

Catalyst™

Under Canopy Lights

JumpLights Catalyst was the first under canopy lighting system designed specifically for the under canopy environment. With a custom-tailored spectrum, enhanced optics, and rugged durability, Catalyst lights are engineered to thrive in challenging cultivation environments, ensuring more consistent growth and premium flower content by providing light from below.

Unlock Up to
60% More
Premium Flower Yield



Increased Yields

Grow up to 60% more premium flower



Rugged & Durable

Built to withstand harsh under canopy conditions



Enhanced Optics

Uniform light coverage for consistent growth



Stationary Lights

Lights stay in place, making room turnovers easy

Catalyst under canopy lights offer ergonomic design, enhanced optics, durability, and a custom spectrum for cannabis cultivation, improving efficiency, quality, and reducing labor costs. Catalyst lights feature aluminum housing, recessed connections, and a durable polycarbonate lens, with sliding arms for easy mounting and minimal disruption during room turnovers.

Key Benefits

✦ Easy to Work Around

Catalyst lights slide away easily during room turnovers, saving time and reducing wear and tear.

✦ Balanced Spectrum

Catalyst lights offer a balanced spectrum, reducing the risk of photobleaching and enhancing cannabis quality.

✦ Efficient Thermal Management

High-quality components and heat management ensure long-term performance without overheating.

✦ Optimized Plant Management

Designed for optimal synergy with plant training for maximum yield and quality.

✦ Maximized Light Output

Catalyst prioritizes efficient light distribution, maximizing photon reach for better plant growth and higher value crops.

✦ Made in the USA

Our lights are designed, assembled, and quality tested in the USA, ensuring reliable quality control and superior customer service.

Key Features

✦ 260 & 340 Watt

Available in two power levels, with one level optimal for single row and one level optimal for dual row growing.

✦ Waterproof

IP66 connectors are protected and out of the spray zone for better waterproofing

✦ Cooler Lights

Advanced thermal design keeps LEDs cooler for longer lifespan



Key Attributes

Polycarbonate Lens

Provides protection for LEDs in harsh environmental conditions.

Bench Length

Expandable 80"-106" fixture length reduces the number of connection needed and points of failure.

Spectrum

Balances spectrum loss from dense upper canopy lighting.

Waterproof Daisy Chain Connections

Reduces installation cost and protects workers from risk of electrical accidents.

LED Diodes

High-quality bins from a leading manufacturer ensure long-term performance and reliability.

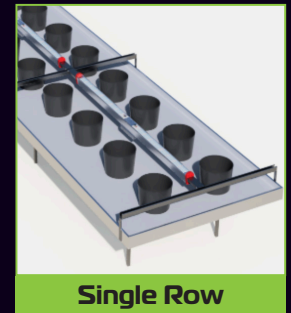
Extendable Mounting Caps

Designed to seamlessly integrate into existing bench and racking systems.

Configurations

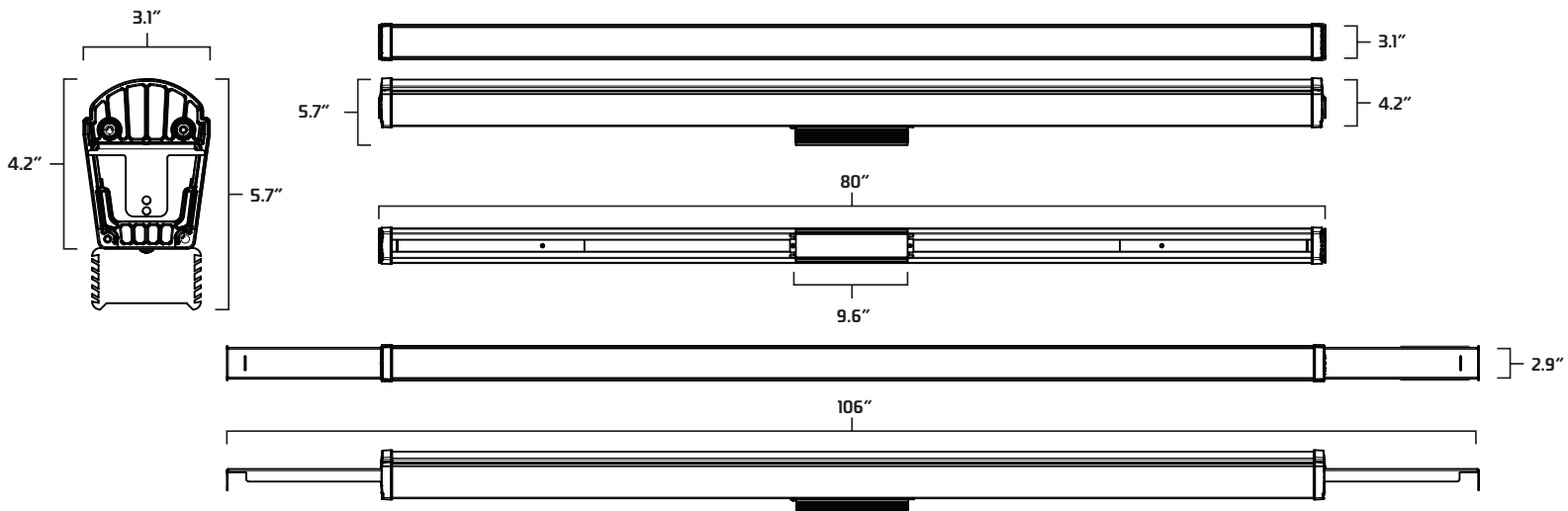


Dual Row



Single Row

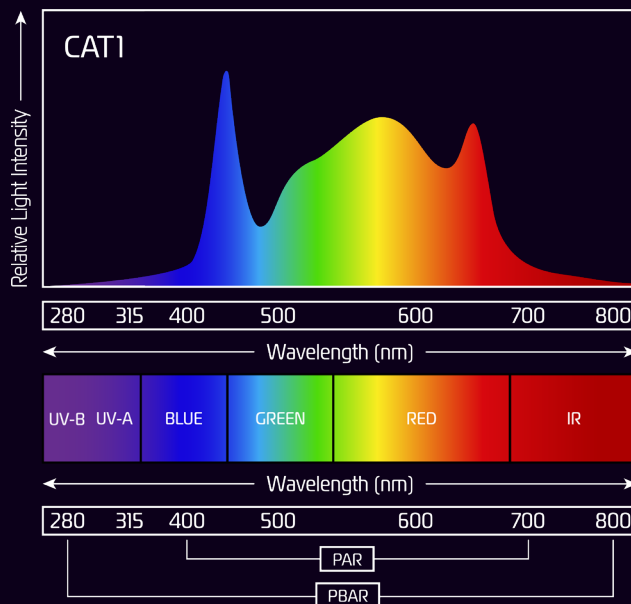
Catalyst Dimensions



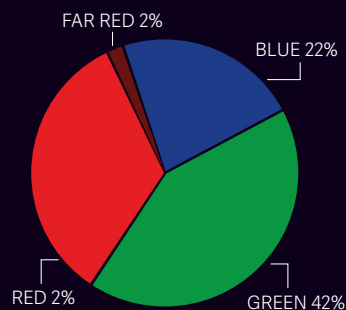
Catalyst Specifications

| | | | | |
|------------------------|---|---|----------------------|----------------------|
| | Catalyst: 340 Models: CA340-277 & CA340-480 | Catalyst: 260 Models: CA260-277 & CA260-480 | | |
| PPF: (μmol/s) | 835 | 660 | | |
| Efficacy: (μmol/J) | 2.4 | 2.5 | | |
| Spectrum | Broad Spectrum — 35% Red | | | |
| Dimming | 0-10 VDC, Dim to Off, wired with LLT M12 connector | | | |
| Controlled Environment | Indoor Stacked (2 Tier) and Non Stacked, Greenhouse | | | |
| Lighting Scheme | Intra-Canopy and Under Canopy, supplemental | | | |
| Certifications | UL8800 Wet Location, IP66 | | | |
| Warranty | 5 years | | | |
| Dimensions | 4.5"H x 3"W x 80L | | | |
| Weight | 11 lbs | | | |
| Ambient Temperature | 40° C max | | | |
| AC Input (V) | CA340-277 220-277 | CA340-480 277-480 | CA260-277 220-277 | CA340-277 220-277 |
| AC Power (W) | 340-348 | | 260-269 | |
| AC Current 277V (A) | 1.25 | | 1.0 | |
| AC Current 480V (A) | 0.72 | | 0.6 | |

Spectrum



CAT 3A Ratios



Why You Should Use JumpLights Catalyst

🌱 Industry-Leading Light Output

Delivers up to 835 μmol/s for maximum under-canopy lighting.

Optimized for Single and Double Row setups, available in 260W and 340W versions.

Broad white spectrum with 35% red to prevent photo bleaching.

High-efficiency, patent-pending LED design converts power into light effectively.

🌱 Easy to Install & Maintain

Mounts to trellis bars and slides for easy access—no need to remove during turnovers.

Durable enough for permanent placement, with removable individual lights.

Transparent polycarbonate lens stays clean.

🌱 Best-in-Class Reliability

7' length ensures uniform lighting for an 8' grow table, reducing connection failures.

Advanced thermal design extends LED lifespan.

Waterproof IP67 connectors are protected from spray.

Assembled and quality-tested in the USA, with responsive US-based support.