

# COVERT



## COVERT PRO 630W LED

LED USER MANUAL

Installation and Operating Instructions

PLEASE READ ALL  
INSTRUCTIONS  
BEFORE SETTING UP  
OR USING THE  
PRODUCT

# INTRODUCTION:

Thank you for purchasing the Covert PRO 630W LED Grow Light. Here at Hydrobuilder.com, we strive to provide cost-effective horticulture lighting solutions for all growers, no matter the budget. Our PRO series grow lights are designed to achieve exceptional results from seed to flower at a much lower price point compared to many other high-quality LED's on the market.



# TECHNICAL SPECS:

<b>Light Source</b>	LED
<b>Spectrum</b>	PhysioSpec Full-spectrum White with Enhanced Red
<b>PPF (light output)</b>	1750 $\mu\text{mol/s}$
<b>Input Power</b>	630 Watts
<b>PAR Efficacy</b>	2.8 $\mu\text{mol/j}$
<b>Coverage Area</b>	Veg: 7' x 7'; Flower: 5' x 5'
<b>HPS Equivalent</b>	1000 Watts
<b>Input Voltage</b>	Auto-sensing 100-277 Volt
<b>Fixture Dimensions   Weight</b>	45.5" L x 42" W x 4.5" H   27.5 lbs.
<b>Mounting Height</b>	$\geq 6"$ - 12" (15.2cm) Above Canopy
<b>Thermal Management</b>	Passive

<b>Dimming</b>	0-10V (with Covert Controller)
<b>Light Distribution</b>	120°
<b>Color Rendering Index</b>	90ra
<b>Operating Temperature Range</b>	-4°F to 185°F
<b>Lifetime</b>	50,000 hrs
<b>Power Factor</b>	>90%
<b>Certifications</b>	UL8800 (Damp Location Rating), CE
<b>Warranty</b>	3 Year Standard Warranty
<b>Amps</b>	5.3A @ 120V, 3.0A @ 208V, 2.6A @ 240V, 02.3A @ 277V
<b>Power Cords Included</b>	Includes a 120 volt power cord.
<b>Light Hangers</b>	4 Hangers Included

# SAFETY WARNINGS:

**PLEASE READ  
BEFORE  
USING!**



The PRO series LED grow light is passively cooled with absolutely no moving components, including fans that can often break on other LED's. Do not try to open or disassemble the fixture, it contains no service parts inside. Doing so may cause harm to the fixture and voids the warranty.

- Always adhere to the local rules and regulations when installing or using the fixture.
- Wearing protective gloves and glasses is recommended during installation.
- Always disconnect from the mains before performing any maintenance to the fixture.
- The fixture will get hot during operation. Do not touch while the light is on. Keep this product away from children.
- Always allow at least 10 minutes for the fixture to cool down before handling.
- Do not touch the LED diodes
- Keep the power cord away from hot surfaces.
- Do not plug this LED into a supply voltage other than what is included with the fixture.
- Do not use the fixture if the power cord is damaged.
- Do not use the fixture when the unit has been dropped, or its enclosure or bars are damaged.



## **WARNING**

Risk of electrical shock. To reduce the possibility of serious injury, always take the proper precautions and unplug the fixture before moving or cleaning.

## **CAUTION**

To reduce the risk of overheating or fire, never place operating fixtures face down on a flush surface. Always allow for adequate ventilation of fixtures and power supplies

## **CAUTION – RISK OF PERSONAL INJURY**

Disconnect power before servicing or installing luminaire. The lighted fixture may be hot. To reduce the risk of injury, turn off or disconnect power and allow to cool before handling. Fixtures must be grounded in accordance with appropriate codes. Failure to do so may result in serious injury or death. Be sure all power is off prior to installing the fixture.

## **WARNING**

Light bars and power supply are splash-proof but not waterproof. In the event that the light bar becomes submersed, first disengage the circuit breaker, then unplug the fixture before proceeding to remove from water.

## **CAUTION**

LED and heat sink surfaces may be hot. Allow sufficient cooling time before handling

## **CAUTION**

To prevent eye damage, avoid looking directly at the unshielded LEDs

# WHAT'S INCLUDED

- Covert PRO 630 Watt LED Grow Light
- 120 Volt Power Cord
- 120 Volt to 240 Volt Power Cord Adapter
- Remote Power Supply
- RJ14 Network Cable
- Mounting Brackets & Screws for Power Supply
- (4x) Grow Light Hangers
- Specification Sheet
- User Manual

# BEST PRACTICES:

We encourage all growers to experiment with various growing techniques so you can find the process that works best for your situation. There are many different ways for growers to achieve their goals, but below are some general tips to make sure your garden is being properly managed.

- ROUTINELY check your plants' growth and health. Adjust H2O, CO2, nutrients, temperature, RH (relative humidity) accordingly. Many plants prefer higher temperatures when exposed to high PPFD; experiment with higher temperature is recommended to achieve higher yields.
- ALWAYS test at the canopy level to gauge leaf surface temperature, since canopy temperature and room ambient the temperature might vary. If your hand get too hot when at plant canopy level, then the light is most likely too close the plants and should be raised up.

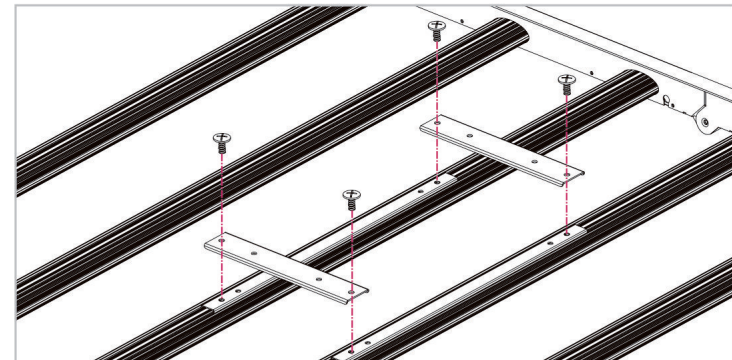
# ASSEMBLY & SETUP:

Take caution when handling the LED light bars. Make sure the LEDs and bars do not come in contact with sharp objects or excessive force that may cause damage to the diodes. Unbox and unfold the fixture and place on a flush and stable surface. **Below are the two different ways to mount the power supply.**

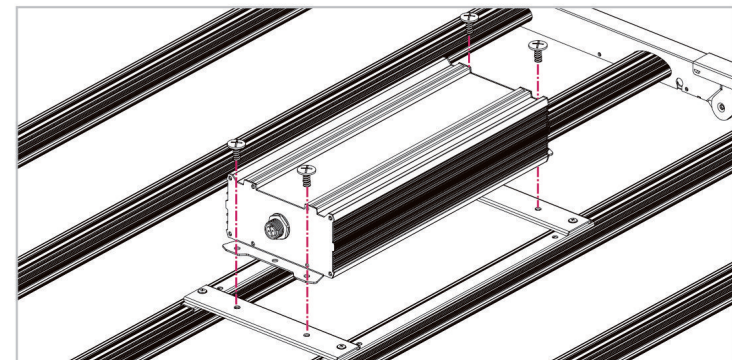
**Option 1:** Attach the remotely to a surface.



**Option 2:** Attach directly to fixture.



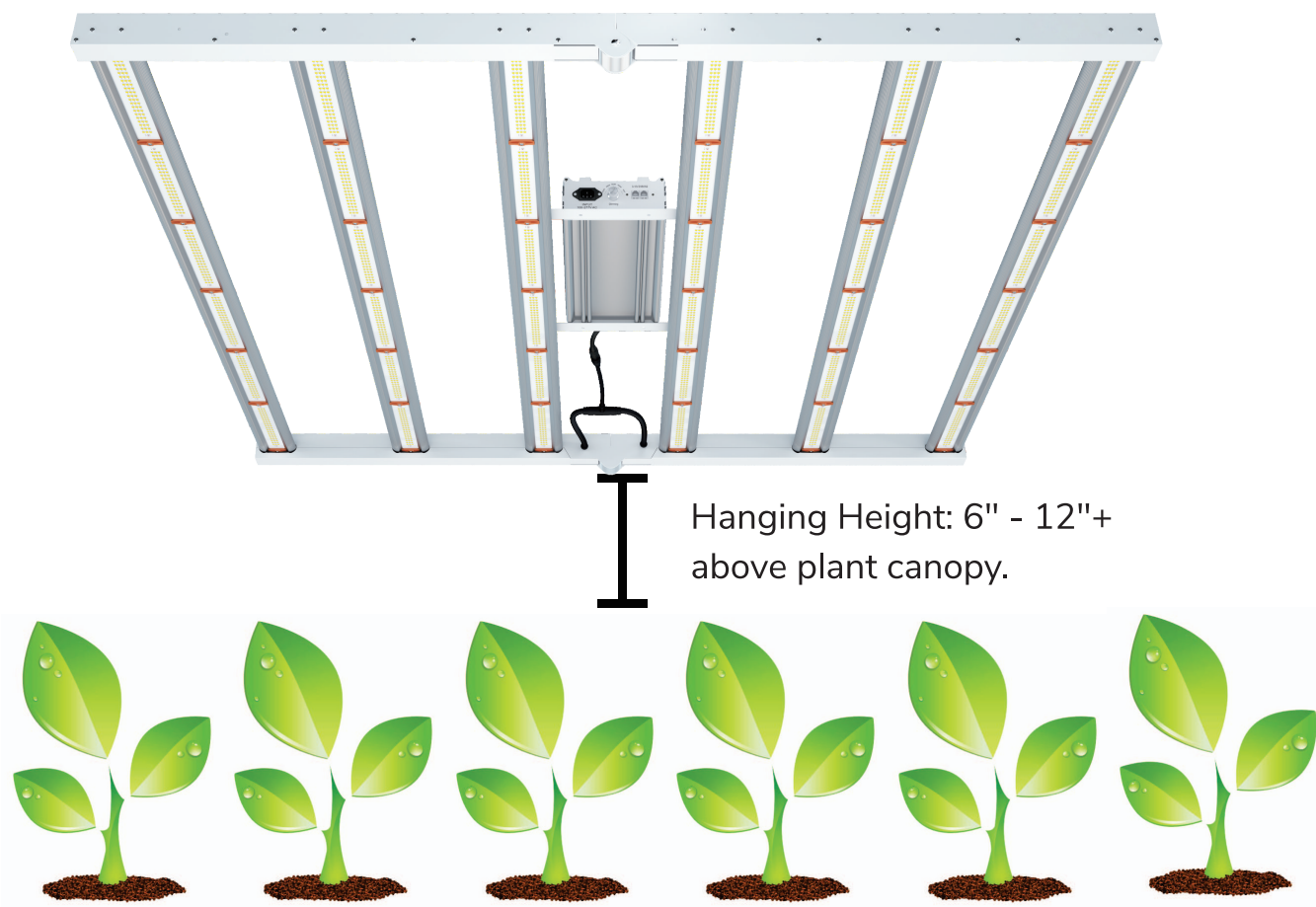
Fasten mounting bracket on led light strip with 4 screws.



Fasten power supply on mounting bracket with 4 screws.

# MOUNTING THE LED

Once the power supply is securely attached, the Covert PRO is now ready to be hung in your grow space. Attach the 4 included grow light hangers to the fixture on each corner and hang fixture over your plant canopy, leaving at least 6"-12" of space above the tops of your plants.



# WARRANTY:

Hydrobuilder warrants the mechanical and electronic components of their product to be free of defects in material and workmanship if used under normal operating conditions for a period of three (3) years from the original date of purchase. If the product shows any defects within this period and that defect is not due to user error or improper use, Hydrobuilder will, at its discretion, will replace the fixture. The Hydrobuilder warranty liability extends only to the replacement cost of the product. In case Hydrobuilder decides to replace the entire product, the limited warranty shall apply to the replacement product for the remaining initial warranty period.

# DISCLAIMER:

Hydrobuilder.com will not be held responsible for any damage caused by the operation of the unit, be it incidental or consequential or any type including, without limitation, damage or injury caused to other products or machinery or buildings. Nor will responsibility be accepted for loss of time or profit, loss of finished product, or for any inconvenience caused in any way.



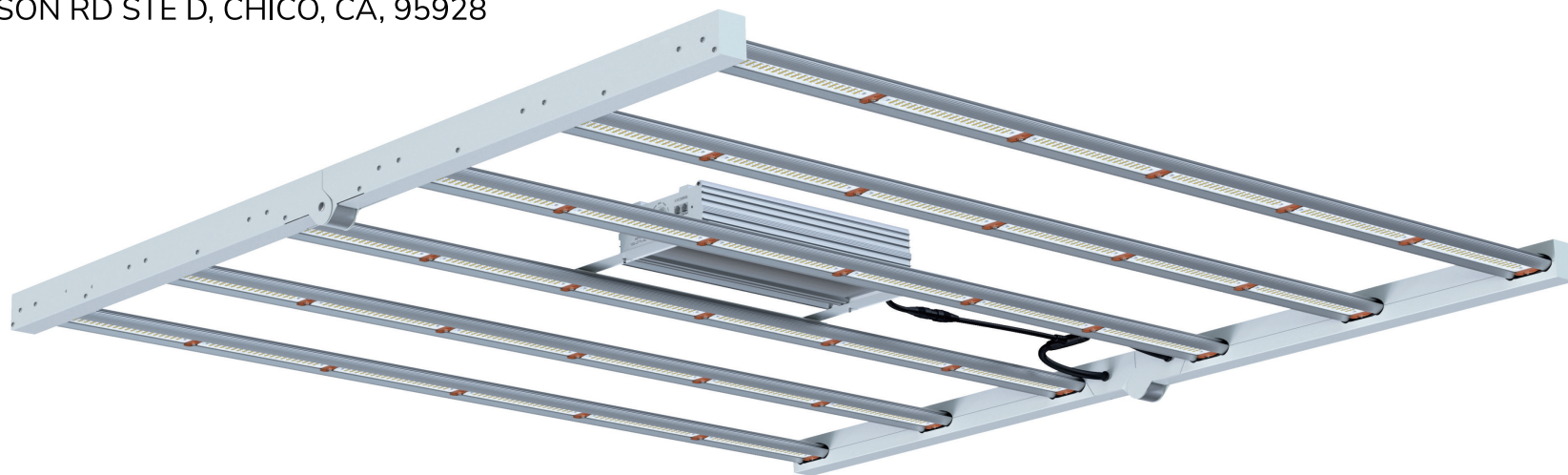
# COVERT

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## THANK YOU FOR CHOOSING COVERT LED!

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