



Catalyst® GH

GREENHOUSE UNDER CANOPY LIGHT

The Catalyst® GH was the first under canopy lighting system built specifically for greenhouse cannabis cultivation. With mounting options like stands, sliding mounts, and custom configurations, Catalyst® GH adapts to the unique layout of any facility. Designed for high-voltage infrastructure—including 480V—it's ideal for large-scale operations. By delivering light from below, Catalyst® GH compensates for shadows that hit the lower leaves, promoting more even growth and higher-quality flower. Its rugged design, custom spectrum, and advanced optics ensure reliable performance in demanding environments.

Unlock Up to
40% More
Premium Flower Yield



Increased Yields
Grow up to 40% more premium flower



Rugged & Durable
Built to withstand harsh under canopy conditions



Safe for High Voltage
Safely operates from 208–480 VAC from a remote driver



Stationary Lights
Lights stay in place, making room turnovers easy

Key Benefits

✦ Voltage Compatibility Without Compromise

Runs from standard 208–480V greenhouse power while distributing safe, low-voltage DC (under 250V) to fixtures near plant level.



✦ Eliminates Canopy Shadows

By delivering light from below, Catalyst® GH compensates for shadows on the lower leaves—promoting more even light distribution, healthier lower growth, and increased overall yield.

✦ Easy to Work Around

Catalyst® GH lights slide away easily during room turnovers and have a variety of mounting configurations, saving time and reducing wear and tear.

✦ Proven Yield Increases

Early adopters report 20–40% yield increases by delivering more light where it usually is lacking—beneath the canopy, where lower leaves drive secondary metabolite production.

✦ Greenhouse Optimized Spectrum

Tailored light spectrum enhances productivity in full-sun or supplemental-lighting scenarios.

Key Features

✦ Two Power Options

340W (High Power)
260W (Medium Power)

✦ High Efficiency LEDs

Up to 2.9 $\mu\text{mol/J}$ (DC). Catalyst® GH prioritizes efficient light distribution, maximizing photon reach for better plant growth and higher value crops.

✦ Withstands Moisture & Movement

Built for greenhouse environmental stresses.



**Increase Yield
up to 40%**

Extend light deeper into the canopy and convert more of your crop into high-quality product.

Key Attributes

Bench Length

Expandable 84"- 106" fixture length reduces the number of connection needed and points of failure.

IP65 Rating

IP65 Rating ensures fixture reliability while providing peace of mind.

Polycarbonate Lens

Light shaping lens that protects and is easy to clean.

Waterproof Daisy Chain Connections

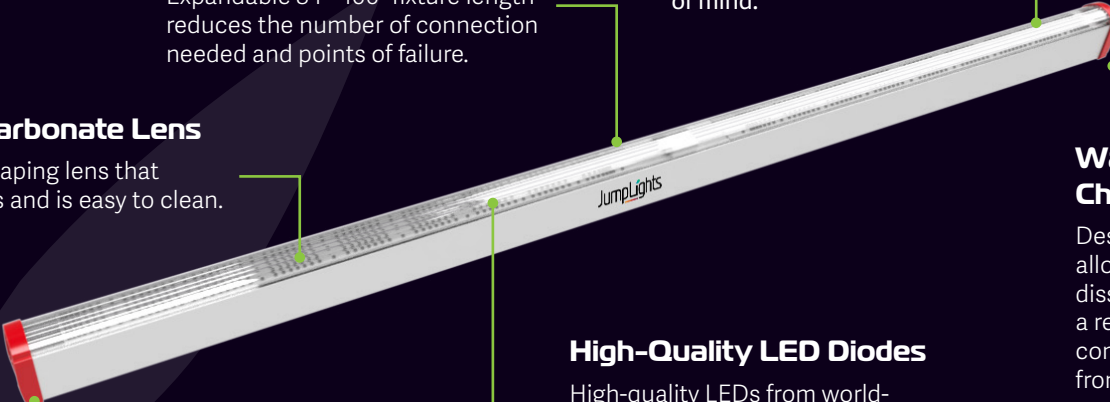
Design of heat sink extrusion allows for proper heat dissipation while also creating a recessed area for electrical components to be protected from the elements.

High-Quality LED Diodes

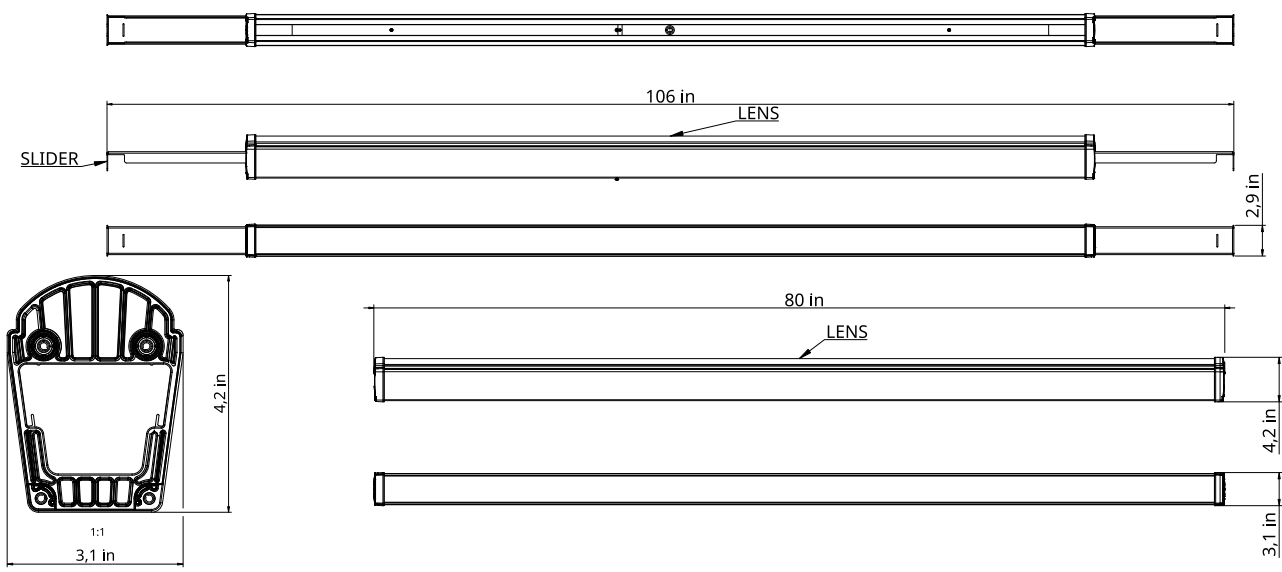
High-quality LEDs from world-leading manufacturers ensure long-term performance and reliability.

Flexible Mounting Options

Choose from stands, sliding mounts, or custom mount options depending on your greenhouse setup.



Catalyst GH Dimensions



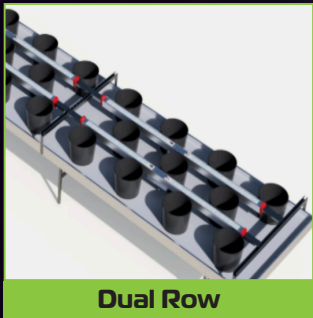
Configurations

Power Configurations

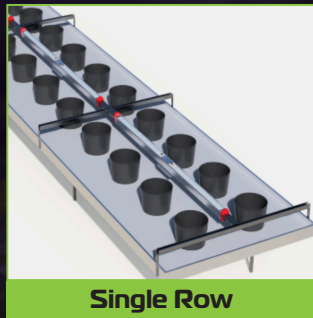
Catalyst® GH is built to adapt to any bench or plant layout. Whether your grow calls for a single high-power fixture running down the center or dual-row medium-power units for wider coverage, we can configure the system to match your exact needs. This flexibility ensures uniform light distribution beneath the canopy, maximizing plant health and yield in any room design.



Layout Configurations



Dual Row



Single Row

Mounting Options

We offer various mounting configurations to fit the needs of your greenhouse. We also offer the Catalyst Mobile, featuring custom mounts specifically designed for Mobile Grow Tables and Containers in high voltage greenhouses. Reach out for more information on the Catalyst Mobile.

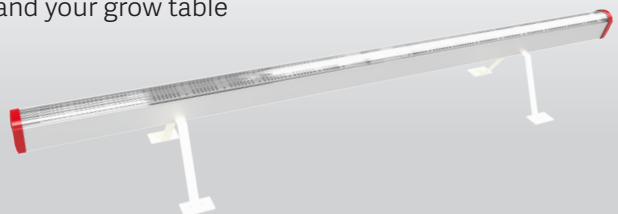
Sliding Mounts

Sliding Mounts are adjustable in length to easily mount onto trellis bars.



Stands

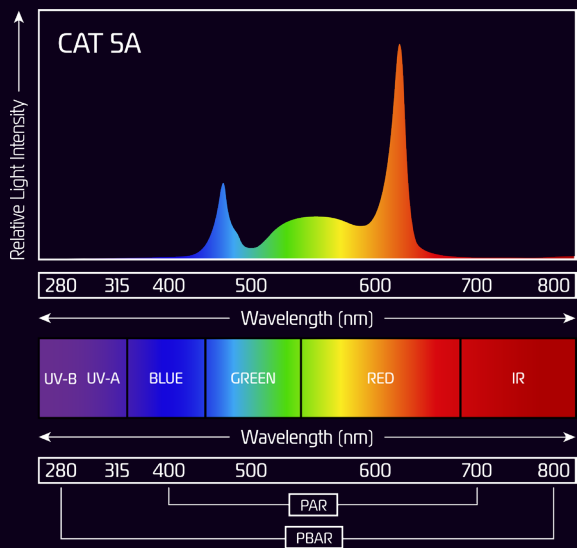
Lightweight, durable stands that mount directly to the bottom of the Catalyst and your grow table



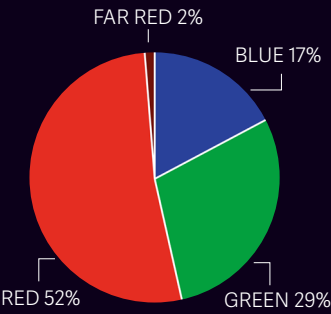
Catalyst® GH Specifications - Single Unit		
	CA GH - 340	CA GH - 260
PPF: (μmol/s)	930	720
Efficacy: (μmol/J)	2.9	2.9
Spectrum	Broad Spectrum — 52% Red	
Environment	Greenhouse	
Lighting Scheme	Under Canopy, supplemental	
Certifications	UL8800 Wet Location, IP65, DLC (pending)	
Warranty	5 years	
Dimensions	4.5"H x 3"W x 80L	
Weight	11 lbs	
Ambient Temperature	40° C max	

Remote Driver		
	CA GH - 340	CA GH - 260
AC Input (V)	208-480V	
AC Power (W)	1275W	
AC Current 480V (A)	2.7	
AC Current 277V (A)	4.65	
Units Powered	3 or 4	5 or 6
Dimming	0-10 VDC, Dim to Off, wired with LLT M12 connector	

Spectrum



Ratio



We don't outsource innovation—we provide smart engineering, hands-on assembly, and performance you can count on.



Years of R&D and field-tested results



Engineering support straight from the source



One-of-a-kind patented designs



JumpLights proudly designs, engineers, assembles, and quality tests every product in our U.S. headquarters, ensuring top quality reliability, and support.

