on |
| 3 | LED and fan | 251-255 | LED and fan off |

### DECORATIVE COLOR OR TWINKLE WHEEL CONTROL - WITH SENSOR

For this configuration of a decorative wheel with sensor:

- The Twinkle wheel has a cut-out segment. The wheel in motion will give an uninterrupted twinkle by rotating backwards and forwards either side of the cut-out segment. When stopped the wheel will return to the cut-out segment and display unobstructed white light
- The color wheel when stopped will return to color wheel segment 1 (normally white)

The Illuminator can be controlled as detailed in Table B for Color Wheel with sensor and Table C for Twinkle Wheel with sensor

## DMX OPERATION

### SIRIUS DMX CHANNELS - TABLE B

Each Sirius occupies 3 DMX channels as detailed below.

| Channel | Function | Value | Description |
|---|---|---|---|
| 1 | Dimming | 0-255 | From off at 0 to bright at 255 |
| 2 | Decorative wheel | 0-10 | White - snap to color (color 1) |
| 2 | Decorative wheel | 11 | Yellow - snap to color (color 2) |
| 2 | Decorative wheel | 21 | Green - snap to color (color 3) |
| 2 | Decorative wheel | 31 | Orange - snap to color (color 4) |
| 2 | Decorative wheel | 41 | Magenta - snap to color (color 5) |
| 2 | Decorative wheel | 51-70 | Blue - snap to color (color 6) |
| 2 | Decorative wheel | 71 | Magenta - snap to color (color 5) |
| 2 | Decorative wheel | 81 | Orange - snap to color (color 4) |
| 2 | Decorative wheel | 91 | Green - snap to color (color 3) |
| 2 | Decorative wheel | 101 | Yellow - snap to color (color 2) |
| 2 | Decorative wheel | 111 | White - snap to color (color 1) |
| 2 | Decorative wheel | 128-188 | |
| 2 | Decorative wheel | 189-255 | Fast to slow rotation ctr clockwise |
| 3 | LED and fan | 0-250 | LED and fan on |
| 3 | LED and fan | 251-255 | LED and fan off |

## DMX OPERATION

### SIRIUS DMX CHANNELS - TABLE C

Each Sirius occupies 3 DMX channels as detailed below:

| Channel | Function | Value | Description |
|---|---|---|---|
| 1 | Dimming | 0-255 | From off at 0 to bright at 255 |
| 2 | Twinkle wheel | 0 | Wheel at stop at cut out segment giving full white light |
| 2 | Twinkle wheel | 1-255 | Varying backwards and forward rotation from very slow to 7.5rpm at maximum |
| 3 | LED and fan | 0-250 | LED and fan on |
| 3 | LED and fan | 251-255 | LED and fan off |

## 0-10V OPERATION

For ALL 0-10V operation control DIP switch 10 on the Sirius illuminator side panel must be set to ON and in addition:

- For 0-10V dimming the Manual Dimming Control on the Sirius illuminator side panel must be set to minimum (fully counter clockwise) and the RJ45 plug must be plugged into the right hand (0-10V dimming) RJ45 socket on the side panel.
- For 0-10V decorative wheel control the Manual Motor Control on the Sirius illuminator side panel must be set to STOP and the RJ45 plug must be plugged into the left hand (0-10V motor.

### STANDARD WHITE LIGHT DIMMING

Once the Sirius illuminator has been set up and connected as detailed above the illuminator can be dimmed from 0 (0 Volts DC) to 100% (10V DC) with a receiving 0-10V signal.

### EMERGENCY WHITE LIGHT DIMMING

Once the Sirius illuminator has been set up and connected as detailed above the illuminator can be dimmed with a receiving 0-10V signal as detailed in the table below:

| Function | Value (DC) | Description |
|---|---|---|
| Maximum Light | 0V | Maximum light output - default control emergency mains Failure |
| Minimum Light | 1V | Minimum light output - normal dimming control |
| 0Maximum Light | 10V | Maximum light output - normal dimming control |

**Note:** In this configuration when the mains supply to the 0-10V controller fails, the illuminator will illuminate fully as an emergency light.

## 0-10V OPERATION

### DECORATIVE COLOR OR TWINKLE WHEEL CONTROL - NO SENSOR

Once the Sirius illuminator has been set up and connected as detailed above the illuminator decorative wheel can be controlled with a receiving 0-10V signal from stop at 0V to 7.5rpm at 10V

**Note:** For this configuration the twinkle wheel is solid without a cut out segment.

### DECORATIVE COLOR OR TWINKLE WHEEL CONTROL - WITH SENSOR

Once the Sirius illuminator has been set up and connected as detailed above the illuminator decorative wheel can be controlled with a receiving 0-10V signal as detailed in the following table:

| Function | Value (DC) | Description |
|---|---|---|
| Color Wheel | 0V | White (color 1) |
| Color Wheel | 0.3V | Yellow (color 2) |
| Color Wheel | 0.8V | Green (color 3) |
| Color Wheel | 1.2V | Orange (color 4) |
| Color Wheel | 1.6V | Magenta (color 5) |
| Color Wheel | 2.0V | Blue (color 6) |
| Color Wheel | 2.8V | Magenta (color 5) |
| Color Wheel | 3.2V | Orange (color 4) |
| Color Wheel | 3.6V | Green (color 3) |
| Color Wheel | 4.0V | Yellow (color 2) |
| Color Wheel | 4.4V | White (color 1) |
| Color Wheel | 5V - 7.3V | Slow to fast clockwise |
| Color Wheel | 7.4V - 10V | Fast to slow counter clockwise |

# OPERATION

## 0-10V OPERATION

### DECORATIVE TWINKLE WHEEL CONTROL - WITH SENSOR

Once the Sirius illuminator has been set up and connected as detailed above the illuminator decorative wheel can be controlled with a receiving 0-10V signal to give stop (0V DC) to varying speeds (0.5 to 10V DC) ranging from very slow to fast.

**Note:** For this configuration of a twinkle wheel with sensor, the wheel is supplied with a cut out segment. The wheel in motion will give an uninterrupted twinkle by rotating backwards and forwards either side of the segment. When 0V is selected the wheel will come to rest at the segment giving unobstructed white light output.

# MAINTENANCE

## MAINTENANCE LOG

| Date | Maintenance Undertaken |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |

**Note:** A record of all maintenance MUST be kept in the table above, indicating what maintenance was undertaken and when. This MUST be dated for warranty purposes.

| Problem | Probable Cause(s) | Remedy |
|---|---|---|
| Unit is dead - no light output and PSU power indicator is out | Mains supply off | Check supply and reinstate |
| | Loose mains plug | Check plugs |
| | Plug blown fuse (UK) | Check fuse & replace if necessary |
| | PSU failed | Replace PSU |
| Unit is dead - no light output but PSU power indicator is lit [1] | Dimming control at minimum | Adjust brightness on dimmer control |
| | DIP switch no. 10 not switched ON | Switch DIP switch no. 10 ON |
| | LED array or drive failure | Contact UFO |
| Decorative wheel is not turning [2] | Motor control at minimum | Adjust motor control |
| | DIP switch no. 10 not switched ON | Switch DIP switch no. 10 ON |
| | Driver circuit or motor failure | Contact UFO |
| Unit is not responding to DMX control [3] | DIP switch no. 10 is switched ON | Switch DIP switch no. 10 OFF |
| | DMX address not correctly set | Set correct DMX address |
| | No DMX signal from controller | Check DMX controller settings |
| | Wiring fault on DMX cables | Check cables and repair/replace |
| | Driver circuit failure | Contact UFO |
| Not responding [4] | DIP switch no. 10 not switched ON | Switch DIP switch no. 10 ON |
| | No 0-10V signal at illuminator due to cable or controller fault | Check input to illuminator using a DMM set to correct range & rectify cable/controller fault |
| Wheel rotates between 0v & 0.25v [4] | Manual motor control (page 5) not set to stop | Set manual motor control to stop |
| Responding on wrong channels [4] | RJ45 connector in wrong socket on illuminator | Plug into correct socket |
| Not responding [5] | Manual dimming control not set to minimum | Turn manual dimmer control fully counter clock-wise |
| Not responding [6] | If none of above, driver circuit failure | Contact UFO |
| Poor light output on fiber | Illuminator dimmed manually or by 0-10V or DMX control | Check and increase dimmer settings |
| | LED driver / array failure | Contact UFO |

[1] - white light manual dimming version / [2] - decorative manual motor version / [3] - DMX only
[4] - decorative or dimming 0-10V control / [5] - dimming 0-10V control / [6] - 0-10V control

# TECHNICAL SPECIFICATION

| Description | Details |
|---|---|
| Port connector size | 30mm diameter |
| Fiber type | Glass / PMMA |
| Mains Supply Voltage | 100-240V AC, 50-60Hz |
| PSU Output | 24V DC, 76W minimum |
| LED Power | 90W |
| Led Type | White light |
| Mains Running Current | 460mA max. |
| Cool white LED array | 5500K, 75CRI, 5700lm |
| Studio white LED array | 5300K, 88CRI, 4650lm |
| Neutral white LED array | 4000K, 82CRI, 5300lm |
| Warm white LED array | 3000K, 83CRI, 4650lm |
| Gallery white LED array | 3000K, 98CRI, 3450lm |
| Gallery White 27 LED array | 2700K, 98CRI, 3450lm |
| DMX | User addressable 6 channels (0-255) |
| LED Life | 50,000 hours typical |
| DMX | User addressable (0-255) dimming, effects wheel control and on/off |
| Control Functionality | Manual / DMX/ 0-10V |
| Operating Environment | Indoor / dry |
| Min Ambient Temperature | -10°C |
| Max Ambient Temperature | +45°C |
| Material | Aluminium |
| Finish | Grey powdercoat |
| Dimensions (L x W x H) / Weight | White light - 278mm x 152mm x 127mm / 2.22kg<br>Decorative - 278mm x 152mm x 127mm / 2.41kg |



DESIGN



SPECIFY



BUILD



INSTALL

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