



coolBarTM

High Intensity, Water-Cooled Lighting for Modern Farmers
www.coolbar.co

High Intensity Light Without the Heat

UNLEASH THE POWER OF WATER-COOLED LEDs

The CoolBar™ gives indoor growers more control over their growing environment with efficient, water-cooled technology. Using farmer-focused design, this high intensity light bar delivers the industry's top performance in a rugged aluminum body that holds up on a real farm. Unlike traditional LED fixtures, the CoolBar gives farmers the ability to perform in-farm maintenance as needed without sending it back to the manufacturer. Why is that important? Because farmers can't afford to lose production by taking their lights out of the system for days.

THE COOLBAR™ EMPOWERS GROWERS WITH...

- 1 High output, low temperature LEDs** - At almost 400 watts in 6 feet (1.8 meters), the CoolBar packs a productive punch thanks to a unique water-cooled design. By continuously circulating water from the lights to a chiller, the CoolBar can deliver high intensity while reducing or eliminating heat load to your growing environment.
- 2 Lower operational costs** - By using a chiller with a high SEER (seasonal energy efficiency ratio) rating, the CoolBar can lower operational expenses typically attributed to energy-heavy HVAC units. Efficient LEDs combined with water cooling help improve a grower's bottom line, keeping your system running cool and extending the lifespan of your lights.
- 3 Ease of use and service** - All CoolBar components are easily removed from the main body of the light bar allowing growers to perform their own maintenance. Being able to replace individual LED boards gives growers more control.
- 4 Safety and support** - The CoolBar also comes with built-in safety features and fail safes to ensure you and your team are protected. And, because it's a Bright Agrotech product, the CoolBar is backed by the industry's best support to give you confidence when you need it.

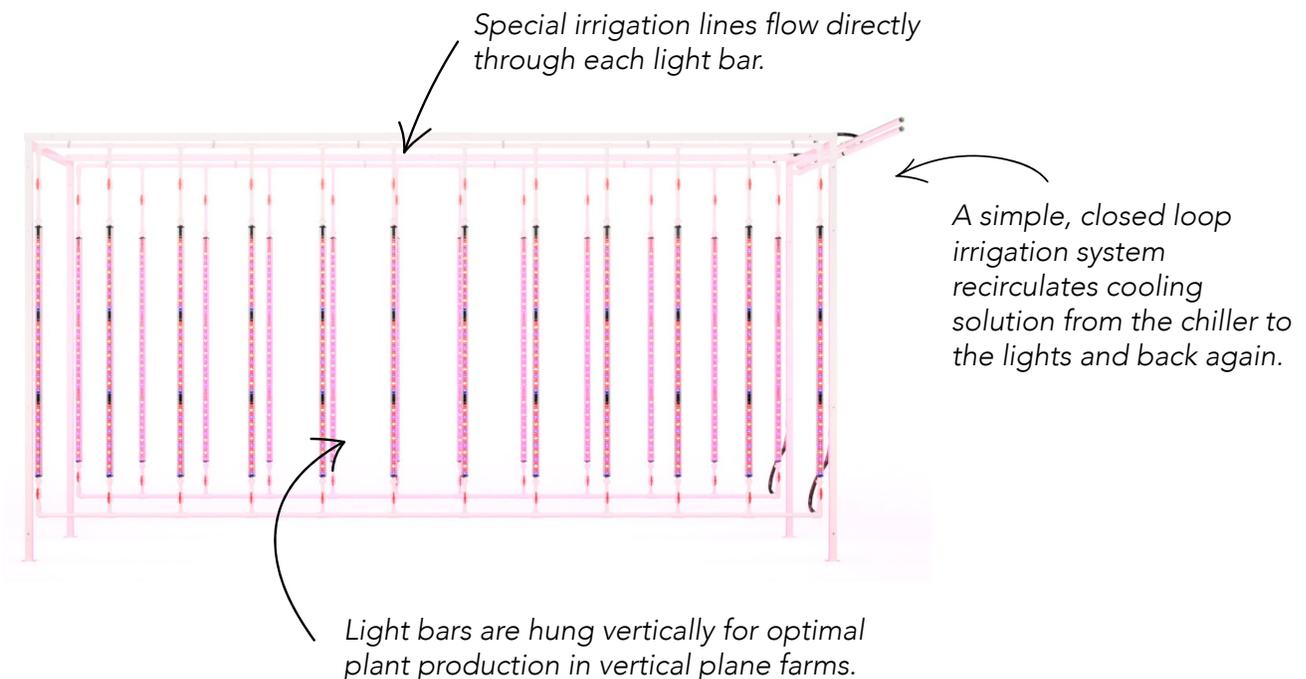


How the CoolBar™ Works

GAME CHANGING, WATER-COOLED DESIGN

The CoolBar™ LED lighting system is sold as a complete bundle which includes a **minimum of 48** double-sided light bars, light racks, a chiller system, power supplies and select irrigation equipment.

The system operates as a recirculating design that pumps cooling solution from the chiller through the every light bar in your CoolBar array before heading back to the chiller. This constantly recirculating loop provides a highly efficient method of keeping your lights running at lower temperatures, improving both their performance and their lifespan. Valves on each light bar help to ensure water is distributed equally throughout the entire array while also allowing a farmer to move lights in and out of the irrigation without shutting down their entire operation.



HIGH EFFICIENCY CHILLER INCLUDED

The CoolBar LED lighting system is equipped with the industry's leading chiller technology to ensure your system runs cool every day for years on end.

Our team will size your system for you, taking into account future plans to scale. The appropriate chiller model will be automatically added to fit your unique system but if you plan to scale, please talk to one of our sales specialists to select a chiller that meets the demands of your current and future system.



CoolBar™ Pricing & System Recommendations

CoolBar lighting systems start at \$40,000 (2 LightRacks) and include everything you need to start growing right away including LightRacks, CoolBars, a chiller, irrigation, wiring and power supplies. Scaling is easy, and can be accomplished one ZipRack at a time. Talk to one of our sales specialists to customize your CoolBar system based on your unique growing space.

\$40,000 BASE PACKAGE PRICING

- CoolBar (48 double-sided light bars)
- LightRacks and all necessary mounting hardware (2)
- Power Supplies (8)
- Chiller (1)
- Irrigation up and down LightRacks
- Wiring up to end of LightRacks

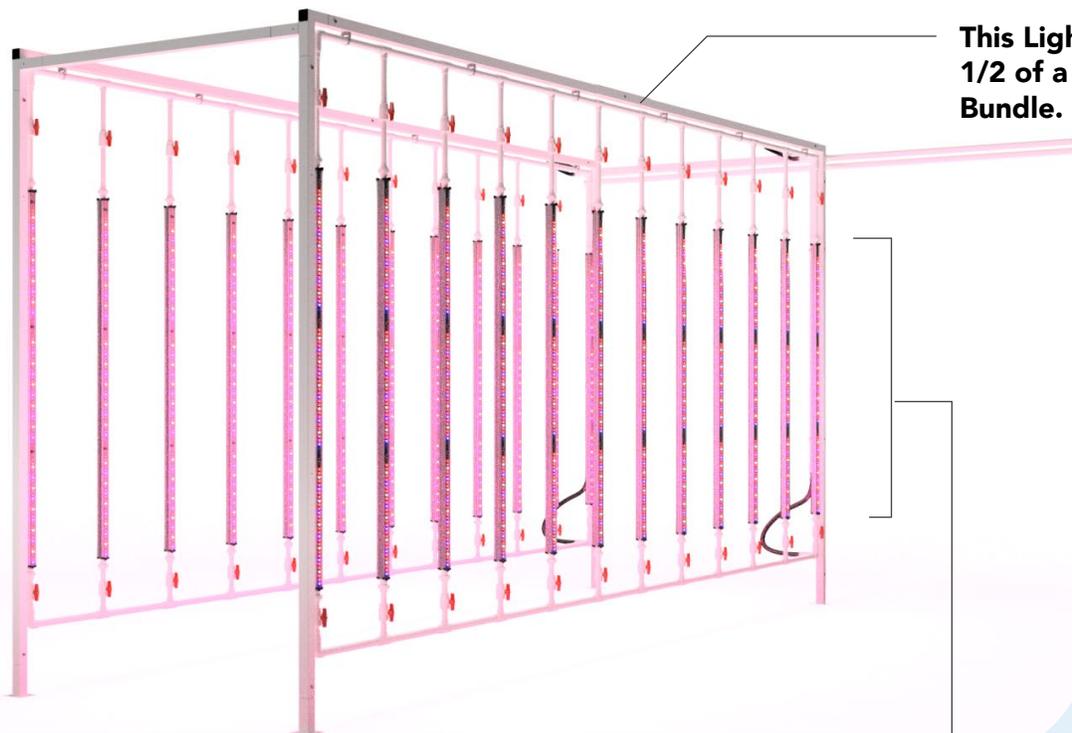
*Some farms may require additional tubing and wiring between the chiller, power supplies and rack. Talk with our growing specialists to find out if your farm requires extra equipment.

SYSTEM RECOMMENDATIONS

The ideal CoolBar system will have:

- 3-Phase electricity
- A cement pad to host the chiller outside of your growing facility

**Custom applications and designs are possible. Contact our sales staff for more info.*



**This LightRack represents
1/2 of a CoolBar Base
Bundle.**

**Each LightRack comes with 24 CoolBars, 12 per
each side of the LightRack**

Defeat the Heat with Water-Cooled LEDs

HIGHER PRODUCTION, LOWER COSTS, LONGER LIFESPAN.

The CoolBar™ eliminates the trade off between light intensity and keeping your growing environment cool. This gives you greater freedom to use higher intensities, without the costs of more HVAC. It also keeps your LEDs working more efficiently for years to come*.

Due to its water-cooled design, the CoolBar is more efficient and functional than other lighting systems on the market.

THE PROBLEMS WITH HEAT



High intensity is needed for optimal plant production, but the greater the intensity, the more heat added to the growing environment.



HVAC (heating, ventilating, and air conditioning) systems are expensive to install and operate at the levels needed to maintain a healthy growing environment for plants and workers.



Historically, lights used in indoor farms are fragile, expensive, and difficult or almost impossible to service by the farmer.

THE COOLBAR SOLUTION



By de-coupling light and heat, the CoolBar™ gives farmers the intensities they need, without adversely affecting the growing environment.



By leveraging a unique water-cooled design and minimizing the need for conventional HVAC systems, the CoolBar™ can drastically reduce both operating and capital costs.



Designed for utility, the CoolBar™ has a rugged aluminum body and interchangeable light boards that give farmers more control in maintaining their own equipment.

*Warranty Information

- CoolBar: 3 year warranty
- LightRack: 5 year warranty
- ZipRack: 5 year warranty
- Chillers: Warranty is through [Cold Shot](#)
- Power Supply: Warranty is through [MeanWell](#)

Note: Warranties apply only when equipment is properly maintained and user instructions are followed. See [warranty overview](#) for more information.

Achieve Maximum Production with the CoolBar™.

MAXIMIZING PAR

The CoolBar™ uniquely combines high PAR (*photosynthetically active radiation*) values and great coverage area. Many fixtures use lenses or reflectors to boost PAR at a focal point. While this can work for small growing areas, large growing areas such as those in the ZipFarm require more than lenses and reflectors. CoolBars can be hung closely together to raise the PAR levels far out to the sides.

[Click here](#) to learn more about PAR comparisons between the CoolBar™ and alternative lighting methods.

1

At 12 lights per row (3 ZipRacks) they deliver 300+ $\mu\text{mol}/\text{m}^2\text{sec}$ PAR

2

CoolBars™ are light and durable enough to be moved safely and easily

3

Low running temperature results in LED life of 50,000 hours+

Questions?

Our Sales and Support Specialists are standing by to help.
Call or email us to get started!

(307) 288-1188 | info@brightagrotech.com

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