

Superstar 600 LED Followspot

Users Manual

Following are the general terms and conditions of sales relating to equipment manufactured and/or sold by Lycian Stage Lighting.



Introduction

Congratulations on choosing the Lycian Stage Lighting Superstar 600 LED! It's a high-quality theatrical lighting fixture. Lycian followspots undergo rigorous manufacturing processes and thorough inspections to ensure top-notch performance. However, if your unit appears damaged in any way, contact your Lycian distributor immediately.

To best acquaint yourself, and for safe operations, please read the user instruction manual prior to using your new followspot. Improper user can be a safety hazard, degrade performance and/or void warranty. Lycian Stage Lighting is not liable for damages whether direct, indirect, or incidental resulting from customer's failure to follow proper operational and safety procedures.

Important Safety Information

1. This product is designed for interior use only. Avoid use in areas where water can contact the fixture, which can result in failure, damage or fire.
2. Servicing should be by a qualified technician.
3. Use only Lycian original components.

Fixture Safety

1. Ensure that the base is on a stable, level floor or platform.
2. Use proper cables to secure fixture if hung using proper length and cable strength.
3. Allow fixture to cool before servicing as surfaces will be hot.
4. Do not tamper with or bypass unit's safety features. Do not use if the product has been damaged by accident, has been unreasonably neglected, improperly used, or following attempted repairs by unauthorized personnel.
5. Inspect power cord and connector for damage before each use.

Ventilation

1. Keep away from flammable materials.
2. Do not cover while in use.
3. Keep vents clear to avoid overheating and allow for adequate ventilation.
4. Ensure fan is clean and spinning freely. If fan is not operating properly, shut unit off and have unit serviced.

Cleaning

1. Never touch LED source with fingers.
2. LED may be cleaned with a gentle blast of compressed air twice annually or as required.
3. Use a gentle lens cleaner or alcohol cleaner on lenses.
4. Avoid wetting housing controls. Keep liquid away from interior.

Packing Contents

Carton #1

Followspot Head

Yoke

Pole

Power Cord with Connector

User Manual

Warranty and Registration Card

Box #2

Base with casters or Underhanging Yoke depending on order configuration

About the Superstar 600 LED Followspot

A 600-watt light emitting diode is integrated into the followspot. LED's are more efficient than light sources traditionally used in followspots. Notable features of LEDs include a significantly longer lifespan without the need for lamp changes and lower electrical consumption.

1. The LED is integrated into a module that is user replaceable. Contact Lycian for instructions, or if you would like to replace the module.
2. The Superstar 600 has a self-contained 6-color boomerang which accepts gels (gels are not supplied and should be purchased separately).
3. Use with a constant power source, not a dimmable supply for proper performance.
4. The estimated life of the LED is 40,000 hours.

Mounting the Followspot on the Yoke

1. Lock the casters and leveling jacks on the base.
2. Loosen the nut located at the bottom of the yoke. Place pole end into base. Tighten pole in base using gold levers.
3. Place yoke onto the pole and turn one rotation until it seats.
4. Open the yoke clips using thumb screws and swivel the clips. Lifting the head, match the yoke mount with the notches in the yoke. When seated, swivel the yoke retaining clips back and screw down.

Cleaning & General Maintenance

Periodic maintenance can ensure optimal performance and avoid issues before they occur. Always perform maintenance to a unit that is disconnected from power and is cold. Clean optics with an approved lens cleaning solution. If necessary, clean other parts as needed. Clear air intakes and fans of dust and other dirt. Adequate ventilation is required for proper operation of the power supply and LED engine. Visually inspect wiring and other components for visible damage. If found, contact Lycian's electrical technicians for consultation on repair or replacement.

Spare Parts

All components for the Superstar 600 are available from Lycian or through your authorized Lycian distributor. Avoid use of aftermarket products, as they may not be built to Lycian standards and could be dangerous. Please call Lycian technical support with any questions concerning repair or replacement of any electrical component.

Warranty

All Lycian followspots are backed by a three-year limited warranty against defects in workmanship and materials. For more information, please contact the authorized Lycian distributor from whom you made your purchase.

Controls

The followspot beam shaping and sizing can be tailored in several ways, including:

The trombone slides fore and aft to control the beam diameter by moving the front lens thereby changing focal length. Moving the trombone forward concentrates the light, making the beam smaller. Moving the trombone back slides the lens aft making the beam diameter larger.

There are three controls on top of the followspot (known as the gate):

Iris: Controls beam size by being able to variably open and close by moving the lever right and left.

Dowser: Lightens and darkens the beam by using the levers the same way.

Horizontal Shutter: 'Chops' the beam top and bottom.

Color Boomerang

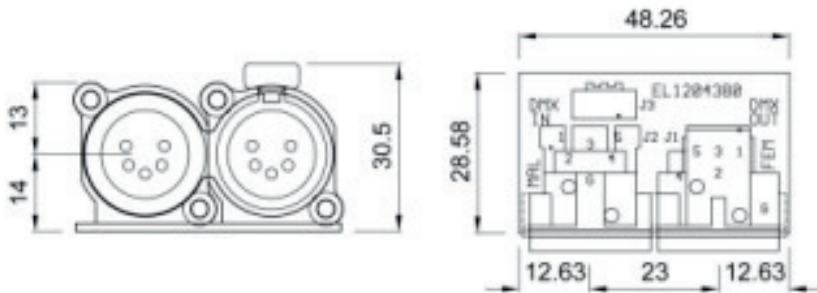
The Superstar 600 is equipped with an internal, self-cancelling 6-color boomerang. This allows colored gels (must be purchased separately) that have been mounted in the color frames to be inserted into the beam.

To insert color frames, simply lift the appropriate arm until a click is heard. To disable the color frame, either insert another frame into the beam or activate the defeat arm. To mount the gel in the rings, unscrew the thumb screws that hold the boomerang in place and carefully remove the boomerang assembly. Place the cut gel between the frames and close the frames by inserting a brass report tab or wire tie through the holes in the frame. Ensure the gels do not extend beyond the frames so as to not interfere with the boomerang operation. Place the entire assembly back in place and tighten the screws that hold it in place.

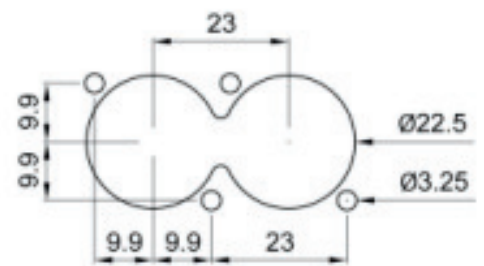
DMX

DMX IN / OUT 5 POLES:

PCB dimensions (mm)



Mechanical dimensions (mm)



5. DMX CHARTS

This DMX chart refers to the fixture set with default parameters:

DMX channel	Function	Type of control	Effect	Decimal	Percentage
1	Master dimmer	Proportional	Adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
Fixture: Imperium			Table name: DMX 512 function - Chart 1	Edition: 1	Date: 08/02/2021

This DMX chart refers to the fixture set with 16 bits resolution (see Menu → Function → DMX Chan):

DMX channel	Function	Type of control	Effect	Decimal	Percentage
1	Master dimmer	Proportional	Adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
2	Dimmer fine	Proportional	Fine dimmer control 16 bit	0 - 255	0% - 100%
Fixture: Imperium			Table name: DMX 512 function - Chart 2	Edition: 1	Date: 08/02/2021

DMX A001
0%

MENU
Mode

MODE
Dmx

MODE
Manual

MENU
Function

FUNCTION
Test

FUNCTION
Curves

FUNCTION
Dmx Chan

FUNCTION
Smooth

FUNCTION
Dmx Fail

FUNCTION
ScrSaver

MENU
Measure

MEASURE
Temper

MEASURE
Dmx

MEASURE
Input

MEASURE
Iout Set

MEASURE
Output

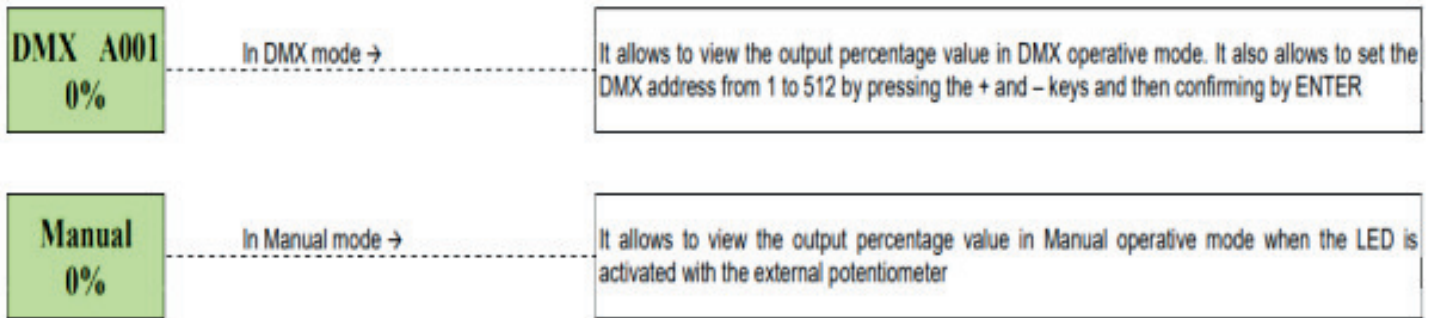
MEASURE
Timers

MEASURE
Alarm

MEASURE
Release

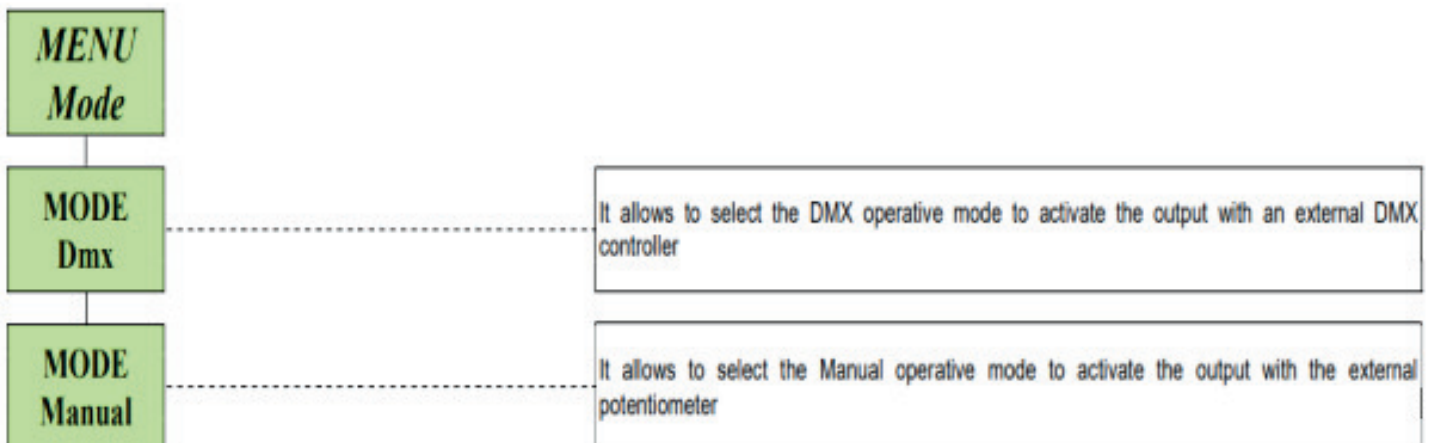
Main Menu:

The **Main** menu is displayed when the driver is turned on:



Mode Menu:

The **MODE** menu allows to choose between 2 operative modes: Dmx or Manual.



Function Menu:

The **FUNCTION** menu allows to change and customize some functional settings of Imperium, e.g. dimming curve, DMX channels etc... For more details please refer to the schematic below:

