



# DE PRO SERIES

**1000W**  
600W/750W/1000W/1150W

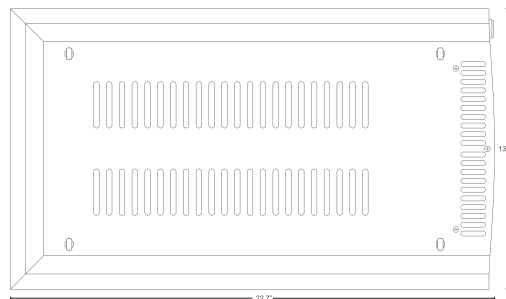
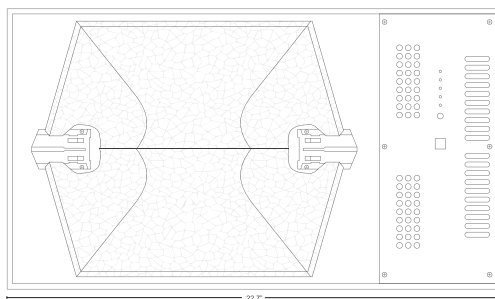
## SET UP GUIDE



## CONGRATULATIONS ON PURCHASING THE BEST, MOST RELIABLE DE IN THE INDUSTRY, THE GORILLA COMMERCIAL LIGHTING DE PRO SERIES

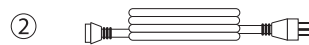
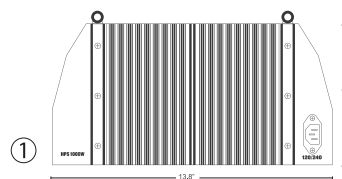
This guide will show you how to setup and use your DE Pro Series fixture. Please review the entire manual prior to operation.

## OVERVIEW



### YOUR GORILLA DE PRO SERIES COMES WITH:

1. Gorilla DE PRO SERIES Light Fixture
2. Power Cord
3. RJ-14 Data Cable (x2)
4. RJ-14 Dual Cable Splitter
5. Hanging Hardware Bracket (x2)

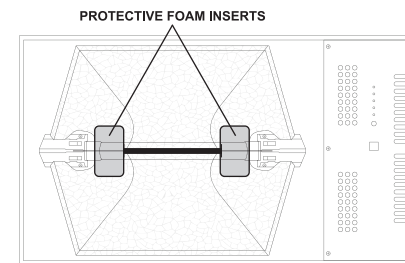


## GETTING STARTED

Your GORILLA DE PRO SERIES comes fully assembled with the lamp pre-installed and ready to grow.

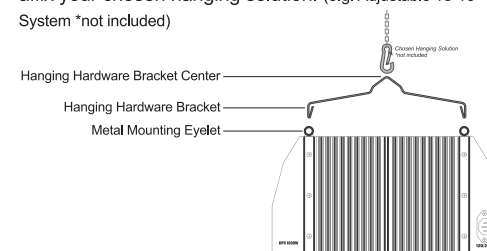
Before powering on your fixture, remove all packaging materials, tape, as well as the foam inserts that are protecting the lamp. Check the connections on either end of the lamp to ensure the fasteners are securely locked in.

**NOTE:** The protective foam inserts are to cushion the lamp during transport, THEY MUST BE REMOVED before powering on the fixture.



## HANGING THE GORILLA DE PRO SERIES

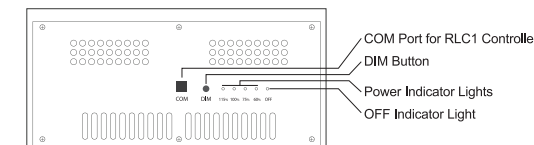
Attach one Hanging Hardware Bracket to each end of the light fixture through the metal mounting eyelets. Use the center of the Hanging Hardware Bracket to affix your chosen hanging solution. (e.g. Adjustable Yo-Yo System \*not included)



## FIXTURE CONTROLS

On the underside of the GORILLA DE PRO SERIES you will find a button marked "DIM" for setting power level, as well as a "COM" port for external control by a RLC1-type lighting controller. (contact Gorilla Commercial Lighting customer service representative for alternative lighting controller options)

The LED indicator lights will display the current power level at which your fixture is operating. Each press of the "DIM" button will cycle through the power settings sequentially until you have chosen the desired setting. Once you have selected a power setting, the fixture will take 3 seconds to lock in and activate your selection to prevent you from accidentally turning your fixture off or setting an undesired power level.



## WARNING INDICATOR LIGHT GUIDE

**IF...** OFF Indicator Light Blinks Once per Second  
**IT MEANS...** Your fixture is over temperature

If the GORILLA DE PRO SERIES internal circuitry reach 80 Celsius/176 Fahrenheit, the fixture will power down. Once the internal temperature cools to 50 Celsius/122 Fahrenheit, the fixture will automatically restart.

**IF...** OFF Indicator Light Blinks 4 Times per Second  
**IT MEANS...** Your fixture's ignition has timed out

If the GORILLA DE PRO SERIES fails to ignite, the fixture will automatically attempt re-ignition over the following 30 minutes. The re-ignition schedule is as follows

- The fixture will wait 5 minutes, then attempt re-ignition. If failed...
- The fixture will wait 5 minutes, then attempt re-ignition. If failed...
- The fixture will wait 10 minutes, then attempt re-ignition. If failed...
- The fixture will wait 10 minutes, then attempt re-ignition. If failed...
- Contact Gorilla to report the issue immediately.

After 30 minutes and five (5) failed re-ignition attempts, the OFF indicator light will blink four (4) times per second to indicate that the fixture is off, and intending to stay off until a hard reset is performed or power is removed from the fixture.

## BLINKING LED GUIDE (CONT.)

**HARD RESET** - If the OFF LED is flashing four (4) times per second and the fixture has already performed the 30 minute re-ignition sequence, you can perform a hard reset by removing and reapplying the power cord.

Before attempting the re-ignition sequence for a second time, we suggest replacing the lamp- if a lamp replacement and second re-ignition sequence does not remedy the issue, contact Gorilla immediately.

**IF...** Selected Power Indicator Light Blinks Once per Second

**IT MEANS...** Your fixture is receiving lower than the required voltage

When incoming power drops below 115 volts, the selected Power Indicator Light will blink once per second indicating output power is limited due to insufficient incoming voltage supply.

Incoming Voltage	Maximum Output Power
115 VAC or more	All power levels available
Less than 115 VAC	1000W
Less than 110 VAC	750W
Less than 100 VAC	OFF

If incoming voltage remains at or below 100 VAC, the GORILLA DE PRO SERIES will remain off until voltage rises above 110 volts. If the voltage drops below about 90 volts, all indicator lights on the fixture will turn off.

**IF...** Selected Power Indicator Light Flickers Briefly Once per Second

**IT MEANS...** You have connected an external lighting controller

An RLC1-type Digital Lighting Controller can control up to 512 GORILLA DE PRO SERIES fixtures, divided into up to two (2) zones. With an external controller, you can set on and off times, sunrise and sunset ramps, dimming with temperature and over temperature shutdown for each zone.

When the provided RJ-14 phone cable is plugged into the fixture and an RLC1-type controller, the Power Indicator Light for the closest power setting will flicker, very briefly, once per second to indicate that the GORILLA DE PRO SERIES is controlled by an outside source. When connected to an external controller, the manual controls on the fixture will become inactive.

If the cable becomes disconnected, or the external controller stops working, GORILLA DE PRO SERIES will return to manual control at the power level last selected by the user.

## SPECIFICATIONS

Input Voltage	120/240 or 347 volts AC, 50/60 Hz
Output power	600 – 1150 dimmable in 1% steps
Input Current	4.40 amperes @ 240 volts
System efficiency	94.7% @ 240 volts
Driver efficiency at full power	> 98%
Power factor	> 99.4%
Luminous Flux	> 2100 uMole/sec (Ushio Power Plus Lamp)
External Controller	GGT RLC1 Smart Controller
External Controller Cord Type	RJ14(6P6C)
On-Board Dimming	Push button
Warranty	3-Year
Certifications	CE, CSA, FCC, ROHS

## POWER CORDS AND CABLES

### POWER CORDS

Upon purchase of the GORILLA DE PRO SERIES you have the option to select the desired power cord needed for your installation. For power cord recommendations please contact a Gorilla Commercial Lighting customer service representative to assist in your selection.

### EXTERNAL CONTROLLER CABLES

The GORILLA DE PRO SERIES comes complete with a set of 7 foot RJ14 data cables and a three way splitter. If your installation requires a longer cable, please contact a Gorilla Commercial Lighting customer service representative to guide you in the purchase of the correct cable for your needs. It is important to select the correct cable for successful operation of your light fixtures.

## INSTALLING REPLACEMENT LAMPS

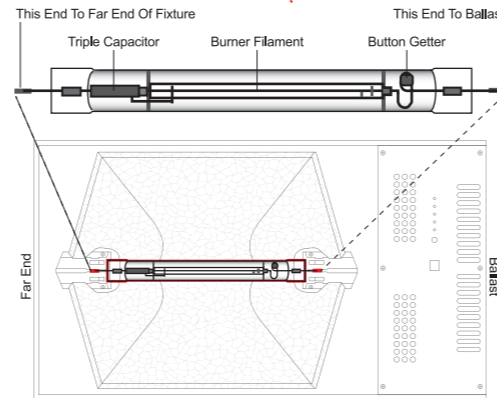
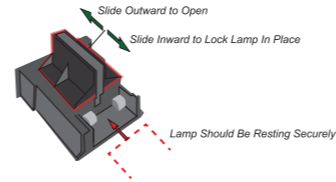
Doubled ended HPS lamps are not symmetrical so the orientation of the bulb during installation matters.

**⚠️ NOTE:** Inspect the lamp for any signs of scratches, cracks, or physical damage prior to operating as this can lead to the lamp bursting! Do not install a lamp that has visible damage!

**⚠️ NOTE:** Always use fabric gloves when installing lamps to avoid oils and fingerprints on the glass. Never touch the lamp glass with your bare hands.

**⚠️ NOTE:** The Cultilux 1000w CMH Bulb is non-dimmable. If using in the DE Pro Series, fixture must be run at the 1000w setting.

1. Inspect lamp for scratches, cracks or damage
2. Slide mounting clips outward, making sure pressure is applied to the base of the clip
3. Identify the correct orientation of the lamp
4. Use gloves to carefully place the lamp in the fixture
5. Slide the mounting clips inward, at the base, until you hear an audible "click"



### ENVIRONMENT

When using any Double Ended HPS lighting solution, ideal grow room temps should be around 74-78 degrees. Any lower than this and transpiration can slow, stunting growth. Any hotter than this and heat stress can form.

Never allow water to get near the bulb or fixture. Splashing water can cause the bulb to shatter if contact is made when the fixture is on.

### POWER

If power is momentarily lost to the fixture, do not try to re-strike your lamp right away. Please allow the lamp to cool for at least 15 mins before attempting to re-strike.

### LAMP

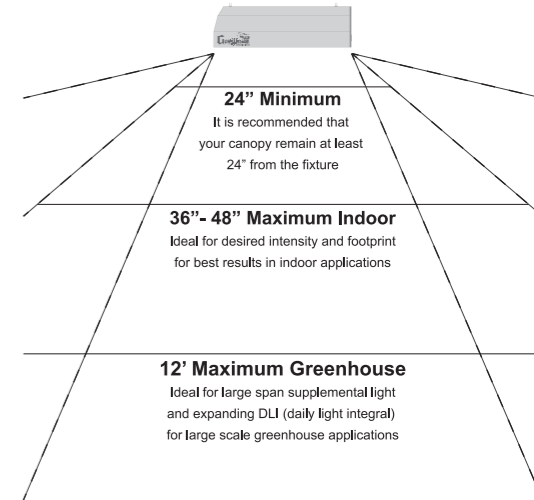
With standard DE fixtures, it is recommended that you replace your lamp (bulb) every 9-12 months for optimal performance. With the DE Pro Series' low frequency, square wave design, your bulb will experience less stress, thus lasting up to 50% longer. Due to this, we recommend your lamp be replaced every 12-15 months.

It is always good practice to occasionally clean your fixture. To do so, carefully remove your bulb and wipe down the inside of reflector and outside housing with a microfiber cloth and glass cleaner.

### RECOMMENDED HANGING HEIGHT

The minimum recommended hanging height for your DE Pro Series is 24". Maximum hanging height can vary from 36-48" for indoor growing, to a maximum recommended height of 12' for greenhouse applications.

Your DE Pro Series is designed to light a footprint ranging from a 4'-6' square area for indoor applications, with a 5'x5' being ideal. Greenhouse footprints will largely be determined by desired hang height and PPFD requirements.



# GROW STRONG.



### FCC COMPLIANCE STATEMENT

The GORILLA DE PRO SERIES Integrated Lighting System has been tested at FCC-certified laboratories in the United States and conforms to FCC's Part 18B Consumer Standard for Industrial, Scientific, and Medical Equipment for both conducted and radiated emissions.

Given that all electronic equipment emits some RF energy, please note that compliance with these standards does not mean a zero level of emission, only very low levels. Per FCC requirement:

*This product may cause interference to radio equipment and should not be installed near Maritime safety communications equipment or other critical navigation or communication equipment between 0.45-30 MHz.*

*This device complies with Part 18B of the FCC Rules.*

*Changes or modifications not expressly approved by Gorilla Grow Tent could void the user's authority to operate the equipment.*

Please visit [www.gorillagrowtent.com](http://www.gorillagrowtent.com) for a complete documentation of the Gorilla Commercial Lighting Terms of Use. Thank You