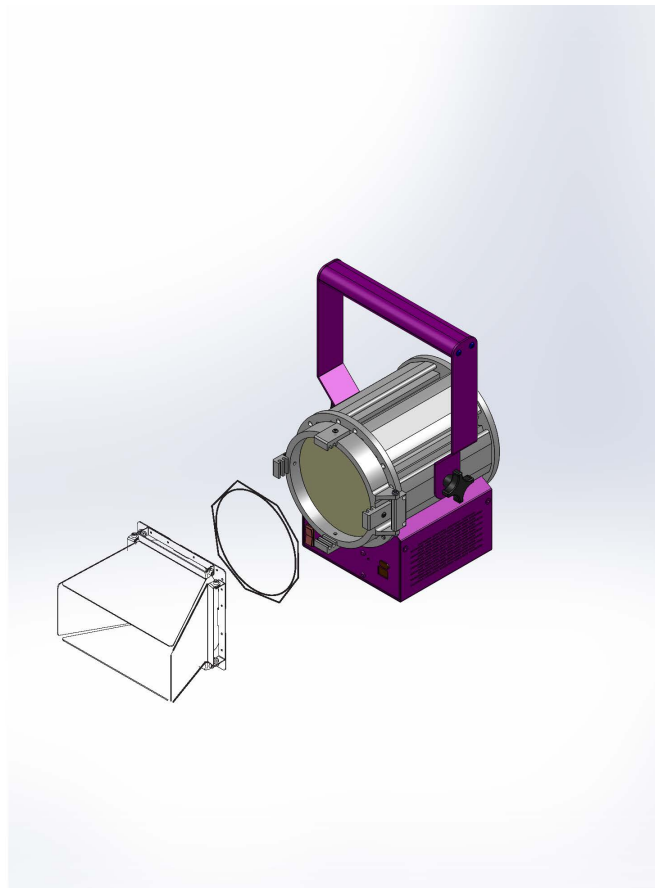


# GUS 51 LED Fresnel Operating Manual

## SPECIFICATIONS

Model: GUS-51 LED FRESNEL  
Lamps: 1 COB (multi chip LED)  
Power Supply: Electronic, 96-305 VAC input  
Input to LED: 48 Watts  
Input Power: 58 VA  
Adjustable Lens: 6.25" micro Fresnel  
Country of Origin: United States

Manufacturer: PrimeTime Lighting Systems, Inc.  
Address: 4124 Billy Mitchell Drive  
Addison, TX 75001  
(214) 393-5998 (voice)  
(214) 393-5999 (fax)  
Email: [info@primetimelighting.com](mailto:info@primetimelighting.com)  
Web page: [PrimeTimeLighting.com](http://PrimeTimeLighting.com)



## INTRODUCTION

Thank you for your selection of one of the most effective studio luminaires, the GUS 51 LED Fresnel. This true Fresnel, high performance luminaire should provide many years of low cost operation. The GUS 51 is a well-engineered and energy-efficient replacement for conventional Fresnel luminaires with tungsten lamps.

## GENERAL INFORMATION

The GUS 51 is designed to maximize “throw” or “punch” by collimating the light when the beam adjustment knob is turned clock-wise to the stop, producing an 11 degree beam angle. This setting is called the “Full Spot”, while the other extreme of the adjustment, called ‘Full Flood’ provides near uniform light intensity over a field angle of 80 degrees. This adjustability covers a ratio of 15 to 1 light intensity. Unwanted spill is controlled with barn doors. The GUS-51 is available in CCTs of 3200 Kelvin and 5600 Kelvin which can be altered with the color frame by adding a gel.

The GUS-51 is made of machined and extruded aluminum and selectively powder coated in distinctive dark blue. Accessories are made of cold rolled steel. Standard luminaires are equipped with detachable 10’ long power cords. Each 120 volt cord is equipped with Edison 3 prong connectors. Other voltage models are shipped with optional plug specified. A fused power inlet receptacle is supplied for most models. Adjacent fixtures may be powered with this connector so long as the load does not exceed 4 amps. (fig. 2) Fuse is fast acting type 217, 6 Amp. The switch controls the power to the one fixture. Power is indicated when the switch is lit.



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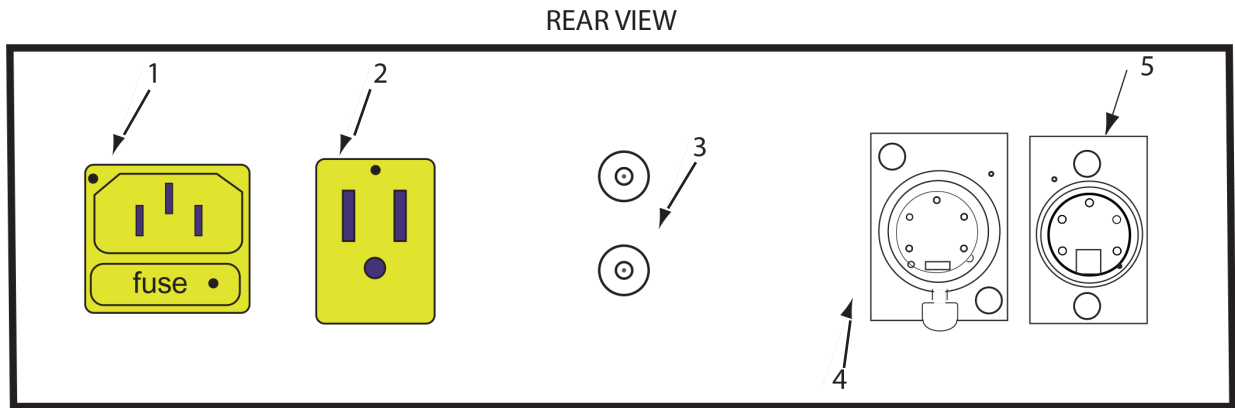


fig 2

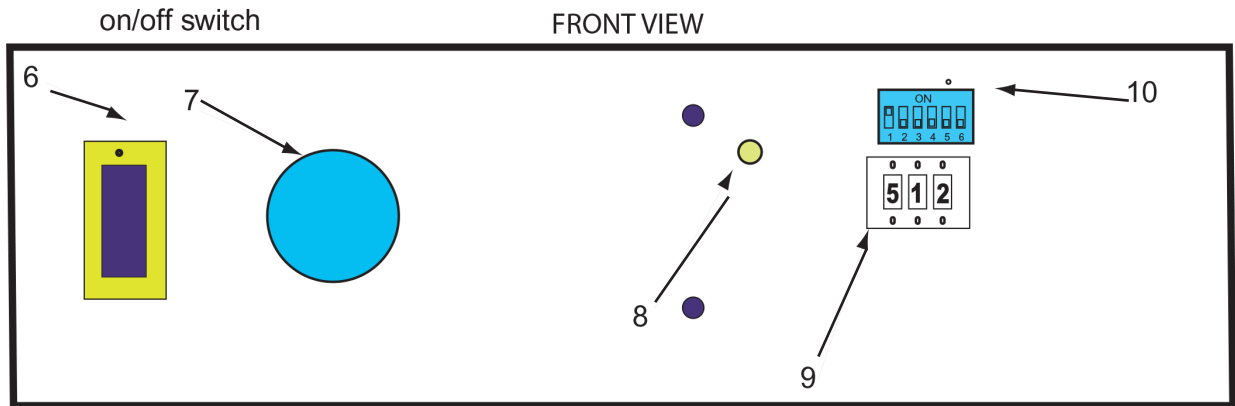


fig 3

1. Fused power inlet receptacle. Fuse rated at 6 A. Spare fuse in carrier.
2. 120 Vac outlet. May be used to daisy chain power to other fixtures totaling 4 Amps.
3. Discontinued.
4. DMX Signal cable outlet for daisy chaining DMX signal.
5. DMX signal cable inlet.
6. Power switch to fixture. Power is on when switch is lit.
7. Discontinued.
8. Discontinued.
9. DMX Control Panel replaced and described on next page.

## Operation of PrimeTime DMX Controls 2022-2024

The 3-button control panel on the back of your PrimeTime LED luminaire is easy to use. With it, you can set your DMX address or switch the light to “manual” and adjust brightness –

- When your light is powered-up you will see the PrimeTime logo in the display window
- You will see a green indicator light when it detects a DMX connection



- Press the “M” button and you will see a menu of “DMX” and “manual”
- Use the “up” and “down” buttons to indicate the mode you want, then press “M” to select it



- If you select “DMX” you will see a number displayed. That will be the current DMX address set for this light
- To change the address, use the up and down buttons to indicate the address number you desire (from 1 to 512)
- When you see the number you want, press the “M” button again and you will see a message indicating the DMX address is saved



- NOTE: Once the address is saved, your PrimeTime light will automatically default to that address every time it's powered up. If you switch to manual for a time and come back to DMX, it will still default to the saved address
- If you select "manual" from the main menu, you will see a percentage displayed. That will be the current manual brightness level setting for this light
- To change the manual brightness, use the "up" and "down" arrows to select the level you desire
- Press the "M" button again and you will see a message indicating the brightness level is saved



- NOTE: Once you set a manual brightness level, your PrimeTime light will default to that level every time it's powered up. If you switch to DMX, and come back to manual, it will still be at the saved level

Anytime your PrimeTime DMX control panel is idle for 5 minutes, it will automatically go to sleep. To activate it, press any button and you will again see the PrimeTime logo, then you can proceed as described above.

 **PrimeTime**  
LIGHTING SYSTEMS®  
4124 Billy Mitchell Drive  
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## OPERATION

One of the premier features of the GUS 51 is that it is thoroughly passive in the rejection of heat. No fans or other mechanical devices are needed to insure that no damage occurs due to overheating. This product was designed from its inception as an LED Fresnel, not an adaptation of an old incandescent model. The robustness of the heat sink and the design of the external housing, along with several proprietary design features, insures that the luminaire will not over heat in ambient air as hot as 105 degrees F. Continuous operation in ambient air in excess of 105 degrees F ( 40 degrees C) is not advisable and will void the warranty.



## CLEANING

Periodic dust removal is necessary to maintain light intensity and quality.

**Caution:** Never open the Fresnel fixture unless the unit has thoroughly cooled. Never touch the LED diodes even when cool as skin oils will cause damage.

**Caution:** disconnect power to the fixture before opening.

The lensed bezel will swing open by loosening the 1/4" Allen bolt opposite the hinge. This will expose the heat sink and the LED Cluster. Low pressure compressed air, not canned Freon is best for dust removal. A feather duster is acceptable if not used too vigorously. Small quantities of Isopropyl alcohol is the only acceptable cleaning agent, when applied by a soft cotton cloth. DO NOT touch or use a cleaning agent on the diodes.

**Caution:** Again, make sure that the fixture is cool and electrically disconnected as isopropyl alcohol is highly flammable. When cleaning is complete, make sure the fixture is dry and mechanically closed and fastened before applying power.

## SAFETY PRECAUTIONS

**Caution: Never look directly the light source**

One of the premier features of the GUS 51 is that it is thoroughly passive in the rejection of heat. No fans or other mechanical devices are needed to insure that no damage occurs due to over heating. This product was designed from scratch as an LED Fresnel not an adaptation of an old incandescent model. The robustness of the heat sink and the design of the external housing, along with several proprietary design features, insures that the luminaire will not over heat in ambient air as hot as 105 degrees F. Continuous operation in ambient air in excess of 105 dgr . F (40 dgr. C) is not advisable and will void the warranty.



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## WARRANTY

PrimeTime Lighting Systems warrants that the GUS 51 LED Fresnel will be free from defects in material and workmanship and will substantially maintain performance characteristics for a period of five years.

In the event the product is found to be defective under this warranty, Seller will repair or replace such fixture found to be defective. Any additional warranty provisions are the responsibility of the individual authorized dealer/contractor. To obtain warranty service, please contact PrimeTime Lighting Systems, 4124 Billy Mitchell Drive, Addison, TX 75001. This warranty is void if the product has been subjected to abuse or improper care or temperatures over 105 degrees F. Seller shall not be liable in either tort or contract for any loss or damage, direct, consequential, or incidental arising out of the use of or inability to use this product. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitations may not apply to you. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY, FROM STATE TO STATE.



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