

# 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

IP67 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

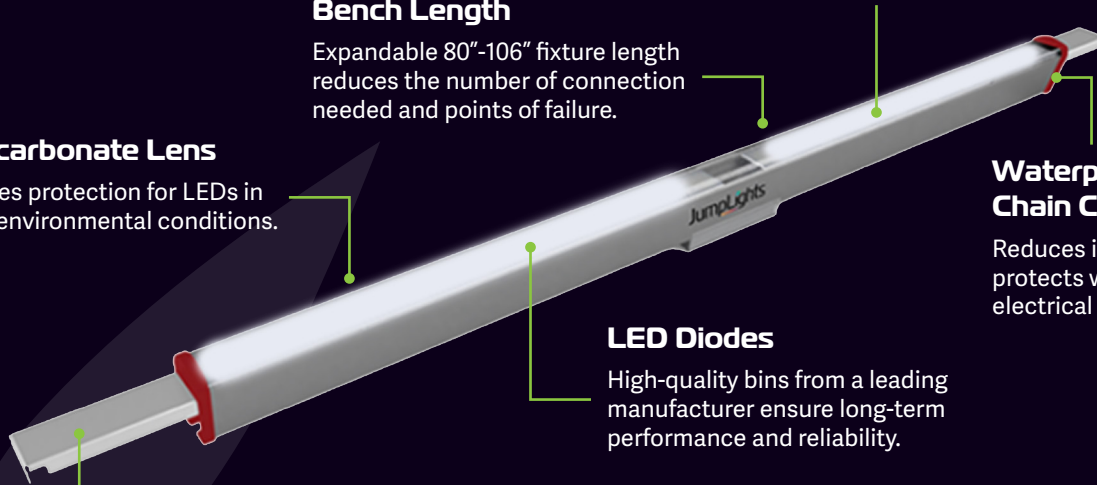
Reduces installation cost and protects workers from risk of electrical accidents.

### LED Diodes

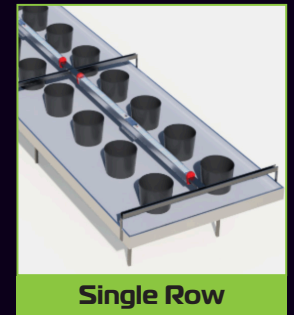
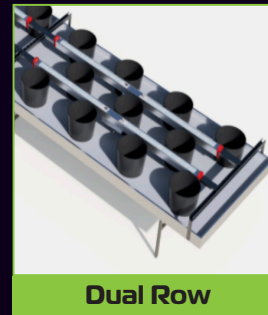
High-quality bins from a leading manufacturer ensure long-term performance and reliability.

### Extendable Mounting Caps

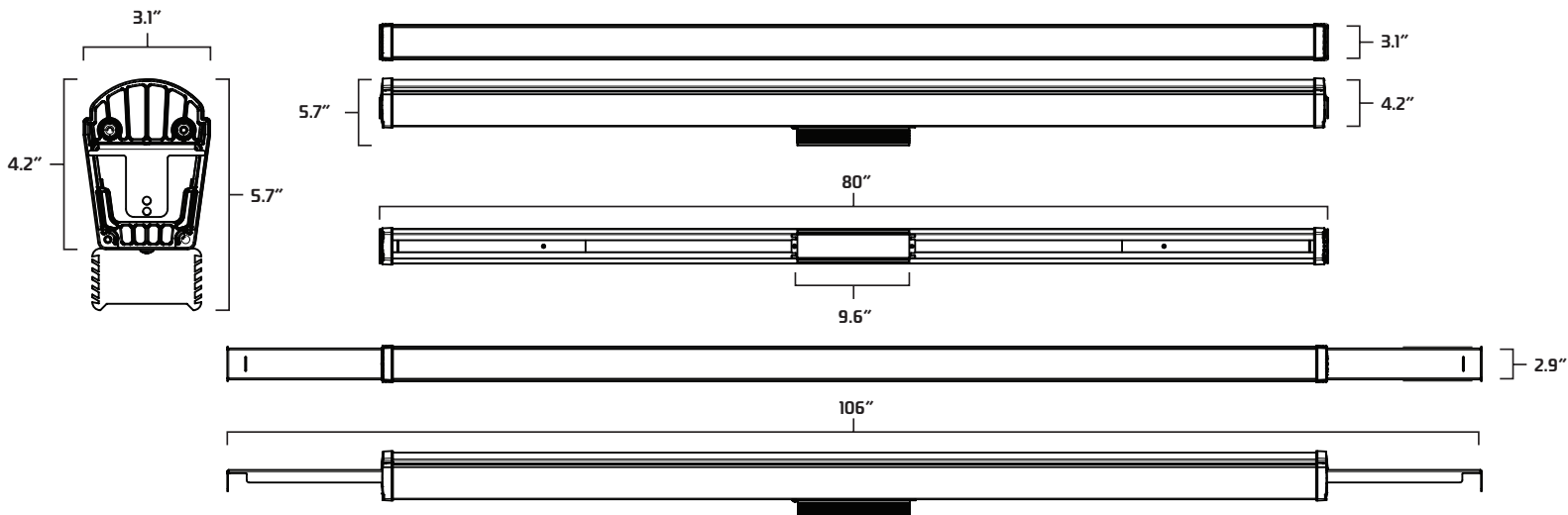
Designed to seamlessly integrate into existing bench and racking systems.



## Configurations

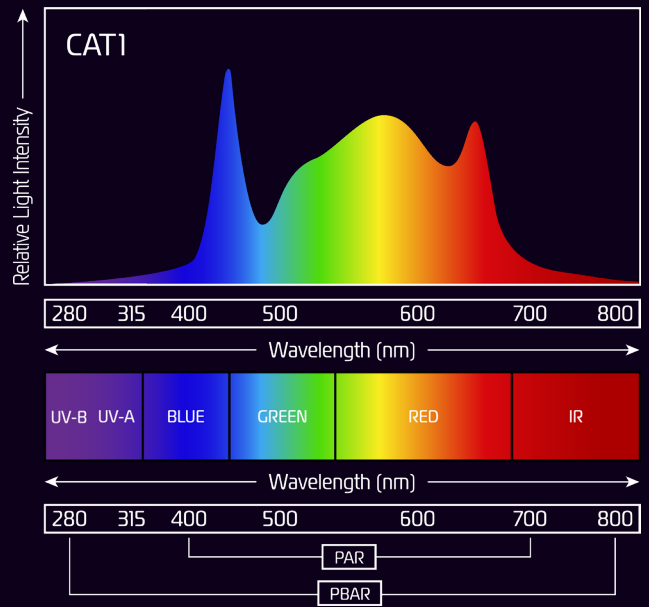


## Catalyst Dimensions

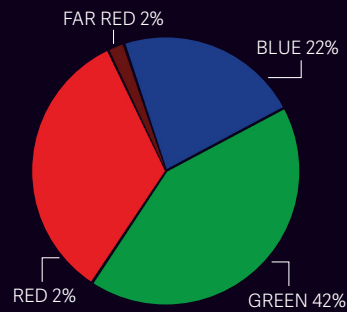


Catalyst Specifications				
	Catalyst: 340 Models: CA340-277 & CA340-480		Catalyst: 260 Models: CA260-277 & CA260-480	
PPF: (μmol/s)	835		660	
Efficacy: (μmol/J)	2.4		2.5	
Spectrum	Broad Spectrum — 35% Red			
Dimming	0-10 VDC, Dim to Off, wired with LLT M12 connector			
Controlled Environment	Indoor 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.