

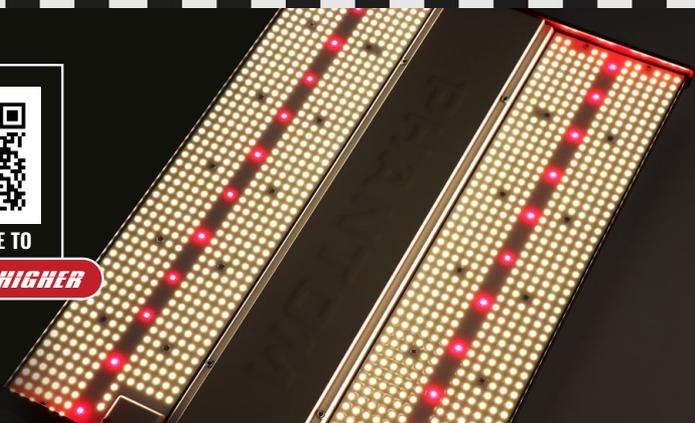
PHANTOM™ *Cultivar*

PHANTOM™



SCAN HERE TO

CULTIVATE HIGHER



Grow Light | Grow Tents



PHANTOM
Cultivar

Premium Home Growing Supplies That Last

Phantom was established over 16-years ago producing exclusively grow lighting for indoor plant cultivation. The brand has successfully created some of the most high-performance horticulture grow lights in the hydroponic industry.

For nearly 2 decades we've helped hundreds of thousands of grower's harvest hundreds of thousands of pounds of dank resinous flower across all North America. Many home growers we've supported along the way have graduated to be professional commercial cultivators producing some of the best cannabis.

PHANTOM Cultivar is the result of our combined 45-years of indoor cultivation experience, an endless obsession for cultivating the highest-quality indoor plants, and 16-years of engineering plant lighting and production experience. Our brand mission is to meet the demands solely of the home grower aiming to cultivate the highest quality plants indoors, with superior performing products that last, at the most affordable prices for consumers.

PHANTOM Cultivar LED

State-of-the-art Master-Apprentice Dimmer (MAD) function

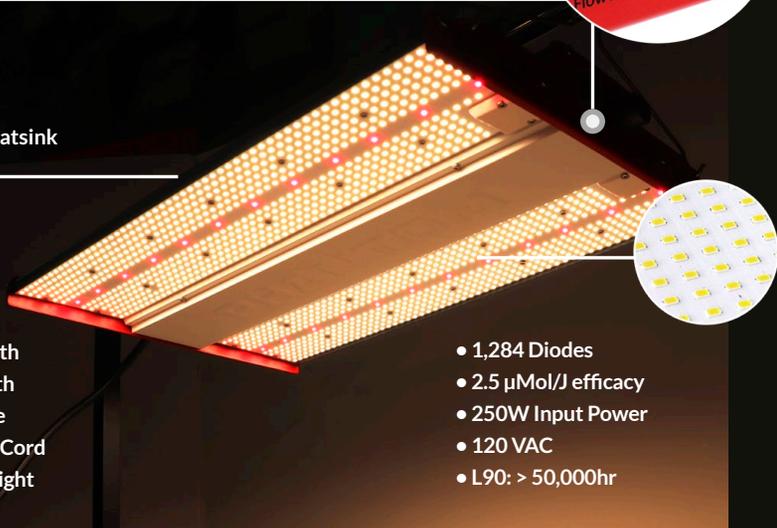
S4 Spectrum with Two-Step Spectrum Switch (TSS)



Unibody Heatsink

- 18.6" Length
- 12.6" Width
- 2.3" Profile
- 10' Power Cord
- 11 lbs. Weight

- 1,284 Diodes
- 2.5 $\mu\text{Mol/J}$ efficacy
- 250W Input Power
- 120 VAC
- L90: > 50,000hr



PHANTOM Cultivar LED

What's Included

Hook Hangers

RJ12 Control Cable

Height Adjustable Rope Ratchets



Phantom Cultivar's GL250 LED. Designed for those who take their cultivation seriously, regardless of where they grow. The small footprint of the future and the true IP65 rating offer nimbleness and flexibility grower need to push the definition of a 'grow room'.



GL250

PHANTOM *Cultivar GT*

What's Included

True 1680D Industrial
Grade Fabric Tent Fabric
- High-Reflectivity
Diamond Pattern Interior

Removable
Floor Liner

Removable
Tool Bag

Heavy Duty Steel Frame
Supports up to 200 lbs.

Tent Dimensions

PHT2400 - 2'x4'
47.2" x 23.6" x 70.9"

PHT4400 - 4'x4'
47.2" x 47.2" x 78.7"

PHT5500 - 5'x5'
59" x 59" x 78.7"

PHT8400 - 8'x4'
94.5" x 47.2" x 78.7"



- All-Steel Design & Framework
- 200 lbs. Weight Capacity
- 1680D Light-proof Oxford Fabric
- High Reflectivity Diamond Mylar
- Genuine SBS Zippers

PHANTOM *Cultivar GT*

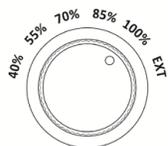
PHANTOM Cultivar GT is a durable and portable grow tent designed to grow plants anywhere indoors year-round. Easily create an ideal indoor environment for cultivating plants at home with PHANTOM Cultivar.

At the core of the grow tent is a reinforced, extra-durable, and completely steel interlocking frame that supports up to 200 lbs. Featuring diamond reflective mylar lining for maximum light reflection, easy-view plant window, dual entry doors, all-steel corners, non-light penetrating 1680D Oxford Canvas, light-tight double cinching duct ports, woven tool pouch, and maximum strength SBS zippers with light-blocking inner canvas layer to prevent light leaks where zippers meet.

Simply put, the Cultivar GT is a true workhorse, is built to last, and won't break the bank!

Key Features

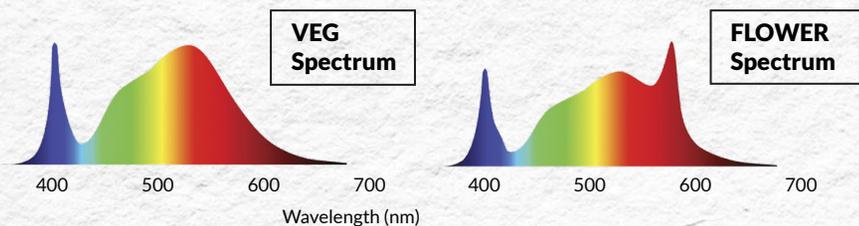
Integrated Light Output Control



AMPERAGE REFERENCE IN 120V INPUT VOLTAGE				
Mode	FLOWER		VEG	
	Amperage (A)	Power (W)	Amperage (A)	Power (W)
40%	0.85	100.7	0.80	93.5
55%	1.16	138	1.08	128
70%	1.48	176	1.37	163
85%	1.80	215.4	1.67	199
100%	2.06	246.5	1.90	227

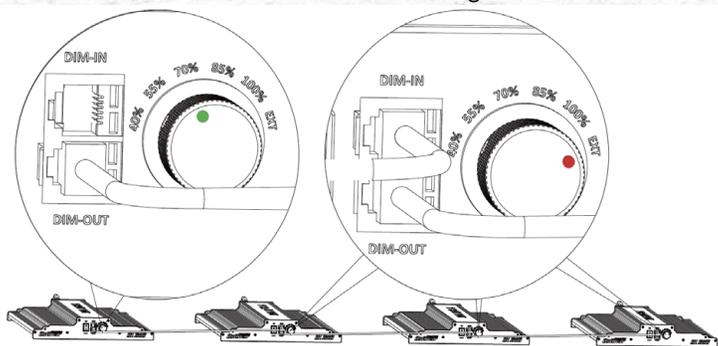
Spectra - S4 Spectrum with Two-Step Switch (TSS)

- Use the IP65-rated TSS to switch between VEG/FLOWER mode.
- FLOWER mode offers the S4 spectrum, with supplemented red LEDs at 660nm.
- VEG mode will reduce the red spectral output for early-stage plant development.



MAD (Master-Apprentice Dimming) Function

- Connect a maximum of 4 Phantom GL250 lights with RJ Signal Cable.
- Switch all Apprentice lights to EXT mode.
- Master light setting controls all fixtures.
- When in EXT mode, the Apprentice light will use the same settings as the master fixture.



Example: Master fixture is set to 70% 70% 70% 70%

System Overview

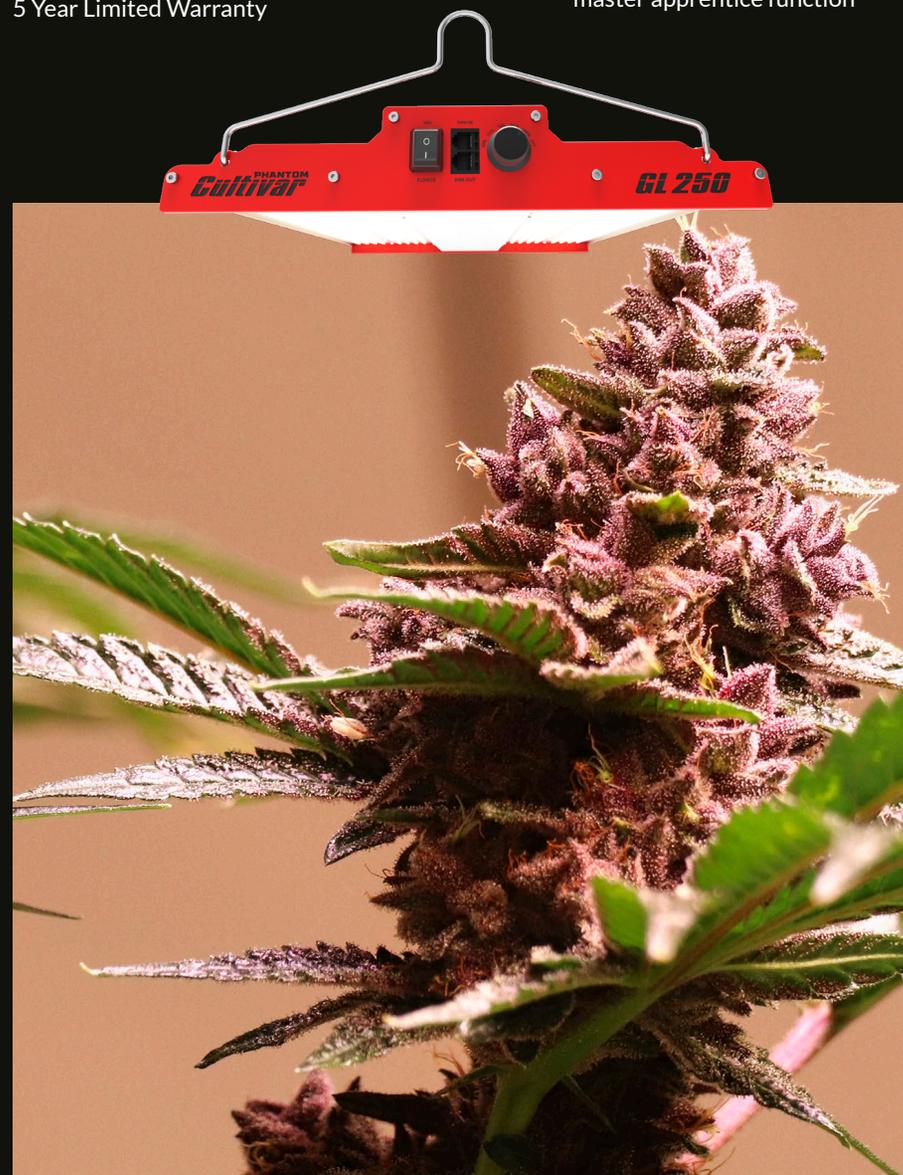
Model PTBZ1000125S41

Photon Flux (PAR 400-700 nm) 625 $\mu\text{mol/s}$
 Photon Flux (PBAR 280-800 nm) 641 $\mu\text{mol/s}$
 Efficacy (280-800 nm) 2.56 $\mu\text{mol/J}$

Fixture Power (W) 250
 Voltage Input 120V
 Typical Amperage 2.08
 10' Power Cord

Dimmable 40-100% On-board Dial
 Control up to 4 lights with included cable
 IP65 Rating provides high humidity protection
 5 Year Limited Warranty

Includes the following:
 (1) Pair of height adjustable rope ratchets
 (1) Connection cable for master apprentice function





Cannabis Terminology

Cultivar vs. Strain

In the context of human-bred species, particularly cannabis, the term “cultivar” is considered more scientifically precise than “strain”.

Cultivar: This term is short for “cultivated variety,” and it refers to a plant that has been intentionally selected and cultivated for specific desirable traits. In the case of cannabis, cultivar describes plants that have been bred for characteristics such as THC or CBD content, terpene production, flavor profiles, growth patterns, and more.

Strain: While commonly used in the context of cannabis, the term “strain” is somewhat misleading. A strain typically refers to a subtype of a microorganism, not a cultivated plant.





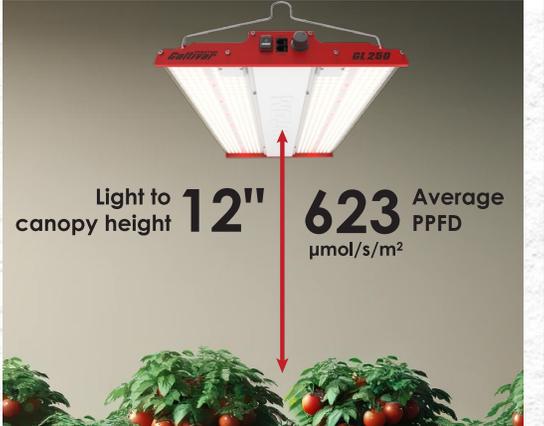
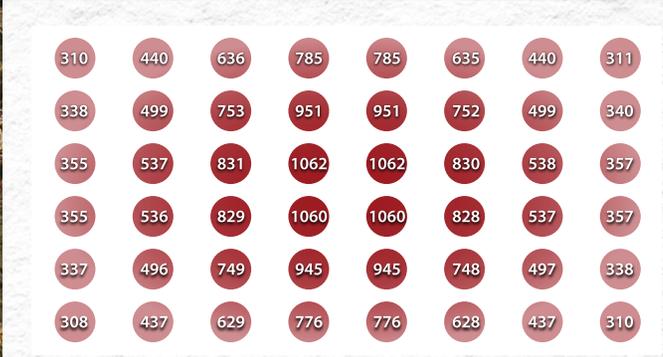
Dial In Your Environment

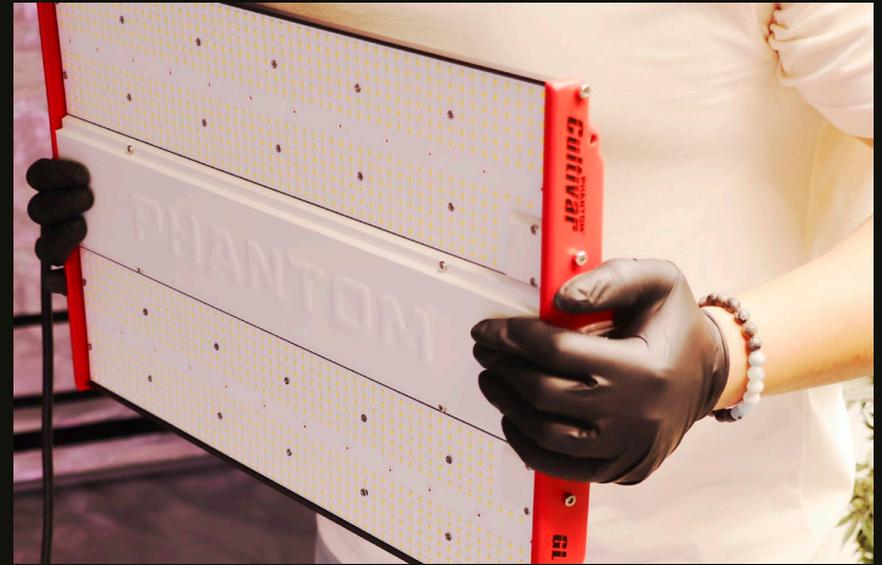
Lighting Up Your Space

According to a study by the Journal of Applied Life Sciences International, using LED lights for growing cannabis increased the plant's photosynthetic efficiency by up to 30% compared to traditional lighting methods.

Cannabis Growing with LED: When growing cannabis with LED grow lights, it is important to maintain an even canopy height, increase the grow room temperature to compensate for the lack of infrared light emitted by LEDs, and adjust nutrient concentrations to account for higher water evaporation if your growing hydroponically. Additionally, managing humidity levels is key, as optimal levels are around 50% during the flowering cycle.

- **GL250 LED's 2'x4' PPFD Footprint.**
- **Single Light in a 2'x4' GT Grow Tent.**





Atmospheric Movement

Air: To ensure proper airflow and minimize the risk of mold or mildew, it's important to set up a good ventilation system. This can involve using fans or exhaust systems to circulate fresh air throughout the growing area while removing stale or humid air. Adequate air circulation will not only help optimize plant health but also prevent issues like heat stress.

Temperature control is another critical aspect of creating an environment for cannabis plants. LED grow lights emit less heat compared to traditional HID lights, so maintaining appropriate temperatures becomes easier.

Water: Proper watering techniques are crucial for healthy root development and overall plant health. Avoid overwatering, as it can lead to root diseases. Allow the growing medium to partially dry out between watering sessions but ensure the plants never become severely dehydrated.

Air pumps and nutrient solutions are crucial components of an indoor hydroponics system, ensuring that your plants receive the necessary oxygen and nutrients for healthy growth.

Recommended Brands:

Soil / Grow Media



roots
organics

Plant Nutrition



Air + Water Control



Seeds Starting



Grow Accessories



Veg

PHANTOM

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