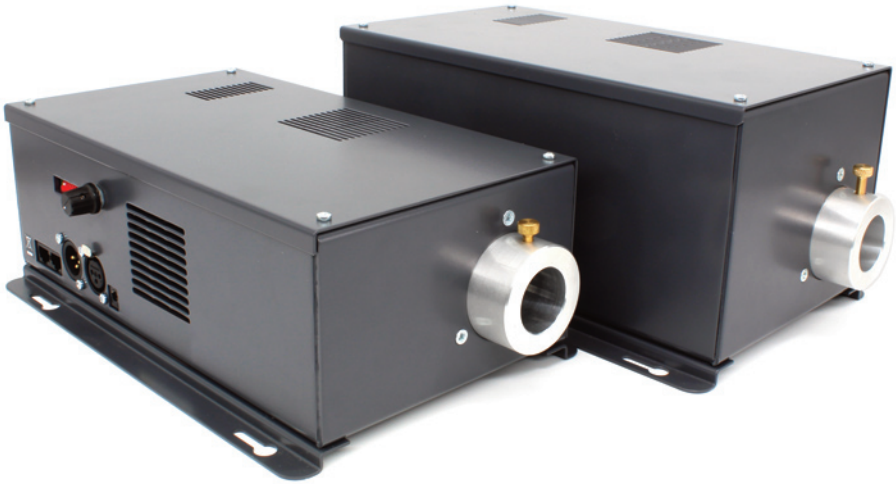
PRODUCT USER GUIDE

Sirius Light Source Range

Rev: C7



PLEASE READ THIS USER GUIDE BEFORE INSTALLING, OPERATING OR PERFORMING MAINTENANCE ON THE LIGHT SOURCE 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 light source/luminaire.

To ensure that the light source 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 light sources are not mains dimmable.

The LED array and heatsink in this light source 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 light source 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 fibre port of the light source.

Warning: The luminaire should be positioned so that prolonged 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.

MODEL TYPES

The Sirius LED light source 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	Colour 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 light source with optional decorative wheel capability. The Sirius LED light source 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 colour

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

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 colours 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)

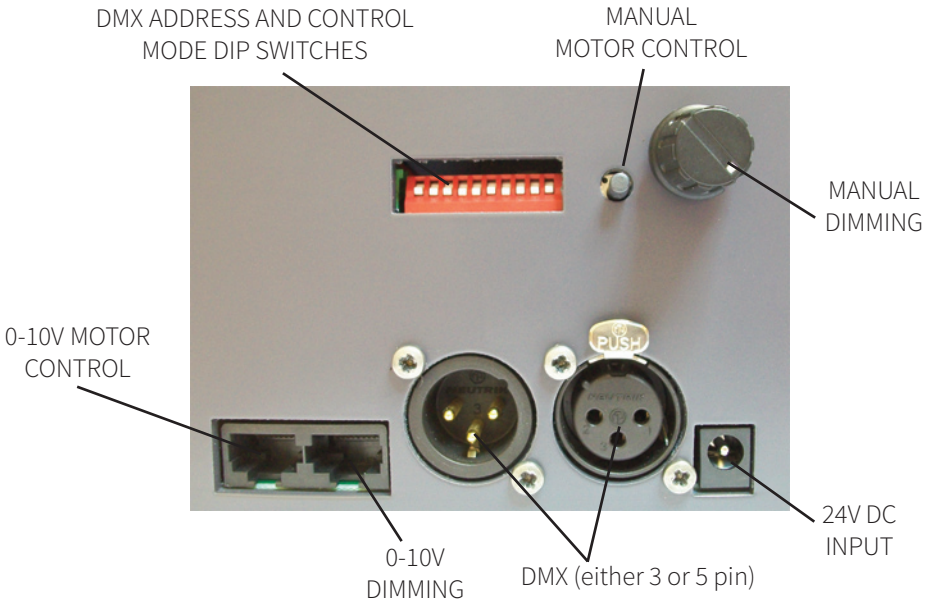
8. Sensor - 0-10v decorative wheel control, snap colours and adjustable speed from stop up to 7.5rpm - channel 1 (receiving)

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 colour wheel
UFOSIRSW-C	White light LED - 5300K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel
UFOSIRNW-C	White light LED - 4000K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel
UFOSIRWW-C	White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel
UFOSIRGW-C	White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel
UFOSIRGW27-C	White light LED - 2700K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel
UFOSIRCW-Cs	White light LED - 5500K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel with sensor
UFOSIRSW-Cs	White light LED - 5300K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel with sensor
UFOSIRNW-Cs	White light LED - 4000K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel with sensor
UFOSIRWW-Cs	White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel with sensor
UFOSIRGW-Cs	White light LED - 3000K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour wheel with sensor
UFOSIRGW27-Cs	White light LED - 2700K - manual, DMX or 0-10V dimming and wheel control, 6 segment colour 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 light source 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 light source 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 light source can now be fixed to the mounting surface.

CONNECTION - FOR LOCAL MANUAL OPERATION

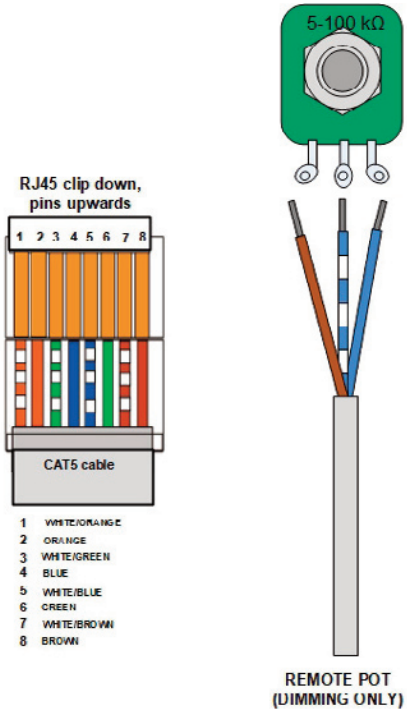
There are 2 connections required – the fibre port and the mains supply cable. The fibre port should be connected first. Connect and secure the fibre optic connector into the collar and secure using the M5 locking screw.

Connect the PSU to the DC input jack socket on the light source, 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 light source 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 fibre port, the remote dimmer cable and the mains supply cable. The fibre port should be connected first. Connect and secure the fibre 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 light source.

Connect the PSU to the DC input jack socket on the light source, 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 light source 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)

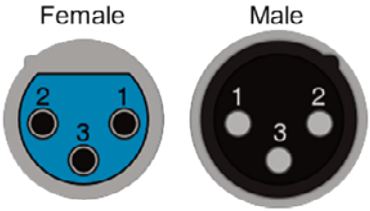
CONNECTION - FOR DMX OPERATION

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

Connect the PSU to the DC input jack socket on the light source, 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 light source is ready for use. If no light is produced consult the TROUBLESHOOTING section of this user guide.

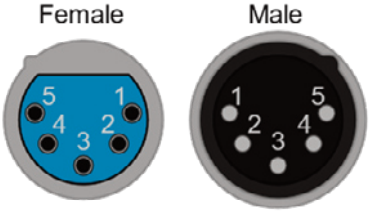
Connect to the 3 or 5 pin XLR sockets on the side panel as detailed below using an approved DMX cable.

3 PIN VARIANTS



Pin	Description
1	Ground/Shield
2	Data - (cold)
3	Data + (hot)

5 PIN VARIANTS



Pin	Description
1	Ground/Shield
2	Data - (cold)
3	Data + (hot)
4	Not used
5	Not used

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-.

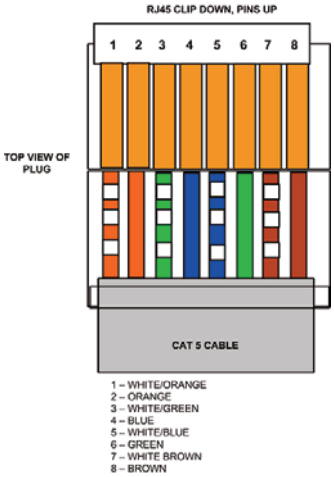
CONNECTION - FOR 0-10V OPERATION

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

Connect the PSU to the DC input jack socket on the light source, 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 light source 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 light source must be maintained so that failure of the mains supply to the 0-10V controller will result in the light



0-10V RJ45 Connections:

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

POWER SUPPLY REQUIREMENTS

The LED light source 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 light source 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 light source can be dimmed from 0 to 100% using the remote dimming control.

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

EMERGENCY WHITE LIGHT DIMMING

During normal manual white light operation the emergency light configured light source 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 COLOUR OR TWINKLE WHEEL CONTROL - WITHOUT SENSOR

During normal manual decorative operation the light source 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 colour (colour 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 COLOUR WHEEL CONTROL - WITH SENSOR

During normal manual decorative operation the light source 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 colour 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 light source 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 light source 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 light sources 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 light sources 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 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 light source 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 COLOUR 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 colour wheel when stopped will display the colour where it stopped

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

The Light Source 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 COLOUR 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 colour wheel when stopped will return to colour wheel segment 1 (normally white)

The Light Source can be controlled as detailed in Table B for Colour 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 colour (colour 1)
2	Decorative wheel	11	Yellow - snap to colour (colour 2)
2	Decorative wheel	21	Green - snap to colour (colour 3)
2	Decorative wheel	31	Orange - snap to colour (colour 4)
2	Decorative wheel	41	Magenta - snap to colour (colour 5)
2	Decorative wheel	51-70	Blue - snap to colour (colour 6)
2	Decorative wheel	71	Magenta - snap to colour (colour 5)
2	Decorative wheel	81	Orange - snap to colour (colour 4)
2	Decorative wheel	91	Green - snap to colour (colour 3)
2	Decorative wheel	101	Yellow - snap to colour (colour 2)
2	Decorative wheel	111	White - snap to colour (colour 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 light source side panel must be set to ON and in addition:

- For 0-10V dimming the Manual Dimming Control on the Sirius light source 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 light source 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 light source has been set up and connected as detailed above the light source 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 light source has been set up and connected as detailed above the light source can be dimmed with a receiving 0-10V signal as detailed in the table below:

0-10V OPERATION

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 light source will illuminate fully as an emergency light.

DECORATIVE COLOUR OR TWINKLE WHEEL CONTROL - NO SENSOR

Once the Sirius light source has been set up and connected as detailed above the light source 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 COLOUR OR TWINKLE WHEEL CONTROL - WITH SENSOR

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

0-10V OPERATION

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

DECORATIVE TWINKLE WHEEL CONTROL - WITH SENSOR

Once the Sirius light source has been set up and connected as detailed above the light source 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

To ensure a long working life and the safe, reliable operation of the light source, 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 light souce it should be disconnected from the power supply and allowed to cool down.

• The light source 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 light source 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 light source 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 light source 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 light source may become hot - keep away from all combustible materials and **DO NOT** locate this light source within 200mm (8") of any flammable surface.

• The light source must not be run without the fibre optic harness fitted.

MAINTENANCE LOG

Date	Maintenance Undertaken

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	Replace light source
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 light source due to cable or controller fault	Check input to light source 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 light source	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 fibre	Light source 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
Fibre 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 Decorative - 278mm x 152mm x 127mm / 2.41kg

United Kingdom • United States • Germany • Europe • UAE

Universal Fibre Optics Ltd
Home Place \ Coldstream
TD12 4DT \ UK
+44 (0)1890 883416
www.ufo.lighting

Universal Fiber Optics USA LLC
1749 Northgate Blvd
Sarasota \ FL34234 \ USA
941-343-8115
www.fiberopticlighting.com

UFO Licht GmbH
Andreasstraße 1
93059 Regensburg \ Deutschland
+49 (0)9491 955880
www.ufo-licht.de