

LED REBATES FOR INDOOR AGRICULTURE OPERATORS

INFORMATION SHEET
COLORADO

Prescriptive rebates for invoices dated July 1, 2022 or later.



Xcel Energy is committed to making energy efficiency more affordable and accessible for our indoor agricultural customers. To help growers invest in efficiency immediately and improve your bottom line, we now offer prescriptive horticultural LED rebates and valuable technical assistance from industry experts to all commercial indoor agriculture operators.

Benefits

These rebates help you maximize savings and boost productivity.

Lighting upgrades are often the easiest way to save energy and improve production processes in cultivation facilities.

Earn cash rebates through Xcel Energy's lighting rebate program for purchasing and installing qualified LED grow lights.

Who is eligible?

Rebates for retrofit and new construction horticultural grow lighting projects are available to indoor cultivation businesses that use artificial light to grow plants of all types such as:

- Cannabis
- Tomatoes
- Microgreens
- Vegetables
- Flowers

Agricultural grow lighting projects

Prescriptive rebates are available for retrofit and new construction indoor agricultural grow lighting projects invoiced on or after July 1, 2022.

Rebate qualification requirements

Earn up to \$0.70/Watt installed for the installation of horticultural LEDs for:

- Retrofit and/or new construction projects.
- For retrofit project rebates are based on replacement of HPS, MH, CMH, T5, or T8 with new horticultural LED products.
- Fixtures must have a minimum photosynthetic photon efficacy of 1.8 $\mu\text{mol}/\text{J}$.

How to get started

- Download the LED Agricultural lighting express application and determine equipment eligibility and requirements.
- After purchasing and installing qualifying equipment, complete and submit the rebate application.
- Your rebate will arrive six to eight weeks from when your submission is received.

Technical expertise and project support from start to finish

Xcel Energy offers no-cost technical services through our Indoor Agriculture Business Energy Assessment program to help cultivators optimize production processes and identify improvements to their operation that yield energy and cost savings.



LED REBATES FOR INDOOR AGRICULTURE OPERATORS**COLORADO**

Our industry experts understand the complexities of indoor plant production and know what strategies work to not only save you energy but also improve your growth environment.

Take advantage of their expertise today! Call 720-285-8780 or email xcelindoorag@FranklinEnergy.com.

Benefits:

- Receive a NO-COST energy assessment to identify and quantify energy saving opportunities.
- Technical assistance to develop project specifications, evaluate equipment performance, and assess contractor bids.
- Optimize your production and growth environment through the measurement and analysis of your:
 - PPF/D
 - VPD
 - Airflow
 - Lighting Schedules
 - Electric Bill
 - And much more!

FAQs**When should I contact Xcel Energy about rebates?**

Contact Xcel Energy before purchasing new lighting equipment if you have questions about whether equipment qualifies for a rebate.

How can I determine an estimated return on investment for new lighting equipment?

Xcel Energy's Business Energy Assessments can help to shed more light on the potential return on investment of your lighting upgrades.

How long will Horticultural LEDs last?

LEDs have an extremely long life of up to 50,000 hours, saving significantly on time and money associated with lamp replacement¹. They are also much more durable than traditional HID and fluorescent lighting. They emit less heat and are water resistant, and many are even waterproof. This makes them perfect for the extreme environments necessary in an indoor cultivation facility.

My current lighting works well, and my yields are good.**Why should I make an investment to upgrade?**

Horticultural LEDs have come a long way in the last five years. The technology improvements provide increased efficacies, broad spectrum light quality, enhanced controllability, and greater reliability²⁻⁵. They provide so much more than just energy savings to a cultivation facility:

- Increase yield through higher light intensities.
- Enhance product quality and cannabinoid-synthesis through optimized light spectrums.
- Reduce maintenance costs.
- Emit less heat and reduce cooling energy.
- Make vertical farming possible.

Franklin Energy administers Xcel Energy's Indoor Agriculture Business Energy Assessment program. Contact Franklin Energy at **720-285-8780**, or xcelindoorag@FranklinEnergy.com. Or contact your Xcel Energy account manager or our Business Solutions Center at **855-839-8862**.

¹ DLC - Technical Requirements for LED-based Horticultural Lighting Version 2.1

² Kusuma, P., Pattison, P.M. & Bugbee, B. From physics to fixtures to food: current and potential LED efficacy. Horticulture Research 7, 56 (2020)

³ Cannabis Grow Lighting Myths and FAQs with Dr. Bruce Bugbee

⁴ GLASE – Light and Energy Modeling in Controlled Environment Agriculture

⁵ Hopper, Eric. Plant Growth and the Light Spectrum – Maximum Yield (2018)