

CLEAResult[®]

The horticultural lighting revolution

State of the art lighting and controls

Cannabis growers across the country are increasing their energy savings by taking advantage of incentives offered by electric utilities that require LED horticultural lighting. Many cannabis growers are shifting to LED horticultural lighting because it results in the same product quality, consistency and volume as traditional lighting sources. Growers that switch to LEDs are better equipped to stay profitable when market prices adjust to increasing local supply, especially since electricity costs account for 20% to 50% of operating costs.

LEDs save nearly half the electricity as conventional crop lights. The savings are twofold: LEDs produce more photosynthetic energy for less power, and they generate less waste heat. As a result, less energy is needed for cooling and dehumidification.

What's more, LEDs can be precisely controlled so growers can adjust light intensity to optimize plant growth. LED horticultural lighting technology is the way of the future—and there are already many products to choose from.

Testing from the third-party certification agency, Design Lights Consortium, provides assurance that lights meet strict quality and performance standards as well as come with the warranty to back it up.

Electric utility incentives are available for retrofitting existing grow rooms and for expansions, new construction and room reconfigurations (e.g., single tier to multi-tier). Greenhouses and fully indoor cultivation rooms qualify for additional utility incentives. They are more energy efficient than fully indoor facilities because they take advantage of natural sunlight. As a result, additional incentives may be available for opting to grow cannabis in a greenhouse environment.

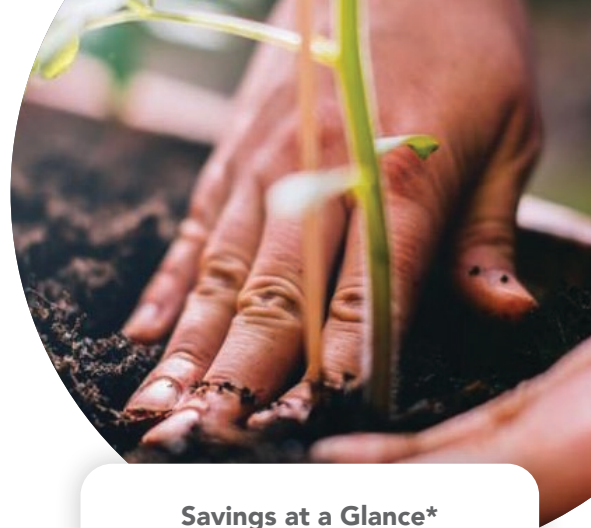
Results

Utility customers around the country are receiving incentives for LED horticultural lighting products that offset 10% - 50% of their lighting costs.

Get Started

Today Check out the products available on the DLC's Horticultural Lighting Qualified Products List and contact your electric utility efficiency program representative about custom and prescriptive incentives for horticultural lighting – and beyond!

**Savings assume cannabis flowering, 12 hr/day of 630W LEDs replacing 1000W HPS. 25% added savings due to reduced cooling loads. Greenhouse savings assume indoor baseline and controls turn off lights when sufficient sunlight is available. Project savings will vary based on measurement and verification*



Savings at a Glance*

130 kwh
s.f. canopy

Average annual energy savings for indoor cultivation facility

200 kwh
s.f. canopy

Average annual energy savings for greenhouse cannabis

25%

Additional HVAC savings due to reduced waste heat from efficient LEDs



We change the way people use energy, *for Agriculture*.

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