

SOLARIS

true color



BASIC | 18

professional led par 18X1W

USER MANUAL

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SAFETY INFORMATION



WARNING!

Read the safety precautions in this manual before installing operating or servicing this product.



SAFETY NOTES

Read all the following Safety Notes before working with this product. These notes include important information about the installation, usage, and maintenance of this product.

This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained GLOW® Professional certified technicians. Do not open the housing or attempt any repairs.

All applicable local codes and regulations apply to proper installation of this product.

PERSONAL SAFETY

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect this product from its power source before servicing.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing during operation because it may be very hot.

MOUNTING & RIGGING

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. (IP20)
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Make sure there are no flammable materials close to this product while it is operating.
- Always carry this product by the handles. Do not carry from the head.
- When hanging this product, always secure to a fastening device using a safety cable.

POWER & WIRING	<ul style="list-style-type: none"> · Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label. · Never connect this product to a dimmer pack or any rheostat. · Never disconnect this product
OPERATION	<ul style="list-style-type: none"> · Do not operate this product if you see damage to the housing, lenses, LED lights or cables. Have the damaged parts replaced by an authorized technician at once. · Do not cover the ventilation slots when operating to avoid internal overheating. · Do not aim this product toward the Sun. The lenses could concentrate the solar energy and cause internal overheating. · The maximum ambient temperature is 120 °F (49 °C). Do not operate this product at a higher temperature. · In case of a serious operating problem, stop using this product immediately

In the unlikely event that your GLOW® product may require service, contact GLOW® Technical Support.

INTRODUCTION

The SOLARIS® Professional BASIC 18™ is a high-performance 18 X 1W RGB Par lighting fixture. Its compact design makes it ideal for Venue Installations and Indoor Use.

The fixtures is deemed for its bright 1W LED with a slim design and provides a budget friendly solution for rental use and installations.

A Narrow 15 degrees angel making the fixture ideal for object illumination which can be perfect for special lighting and long distance lighting needs.

The use of RGB 1W LED allows you to reach a variety of color tones and to be able to move smoothly between different color selections.

The fixture can be controlled using any DMX-compliant controller (6 Channel Mode) as well as automatic operation mode , sound to light mode and manual mode.

BEFORE USING THE PRODUCT FOR THE FIRST TIME

1. Read 'Safety information' on page 3 before installing, operating or servicing the fixture.
2. Unpack and ensure that there is no transportation damage before using the fixture. Never attempt to operate a damaged fixture.
3. If the fixture is not going to be hard-wired to a mains supply, attach a local power plug to the end of the supplied power cable.
4. Before operating, ensure that the voltage and frequency of the power supply match the power requirements of the fixture.
5. Refer to the GLOW® website for the most recent user documentation and technical information about this fixture.

INSTALLATION



**WARNING! READ SAFETY INFORMATION ON
PAGE 3 BEFORE INSTALLING THE FIXTURE.**



The fixture is designed for indoor use only and must be used in a dry location with adequate ventilation. Ensure that none of the fixture's ventilation slots are blocked and ensure that the fixture is fastened to a secure structure or surface. Do not use the fixture to illuminate surfaces less than 8 m (approx 26ft.) from the fixture.

FASTENING THE FIXTURE TO A FLAT SURFACE

The fixture can be fastened to a hard, fixed, flat surface that is oriented at any angle. Ensure that the surface and all fasteners used can support at least 10 times the weight of all fixtures and equipment they will support. Fasten the fixture Securely. Do not place it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed below with a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

MOUNTING THE FIXTURE ON A TRUSS

The fixture can be clamped to a truss or similar rigging structure in any orientation. When installing the fixture hanging vertically down, you can use an open-type clamp such as a G-clamp. When installing in any other orientation, you must use a half-coupler clamp that completely encircles the truss or pipe circumference. To clamp the fixture to a truss:

1. Check that the rigging structure can support at least 10 times the weight of all fixtures and equipment to be installed on it.
2. Block access under the work area.
3. Working from a stable platform, hang the fixture on the truss and fasten the rigging clamps onto the truss.
4. Secure the fixture with a safety cable as directed below.
5. Check that the head will not collide with other fixtures or objects.



SECURING WITH A SAFETY CABLE

Secure the fixture with a safety cable (or other secondary attachment) that is approved for the weight of the fixture so that the safety cable will hold the fixture if a primary attachment fails. Loop the safety cable through and around a secure metal anchoring point.

AC POWER



Warning! Read ‘Safety information’ on page 3 before connecting the fixture to AC mains power.



For protection from electric shock, the fixture must be grounded (earthed). The power distribution circuit must be equipped with a fuse or circuit breaker and ground-fault (earth-fault) protection.

Socket outlets or external power switches used to supply the fixture with power must be located near the fixture and easily accessible so that the fixtures can easily be disconnected from power.

Do not insert or remove power cable to apply or cut power, as this may cause arcing at the terminals that will damage the connectors.

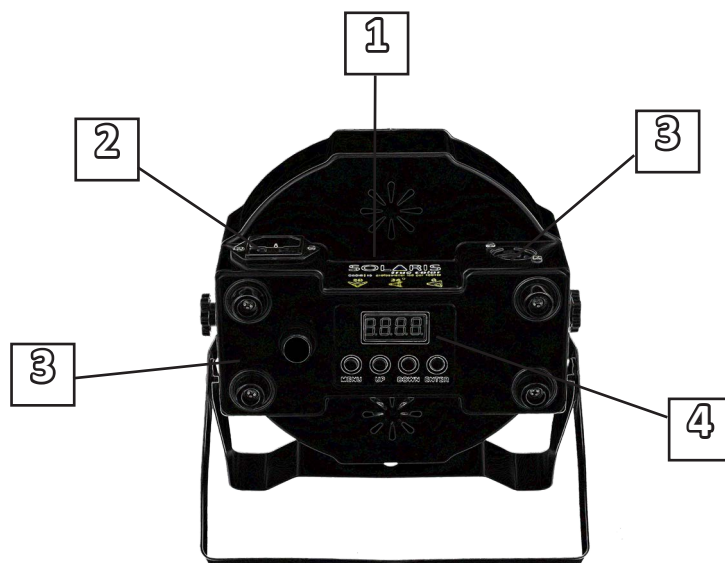
Do not use an external dimming system to supply power to the fixture, as this may cause damage to the fixture that is not covered by the product warranty.

The fixture can be hard-wired to a building electrical installation if you want to install it permanently, or a power plug (not supplied) that is suitable for the local power outlets can be installed on the power cable.

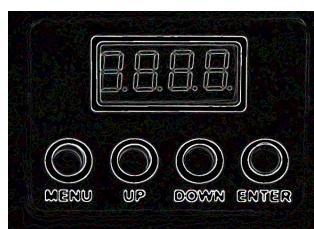
If you replace power plug on the power cable, install a grounding type (earthed) plug with integral cable grip that is rated minimum 250 V, 5 A.

The fixture has an auto-ranging power supply that accepts AC mains power at

100-240 V at 50/60 Hz. Do not apply AC mains power at any other voltage or frequency to the fixture.



1	Tokens® – symbol indicating the fixture DMX personality, Beam Angle, Weight and Power Supply
2	Power input
3	DMX data Link Input and Output XLR Connectors
4	Digital Screen for accessing menu with 4 buttons for navigation: Menu, Up, Down and Enter



UP	Press UP to change current value
DOWN	Press DOWN to change current value
MENU	Press MENU to toggle between modes
ENTER	Use ENTER to save the parameter after you made the desires adjustments

DMX DATA LINK

A DMX 512 data link is required in order to control the fixture via DMX. The fixture has 3-pin XLR connectors for DMX data input and output. The number of daisy-chained fixtures is limited by the number of DMX channels required by the fixtures in relation to the maximum 512 channels available in one DMX universe. Note that if independent control of a fixture is required, it must have its own DMX channels.

Fixtures that are required to behave identically can share the same DMX address and channels. To add more fixtures or groups of fixtures when the above limit is reached, add a DMX universe and another daisy-chained link.

CONNECTING AND USING DMX DATA LINK

To connect the fixture to data:

1. Connect the DMX data output from the controller to the first fixture's male XLR DMX input connector.
2. Connect the first fixture's DMX output to the DMX input of the next fixture and continue connecting fixtures output to input.



FIXTURE OPERATION

This section explains the fixture settings and utilities that the user has access to when using the control panel. Settings are retained when the fixture is powered off. The SOLARIS® BASIC 18™ can function in different modes:

DMX 6 CHANNEL MODE. When operated in DMX 8 channel mode the fixture back screen will show d001 when first accessed. By setting a value different from 001 you can change the unit's DMX address according to your lighting setup. Optional DMX address values are 1 to 512. When you reach the desired value, press ENTER to save your changes.

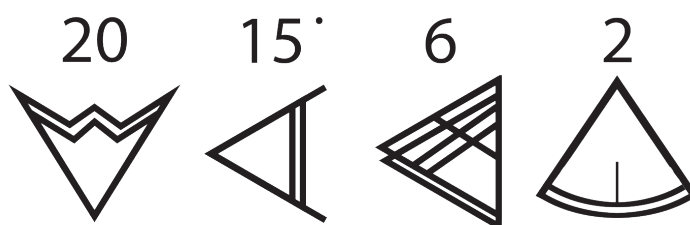
It is also possible to use **8 predefined factory colors**, when first accessing predefined colors back screen will show Au01 when first accessed. By setting a value different from 01 you can scroll between the 8 Predefined factory colors. When you reach the desired color, press ENTER to save your changes.





Automatic color blending effect is also available
Color Jump Change (Au09). when using this option the fixture will jump through the 8 predefined colors (Au01-Au08)

TOKENS®

The TOKENS® are symbols we use to mark the features of our fixtures. Every fixture has its own unique set of TOKENS® according to the fixture's qualities. Those marks can be especially useful and informative for the technicians using Solaris fixtures.

The TOKENS® are located above the digital screen on the back panel of the fixture.



20 	This token indicates the maximum amount of power consumption (Displays in Watts)
15° 	This token indicates the angle of the fixture's beam (Displayed in degrees)
6 	This token indicates the possible DMX footprint (DMX Personality) of the fixture (according to the different dmx modes of operation)
2 	This token indicates the weight of the fixture (Displayed in Kilograms)

FIXTURE MENU STRUCTURE CHART

DISPLAY	FUNCTION	INSTRUCTIONS
d001	DMX Address	DMX512 address, 6 channel mode (001-512)
Au01	Predefined Colors	RED
Au02	Predefined Colors	GREEN
Au03	Predefined Colors	BLUE
Au04	Predefined Colors	ORANGE
Au05	Predefined Colors	CYAN
Au06	Predefined Colors	MAGENTA
Au07	Predefined Colors	WHITE (COLD)
Au08	Predefined Colors	RED + BLUE
Au09	Auto Mode	Macro Effect Scrolls between Au01-Au08

DMX MODES

CHANNEL	8 CHANNEL DMX MODE	FUNCTION
1	MASTER DIMMER	DARK TO BRIGHT
2	R (RED) DIMMER	DARK TO BRIGHT
3	G (GREEN) DIMMER	DARK TO BRIGHT
4	B (BLUE) DIMMER	DARK TO BRIGHT
5	STROBE	SLOW TO FAST
6	MACRO	ALLOWS SCROLLING BETWEEN PREDEFINED EFFECTS

MAINTENANCE



WARNING! READ 'SAFETY INFORMATION' ON PAGE 3 BEFORE SERVICING THE FIXTURE.

Refer any service operation not described in this user manual to a qualified service technician.

Disconnect the fixture from mains power and allow to cool completely before cleaning or servicing. Service fixtures in an area where there is no risk of injury from failing parts, tools or other materials. Excessive dust, smoke fluid, and particle buildup degrades performance, causes overheating and will damage the fixture. Damage caused by inadequate cleaning or maintenance is not covered by the product warranty.

CLEANING

The cleaning of lenses must be carried out periodically to optimize light output. Cleaning schedules for lighting fixtures vary greatly depending on the operating environment. It is therefore impossible to specify precise cleaning intervals for the fixture. Environmental factors that may result in a need for frequent cleaning include:

- Use of smoke or fog machines.
- High airflow rates (near air conditioning vents, for example).
- Presence of cigarette smoke.
- Airborne dust (from stage effects, building structures and fittings or the natural environment at outdoor events, for example).

If one or more of these factors is present, inspect fixtures within their first 100 hours of operation to see whether cleaning is necessary. Check again at frequent intervals. This procedure will allow you to assess cleaning requirements in your particular situation.

Use gentle pressure only when cleaning, and work in a clean, well-lit area. Do not use any product that contains solvents or abrasives, as these can cause surface damage.

CLEANING THE FIXTURE

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Vacuum or gently blow away dust and loose particles from the outside of the fixture and air with low-pressure compressed air
3. Clean lenses by wiping gently with a soft, clean lint-free cloth moistened with a weak detergent solution. Do not rub the surface hard: lift particles off with a soft repeated press. Dry with a soft, clean, lint-free cloth or low pressure compressed air. Remove stuck particles with an unscented tissue or cotton swab moistened with glass cleaner or distilled water.
4. Check that the fixture is dry before reapplying power.

BASIC 18 SPECIFICATIONS



FEATURES

Pre-Programed Effects	1 color blending modes
Strobe	Via DMX Control only
Dimmer	0 – 100% Full Linear Dimming

INSTALLATIONS

Location	Indoor Use Only, Must be fastened to surface or structure
Mounting points	Two adjustable bracket with clamp insertion point
Orientation	Any

LAMP

Lamp type	18 X 1W
Color system	RGB Color
Temperature	Adjustable

THERMAL

Cooling	Silent Fan With Heat Sensors
Max ambient temperature	40° C (104° F)
Min Ambient temperature	-25°C (-13° F) Total
Heat Dissipation (calculated, +/-10%)	1200BTU/hr.

PHYSICAL DIMENSIONS

Led Surface Diameter	180mm	7.08"
Body Width	110mm	4.33"
Height	230mm	9.05"

WEIGHT



2Kg	4.4 lbs.
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CONTROL AND PROGRAMMING

Control System	DMX512
Settings & Addressing	USITT DMX512/1990

DMX MODES



Fixture Channel Mode	6Ch. Mode
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ELECTRICAL

AC Power	110-230V 50\60Hz
Fuse	T5A
Power Supply	Auto Ranging Electronic Switch Mode

MAX POWER CONSUMPTION



Power consumption	20W
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OPTICS



Beam Angle	15° Degrees
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CONSTRUCTION

Color	Black
IP Rating	IP20

CONNECTIONS

AC Power Input	Standard Power cable 3 pin (Deutsch Standard)
DMX512 Data	3-pin locking XLR, 1 Input, 1 Output

INCLUDED ITEMS

3 ft. Power Cable
User Manual

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