CERES

The Build

Designed to replace the 600w and 1000w HPS lights, Ceres black is powered by 120, 6-watt diodes to deliver higher Photosynthetic Photon Flux (PPF) values. A single module will outperform a 600w HPS, and the dual module for any 1000w. By incorporating a light enhancing film we save electricity consumption by at least 40%. Furthermore, our diodes are cooled by 6 low noise level fans to reduce heat emissions in any environment.

Testing and Compliance

• ETL/cETL and DLC compliant
• EMI compliance (FCC Part 15)
• 50,000 hour life span
• 5-year warranty
• Rated to 113°F ambient operating temp

FEATURES & SPECIFICATIONS

General Description

Ceres Black is engineered for commercial grade cannabis growing. After years of government funded research combined with professional cannabis grower insights, our light spectrum provides the highest crop yields in the industry while boosting energy savings. Ceres Black is designed to be modular for a larger foot print and to distribute photosynthetic active radiation (PAR) consistently so all your plants get what they need year-round.

Power

Providing the right amount of power ensures healthy development. Too much or too little PPF can jeopardize your operations. A single Ceres Black module has a PPF value of 756 umol/s and 1512 umol/s for the dual.

Electrical Specifications

Ultra-high efficient (94.5%), constant-current drivers are suitable for wet locations. 6kV input surge suppression. Input voltages options are 120-277VAC (auto-sensing), 347VAC and 480VAC, 50/60Hz. Dimming and on/off control utilized in conjunction with optional wireless controls.

Energy Efficacy

We are the Industry leaders when comparing other high quality LED grow lights and their efficacy. Ceres Black only consumes 566W electricity to replace the 1000W HPS, at least 10% less compared to others.

LEDs

High-power, wide angle (140°) multi-chip LED packages combine multiple wavelengths to create a spectrum ideal for various horticulture applications and needs. Highly efficient, AR-coated, tempered-glass lenses protect LEDs while allowing 98% transmission of photons.

CERES BLACK	VEGGING STAGE	FLOWER STAGE
INPUT VOLTAGE	100-240 AC	
POWER CONSUMPTION	283 Watts	283 Watts
LED COUNT	240 pc	
POWER EFFICACY	2.6 PPF/W	
HEAT OUTPUT	3.4 BTU/W	
OPERATING TEMPERATURE	-4°F to 113°F (-20°C to 45°C)	
THERMAL MANAGEMENT	Fan Cooling	
DIMENSIONS (INCHES)	17 L x 6 W x 4.6 H	17 L x 12 W x 4.6 H
WEIGHT	19.8 lbs	
AMPS	2.4	