



BUILT IN THE USA

GUARDIAN900W



The Only Full-Spectrum LED Grow Light

With On-Demand 405 nm Crop Protection

The **Guardian900W** is the first and only full-spectrum LED grow light engineered with 405 nm antimicrobial light — a patented innovation that protects crops **while increasing yields, terpene richness, and overall quality.**

Unlike UV systems, 405 nm visible light is **safe for plants, non-destructive**, and can be used **any time**, even during the flowering cycle. The Guardian900W merges premium horticultural lighting and microbial suppression in one integrated, high-performance platform.

Key Advantages:

- **Higher yields & richer terpene profiles** with optimized full-spectrum output
- **Inhibits mold & powdery mildew** using safe, non-UV antimicrobial light
- **High PPFD output** for dense flowering canopies (up to 2,100 $\mu\text{mol}/\text{m}^2/\text{s}$)
- **Trusted components** from Cree, Osram & Samsung
- **Built in the USA** for durability, serviceability, and long-term reliability

Why 405 nm Matters:

- Safe visible-light wavelength — **NOT UV**
- Stops mold, yeast & bacteria **before they spread**
- Won't degrade cannabinoids or terpenes

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**YEARS OF
INNOVATION &
EXCELLENCE**

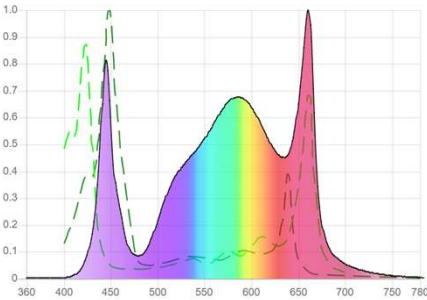


Scan for details

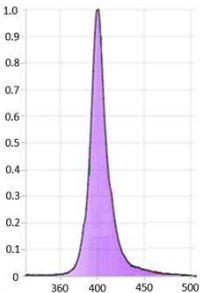
Guardian900W

(Optimized for Cannabis Flowering Phase)

Full Spectrum Spectral
Power Distribution



Antimicrobial 405 nm
Spectral Power Distribution



Summary Specifications

Dow Corning silicone conformal coating protects LED boards from moisture, ensures consistent light output, and minimizes light degradation.

Description	MoonWalker Guardian900W
Maximum power with cycling beam	900W @ 120VAC
	885W @ 208VAC
	875W @ 277VAC
405 nm cycling beam	On demand
Coverage area	Up to 4 feet x 5 feet
Full-spectrum white & red LEDs	Cree, Osram, Samsung
405nm LEDs	LEDESTAR
Operating voltage range	120 to 277VAC
Approximate dimensions (inches)	47 (L) X 43 (W) X 2.5 (H)
Weight	28 pounds
Warranty	5 years

Light Data

Average PPE (full spectrum only, no 405 nm cycling beam: 2.7 $\mu\text{mol}/\text{J}$
Maximum PPFD: 2,100 $\mu\text{mol}/\text{m}^2/\text{s}$

