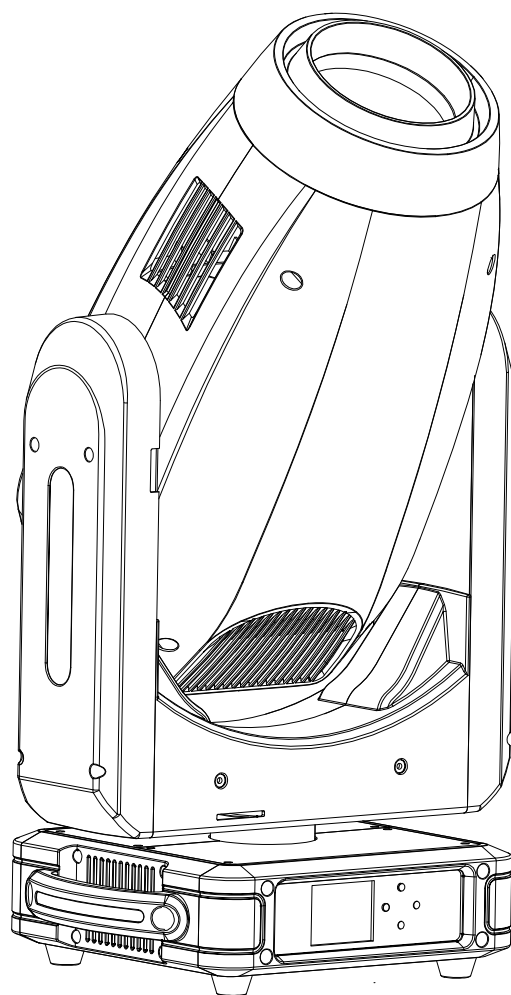


# 380W Hybrid Fixture

## USER MANUAL



**User Manual**

Please read the instruction carefully before use

# Summary

3-Introduction

6-Display

9-Dimension

10-Installation instructions

11-DMX chart

19-Error messages

20-Technical parameter

## INTRODUCTION

Thank you for selecting the 380W hybrid luminaire.

### **WARNING !**

This product is not suitable for household use.

You now own a professional lighting unit that offers endless possibilities.

Before installing, make sure that no damage was done to your luminaire during transport.

For your own safety and that of others, please read this instruction manual carefully before installing the unit.

Anyone involved in installing, operating or servicing the 460W LED hybrid fixture must:

- Be a qualified, authorized professional
- Strictly follow the instructions in this user manual.

Please take the time to read this manual carefully and thoroughly before installing and operating the luminaire. You should have a good knowledge of its operating conditions and all pertinent product information.

After you have become familiar with this manual, we recommend that you keep a copy for future use.

## **SAFETY INSTRUCTIONS**

Please read the safety instructions and warnings in this manual carefully before installing and operating the 460W LED hybrid fixture

### **WARNING!**

Risk of electric shock.

Use caution when handling. This luminaire requires high voltage, which can result in electric shock.

The 380W hybrid fixture left our factory in perfect working condition.

However, if you notice a defect, immediately contact our factory before use.

Failure to observe the safety, installation or assembly instructions

contained herein, or any modification made to the 380 hybrid fixture will render the warranty null and void.

Check that the supply voltage does not exceed the maximum authorized limit. Check that your electrical installation complies with current standards.

In all cases, make sure that the power cables attached to your 380W hybrid fixture have not been damaged due to cuts and splices or crushed in any way.

Handle these cables with extreme caution while they are connected to a power source.

Your 380W LED hybrid fixture conforms to Class 1 safety standards. The unit must be grounded electrically. Make sure that the power source connected to your 380W hybrid fixture is switched off before attempting any work on it.

Installation and connection to an electrical source must be performed by an authorized installer.

Our factory declines all responsibility should this luminaire be installed by an unqualified person.

Never disconnect your 380W hybrid fixture by pulling on the power cable! First unlock the connector lock ring on the power cable until it is fully disengaged, and then gently pull on the connector to disconnect the cable.

Do not connect or disconnect the power cable of your 380W hybrid fixture with wet hands.

At first use, your 380W hybrid fixture may give off an odor. This is a normal occurrence that should dissipate after a few minutes of operation.

### **WARNING!**

Do not connect or disconnect the power cable at your 380W hybrid fixture if the cable is energized! This could cause arcing and damage your 380W hybrid fixture, requiring repair.

Be careful to power off your 380W hybrid fixture by removing the power plug from the source, before connecting or disconnecting the luminaire.

## **WARNING!**

Never look directly into the lamps if lit or stand directly in line with the luminaire if close by. Installation, removal or replacement of the unit must be performed with power off to prevent any risk of glare and eye injury.

## **WARNING!**

**The fixture quickly becomes very hot during operation.**

To avoid risk of burn, never handle or adjust the luminaire while it is energized and after it has been lit for more than 10 consecutive minutes. Some parts of the luminaire can reach a high temperature, particularly the body/radiator. Turn off the luminaire and wait for it to cool before handling.

## **CONDITIONS OF USE**

Your 380W hybrid fixture is a moving-head luminaire equipped with OSRAM SIRIUS HRI 370W LL intended for professional use (e.g., architectural, stage, television, theater, or museum lighting).

The 380W hybrid fixture has an IP20 protection rating. It is intended strictly for indoor use. It must never be partially or fully submerged, even temporarily.

Condensation may form on your 380W hybrid fixture in the following cases:

- Immediately after turning on the heating
- In places with fog or a high level of humidity
- When the luminaire is suddenly moved from a cold to a warm environment, or vice versa.

In such cases, you must wait until the luminaire readjusts to the ambient temperature of the room where it will be installed for operation.

Do not shake the 380W hybrid fixture while installing or handling.

Do not pull the 380W hybrid fixture by one of its cables to move it. Lift the luminaire by its handles.

Choosing the appropriate place to install the 380 hybrid fixture is essential. The following points should be observed:

- Do not expose it to a heat source.
- Do not install it near flammable materials.
- Be sure that dust or miscellaneous debris cannot clump around the proper operation body of the luminaire as this may interfere with its optimal cooling and
- The 380W hybrid fixture must be installed out of reach of the public and all persons not authorized to operate the luminaire.

We recommend a minimum distance of 5 m between the outside surface of the light and the illuminated object.

Due to the nature of its cooling principle, you should never prevent air from circulating around the body of the luminaire. You must provide a minimum clearance around your 380W hybrid fixture to allow for cooling.

The 380W hybrid fixture can be installed in a ground pit or any other confined enclosure only under certain conditions. With this kind of installation, a system of forced ventilation should be used up to allow air to circulate freely around the luminaire(s). The air must be constantly renewed because the luminaire cannot be operated in closed system. Failure to comply with these requirements may destroy or prematurely wear the 380W hybrid fixture, and our company cannot be held responsible.

No load should be placed on the 380W hybrid fixture. The fixture must not be installed in such a way as to allow a person, vehicle or any object to run over or park on it.

Never lay or drop any hard, heavy, or blunt objects on the 380W hybrid fixture. This includes items made of glass or porcelain (e.g., bottles, dishware, or glass beads). The luminaire is made of materials such as plastic and extruded aluminum, making it resistant but not unbreakable. Objects made of hard materials such as steel or glass that fall on the unit may cause breakage of the plastic parts or the body. Our company cannot be held responsible for the luminaire's broken plastic parts or body, which are not covered under warranty.

The temperature of the room where the 380W hybrid fixture is installed must never exceed 45°C (Ta = 45°C).

The 380W hybrid luminaire requires a 110-240 VAC supply voltage. Check that your luminaires have been installed for an application that is compatible with this information.

Check that the brackets on which you hang or attach your 380W hybrid fixture can sustain the weight of the luminaire (23kg), taking into consideration all necessary safety factors.

Do not use your 380W hybrid fixture before being familiar with these recommendations and do not allow unqualified personnel to handle the product.

To transport your 380W hybrid fixture, we strongly recommend that you use the complete original packaging, including the dense protective foam inserts.

If your 380 hybrid fixture is not being used for a long period, you should disconnect the luminaire from the power source.

Never dispose of the fixture in a rubbish bin.

## **PRESENTATION AND FEATURES**

The 380W hybrid fixture is a non-waterproof moving head wash light (IP20 protection rating) using the latest generation of high-performance of LED-type lamps.

This luminaire can be controlled remotely by an external DMX512 signal.

The 380W hybrid fixture incorporates high power white LED source.

The luminaire requires from 27 to 36 DMX channels to be controlled via

an external command system that sends a DMX512 signal (see below for details).

To adjust the settings on the 380W hybrid fixture (i.e., DMX address, DMX operating mode and other options), a Remote Device Management (RDM)-type DMX controller may be required. The DMX RDM protocol is a universal, widely used standard.

A light console or any standard DMX-type controller is sufficient.

The 380W hybrid fixture consists of a metal frame and plastic covers. The power connectors and DMX512 signal connectors are on the back of the fixture's base.

**Display:** To show the various menus and the selected function.

**Button:**

<b>MENU</b>	To enter into move backward or leave the menu
<b>UP</b>	To go backward to move up in the menu
<b>DOWN</b>	To go to move down in the menu
<b>ENTER</b>	To perform the desired functions

**ETHERNET:** Transfers fixture's information to a main controller.

**DMX input :** For DMX 512 operation, use 3/5-pin XLR plug cable to link the units together

**DMX output:** For DMX512 operation, use 3/5 pin XLR plug cable to link the units together

## 5. How To Set The Unit

### 5.1 Main Function

Turn on the unit, press the **MENU** button into menu mode, and press the **UP/DOWN** button until the required function is shown on the monitor. Select the function by the **ENTER** button. Use the **UP/DOWN** button to choose the submenu, press the **ENTER** button to store and automatically return to the last menu. Press the **MENU** button or let the unit idle one minute to exit menu mode.

In the event of disconnecting with mains power, press the **UP** button for one minute to enter into menu mode. Press **MENU** button or let the unit idle one minute to exit.

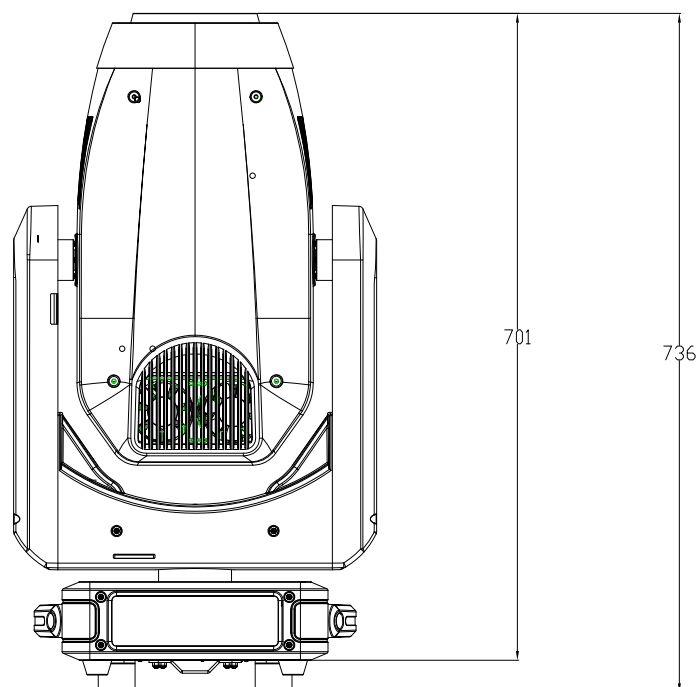
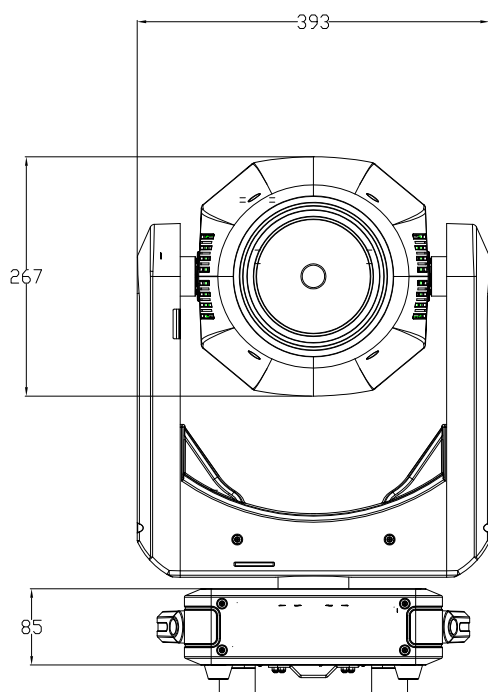
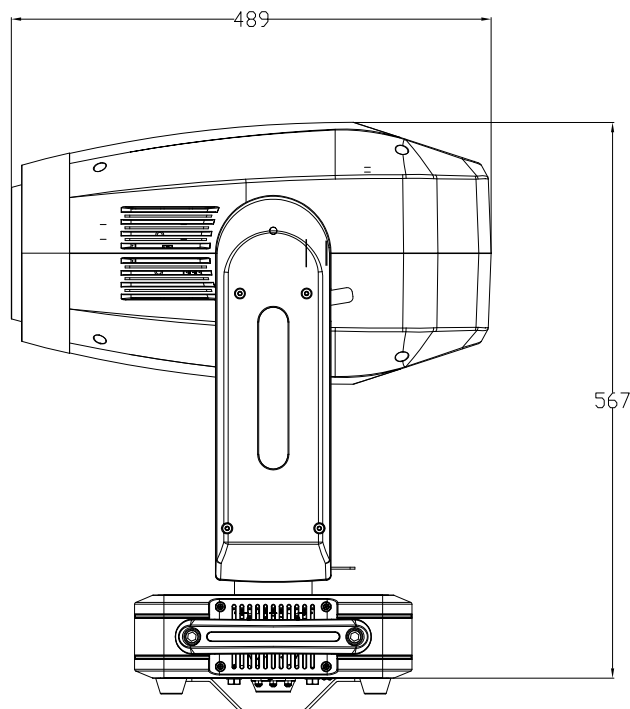
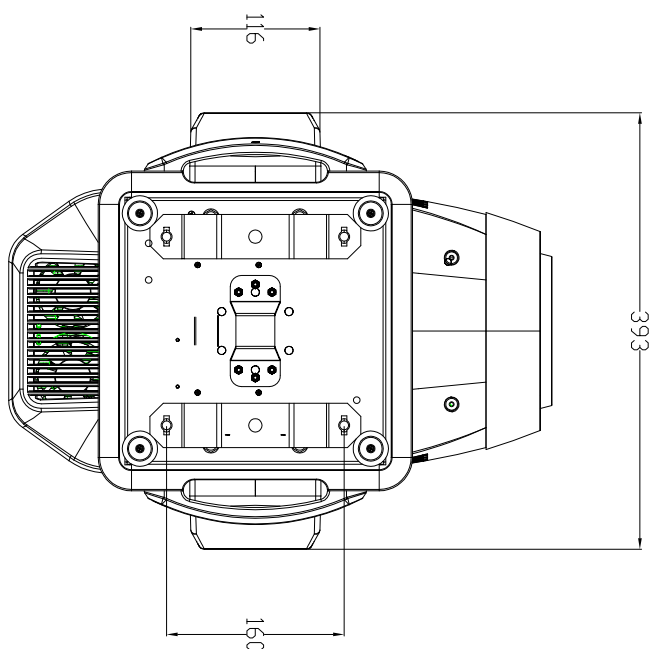
The main functions are shown below:

Mode	Signal select	DMX	
		Artnet	
	Manual Control	Control	000-255
		Frost	000-255
		Prisms 2 Rot	000-255
		Prism 2	000-255
		Prism 1 Rot	000-255
		Prism 1	000-255
		Animation	000-255
		Fix Gobo Wheel	000-255
		Gobo Rot	000-255
		Rot Gobo Wheel	000-255
		Colour wheel 3	000-255
		Colour wheel 2	000-255
		Colour wheel 1	000-255
		Yellow	000-255
		Magenta	000-255
		Cyan	000-255
		Auto Focus Fine	000-255
		Auto Focus	000-255
		Focus	000-255
		Zoom	000-255
		Dimmer	000-255
		Strobe	000-255
		Pan/Tilt Speed	000-255
		Tilt Fine	000-255
		Tilt	000-255
		Pan fine	000-255
		Pan	000-255
	Sound	Sensitivity	
	Auto	Auto Speed	
	Slave		
	DMX Mode	27CH/36CH	
Address	001-512		

INFO	Software Ver	V1.00	
	IP Info	000.000.000.000 255.000.000.000	
	Time Info	Current Time	On
		Lamp Run Time	On
		Total Run Time	On
ETHERNET	Set IP	002.131.217.000	
		002.131.217.255	
	Set Universe	000-255	
	Set Mask IP	255.000.000.000	
		255.000.000.255	
SET	Language	English/Chinese	
	Reset Default	ON/OFF	
	Motor Reset	All, Other, Gobo, Colour,Pan&Tilt	
	Calibrate	Password (000-255),Frost,Prism2 Rot, Prism2, Prism 1 Rot,Prism 1,Focus,Zoom,Animation, Fix Gobo Wheel, Gobo Rot, Rot Gobo Wheel,Yellow, Magenta,Cyan,Dimmer ,Tilt,Pan	
	Encoders	ON/OFF	
	Tilt reverse	ON/OFF	
	Pan Reverse	ON/OFF	
	DMX Fail	Hold/Blackout	
	Temp Unit	Celsius/Fahreheit	
	Keylock	ON/OFF	
	Display	ON/OFF	
	Display Reverse	ON/OFF	
LAMP CONTROL	Lamp Off/On		
	Automatic On		



# Dimension



## **INSTALLATION INSTRUCTIONS.**

This luminaire should be installed by a qualified technician.

The fixture should be used in an environment with a temperature between -5°C and +45°C. Do not operate the luminaire outside this temperature range.

The luminaire must be hung so that the weight of this unit multiplied by 10 can be sustained for 1 hour without causing the suspension system or the supporting structure to be deformed.

The installation must always be secured at a second attach point, e.g., by a safety cable of the appropriate size.

Do not stand under the luminaire while it is being installed, dismantled or serviced.

The operator must ensure that a qualified technician has approved the installation of the luminaire for safety before it is first operated.

Installation should be inspected once a year by a qualified technician.

### **WARNING!**

The installation of this luminaire must be validated by a qualified technician before it is used for the first time.

The luminaire should be installed in a location where the public cannot, touch, walk or sit on the luminaire.

Suspending the luminaire and/or installing it high up requires considerable experience, e.g., calculating load, selecting and adapting quality fastening materials, and periodically inspecting the entire installation. Without this skill and knowledge, do not attempt to install this unit by yourself. Improper installation may cause an accident resulting in personal injury or death.

### **WARNING!**

The luminaire should be connected to an electrical source by a qualified electrician.

Before installing the luminaire make sure that the selected installation spot can support at least 10 times the weight of the unit. Connect the luminaire to the power source by the power cord.

## DMX 512 Configuration

Please refer to below configurations to control the fixtures

Attentions:

1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
2. For the channel Function, keep the value for about 5 seconds, then the corresponding function will take into effect.

Mode		Value	Function
27CH	36CH		
1	1		<b>Pan Movement 8bit:</b>
		0-255	Pan Movement
2	2		<b>Pan Fine 16bit</b>
		0-255	Fine control of Pan movement
3	3		<b>Tilt Movement 8bit:</b>
		0-255	Tilt Movement
4	4		<b>Tilt Fine 16bit</b>
		0-255	Fine control of Tilt movement
5	5		<b>Speed Pan/Tilt movement:</b>
		0-255	max to min speed
6	6		<b>Shutter,stroke</b>
		0-10	Shutterclosed
		11-21	Shutteropen
		22-126	Strobe effect slow to fast
		127-137	Shutteropen
		138-201	Pulse-effect in sequences
		202-212	Shutteropen
		213-244	Random strobe effect slow to fast
		245-255	Shutteropen
7	7		<b>Dimmer intensity:</b>
		0-255	Intensity0 to 100%
	8		<b>Dimmer intensity Fine:</b>
		0-255	Dimmer intensityfine
8	9		<b>Zoom:</b>
		0-255	Zoom adjustmentfrom small to big

	10		<b>Zoom Fine:</b>
		0-255	Zoom adjustmentFine
9	11		<b>Focus:</b>
		0-255	Continuousadjustmentfrom near to far
	12		<b>Focus Fine:</b>
		0-255	ContinuousadjustmentFine
10	13		<b>Auto Focus:</b>
		0-51	Auto Focus Off
		52-102	5m
		103-153	7.5m
		154-204	10m
		205-255	15m
11	14		<b>Auto Focus Fine:</b>
		0-255	ContinuousadjustmentFine
12	15		<b>Cyan Color:</b>
		0-255	Cyan (0-white,255-100% Cyan)
	16		<b>Cyan Color Fine:</b>
		0-255	Cyan Fine
13	17		<b>Magenta Color:</b>
		0-255	Magenta (0-white,255-100% Magenta)
	18		<b>Magenta Color Fine:</b>
		0-255	Magenta Fine
14	19		<b>Yellow Color:</b>
		0-255	Yellow (0-white,255-100% Yellow)
	20		<b>Yellow Color Fine:</b>
		0-255	Yellow Fine
			<b>Color Wheel 1:</b>
		0-31	Open

15	21	32-63	Color1
		64-95	Color2
		96-127	Color3
		128-159	Color4
		160-191	Color5
		192-223	Color6
		224-255	Color7
16	22		<b>Color Wheel 2:</b>
		0-31	Open
		32-63	Color1
		64-95	Color2
		96-127	Color3
		128-159	Color4
		160-191	Color5
		192-223	Color6
		224-255	Color7
17	23		<b>Color Wheel 3:</b>
		0-31	Open
		32-63	Color1
		64-95	Color2
		96-127	Color3
		128-159	Color4
		160-191	Color5
		192-223	Color6
		224-255	Color7

18	24		<b>Rotating gobos,cont.rotation 1:</b>
		0-7	Open
		8-20	Rot.gobo1
		21-33	Rot.gobo2
		34-46	Rot.gobo3
		47-59	Rot.gobo4
		60-72	Rot.gobo5
		73-85	Rot.gobo6
		86-98	Rot.gobo7
		99-111	Gobo 1 shake slow to fast
		112-124	Gobo 2 shake slow to fast
		125-137	Gobo 3 shake slow to fast
		138-150	Gobo 4 shake slow to fast
		151-163	Gobo 5 shake slow to fast
		164-176	Gobo 6 shake slow to fast
		177-189	Gobo 7 shake slow to fast
		190-221	Gobo wheel rotation forwards from fast to slow
		222-223	No rotation
		224-225	Gobo wheel rotation backwards from slow to fast

19	25		<b>Rotating gobo index,rotating gobo rotation 1:</b>
		0-127	Gobo indexing
		128-189	Forwards gobo rotation from fast to slow
		190-193	No rotation
		194-255	Backwards gobo rotation from slow to fast
	26		<b>Rotating gobo indexing Fine 1:</b>
		0-255	Fine indexing
20	27		<b>Fixed Gobo2:</b>
		0-9	Open
		10-13	Gobo 1
		14-17	Gobo 2
		18-21	Gobo 3
		22-25	Gobo 4
		26-29	Gobo 5
		30-33	Gobo 6
		34-37	Gobo 7
		38-41	Gobo 8
		42-45	Gobo 9
		46-49	Gobo 10
		50-53	Gobo 11
		54-57	Gobo 12
		58-61	Gobo 13
		62-65	Gobo 14
		66-69	Gobo 15
		70-77	Gobo 16
		78-85	Gobo 1 shake slow to fast
		86-93	Gobo 2 shake slow to fast
		94-101	Gobo 3 shake slow to fast

		102-109	Gobo 4 shake slow to fast
		110-117	Gobo 5 shake slow to fast
		118-125	Gobo 6 shake slow to fast
		126-133	Gobo 7 shake slow to fast
		134-141	Gobo 8 shake slow to fast
		142-149	Gobo 9 shake slow to fast
		150-157	Gobo 10 shake slow to fast
		158-165	Gobo 11 shake slow to fast
		166-173	Gobo 12 shake slow to fast
		174-181	Gobo 13 shake slow to fast
		182-159	Gobo 14 shake slow to fast
		190-221	Gobo wheel rotation forwards from fast to slow
		222-223	No rotation
		224-255	Gobo wheel rotation backwards from slow to fast
21	28		<b>Animation wheel:</b>
		0-127	Animation indexing
		128-189	Forwards rotation from fast to slow
		190-193	No rotation
		194-255	Backwards rotation from slow to fast
22	29		<b>Prism 1:</b>
		0-127	Open
		128-255	Prism
23	30		<b>Rotating prism 1 index, rotating prism rotation</b>
		0-127	Prism indexing
		128-189	Forwards prism rotation from fast to slow
		190-193	No rotation
		194-255	Backwards prism rotation from slow to fast



	31		<b>Rotating prism 1 indexing Fine:</b>
		0-255	Fine indexing
24	32		<b>Prism 2:</b>
		0-127	Open
		128-255	Prism
25	33		<b>Rotating prism 2 index,rotating prism rotation</b>
		0-127	Prism indexing
		128-189	Forwards prism rotation from fast to slow
		190-193	No rotation
		194-255	Backwards prism rotation from slow to fast
	34		<b>Rotating prism 2 indexing Fine:</b>
		0-255	Fine indexing
26	35		<b>Frost:</b>
		0-127	Open
		128-255	Frost

27	36		<b>Reset、 LCD</b>
		0-9	unused
		10-19	Display Off
		20-29	Display On
		30-39	Display InvertOff
		40-49	Display InvertOn
		50-59	unused
		60-69	unused
		70-79	unused
		80-89	unused
		90-99	unused
		100-109	unused
		110-119	unused
		120-129	Lamp Off
		130-139	Lamp On
		140-149	unused
		150-159	All motor reset
		160-169	Scan motor reset
		170-179	Colors motor reset
		180-189	Gobo motor reset
		190-199	Focus and zoom motor reset
		200-255	unused

## ERROR MESSAGES

When you turn on the 600W LED profile , it will first perform an automatic reset.

The display may show “Err channel is XX” indicating there is a problem with one or more of the channels. “XX” represents channel 1, 2, 3, 4, 5 or 6, which contain the testing sensor for positioning. For example, the message, “Err channel is Pan movement”, indicates an error in channel 1. If there is an error on channel 1 and channel 3 at the same time, the following error message may appear: “Err channel is Pan movement”, “Err channel is Tilt movement”. The system will flash twice, and the fixture will generate a second reset. If the error message persists after more than two resets, the channels showing errors will not work properly but the other channels will function normally.

Please contact our company for service and do not attempt to repair the luminaire yourself.

### PAN- movement Er

(PAN-yoke movement error): This message will appear after the reset if the yoke’s magnetic-indexing circuit malfunctions (failed sensor or magnet missing) or the stepping-motor is defective (also caused by its driving IC on the main PCB). The PAN- movement does not return to the default position after the reset.

### TILT- movement Er

(TILT-head movement error): This message will appear after the reset if the head’s magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepping-motor is defective (also caused by its driving IC on the main PCB). The TILT- movement does not return to the default position after the reset.

## **OPTICS**

Light Source: OSRAM SIRIUS HRI 370W LL

CT:7600K

Bulb Life: 2,000H

## **POWER SUPPLY**

AC100-240V 50/60Hz

Switch power supply

Input power: 480w

## **MOVEMENT**

Pan movement: 540°/630° optional (16 bit)

Tilt movement: 270° (16 bit )

Advanced motion system: auto repositioning, fast, quiet and smooth

## **COLORS**

CMY infinite color mixing

3 color wheels with 21 color + white

2CTO(3200K+2500K)+1CTB

each color wheel has 7 dichroic filters ,

bidirectional color rainbow can be created,

even and smooth CMY+CTO color change system

## **GOBOS**

1 Rotating gobo wheels:

7 interchangeable + open ,

with shaking effect and gobo wheel can be positioned

1 fixed gobo wheel:

16 interchangeable+open,with gobo shaking effect

## **FEATURES**

DMX channels:27/36

prism:1 Linear prism+16 facet prism, prism can be positioned

Focus

Shutter: electronic, variable from 1-25Hz or random

Dimming: 0-100% linear dimming

Frost: heavy frost

Zoom: 2°- 50°linear zoom

Animation wheel: special dynamic water effect

## **DISPLAY**

15 second standby auto lock

Pan/ Tilt disengage (hold MENU and ENTER button)

## **OTHER SPEC**

Input signal isolation

Optional ArtNET control

RDM compatible

intelligent fan noise control,intelligent energy-saving

## **DIMENSIONS AND WEIGHT**

Packing Dimension : 380 X460 X840mm

Net Weight: 24KG