

BudKicker®

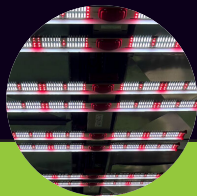
Over Canopy Grow Light

The BudKicker® is a high-intensity over-canopy LED grow light engineered for commercial flowering rooms. Designed to outperform legacy HPS systems and traditional LEDs, BudKicker® delivers more usable light, optimized spectrums, and greater yield efficiency per square foot. Its unique multi-angle lensing and far-red integration optimize plant response and penetration.



More Grams Per Square Foot

More flower production with higher-quality buds.



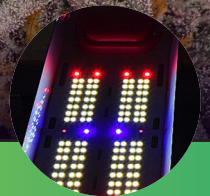
Easy HPS Swap

Drop 15% in power use and gain 15% more light output.



Four Available Power Levels

Available in 680W, 750W, 785W, and 850W.



Two Available Spectrums

White (W) for weight and New Blue (NB) to limit stretch.

Key Benefits

✦ Exceptional Efficacy

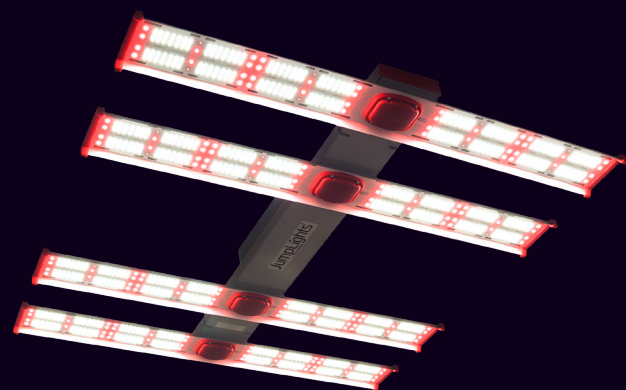
Up to 2.8 $\mu\text{mol}/\text{J}$ across full spectrum, including Far-Red.

✦ Retrofitting Made Easy

Swap into single- or multi-tier flower rooms seamlessly.

✦ High Light Output

Up to 2,274 $\mu\text{mol}/\text{s}$ —significantly more than typical LEDs.



✦ Stretch Management

New Blue spectrum minimizes plant stretch in transition.

✦ Long-Term Reliability

Built to withstand indoor cultivation environments with minimal maintenance.

✦ Consistent Canopy Coverage

Unique geometry ensures multi-angle light distribution for even canopy penetration—especially critical in dense flower rooms.

✦ Better Flower Quality

Far-Red spectrum enhances photosynthetic synergy (Emerson Effect) for more resin, aroma, and weight.

Key Features

✦ Far-Red Integration

Far-Red enhances the Emerson effect for better photosynthetic synergy.

✦ Multi-Angle Light Distribution

Unique geometry maximizes canopy penetration, even at closer distances.

✦ Dimming Options

0-10V dimmable (LLT M12 connector) for precise control.

✦ Certified & Reliable

UL 8800 Certified, wet-location rated, DLC listed on select models.



Key Attributes

Engineered in the USA

Designed, assembled, and tested in the USA for top-quality and service

Geometric Design

Increases light penetration into the canopy by shining light at a multitude of angles

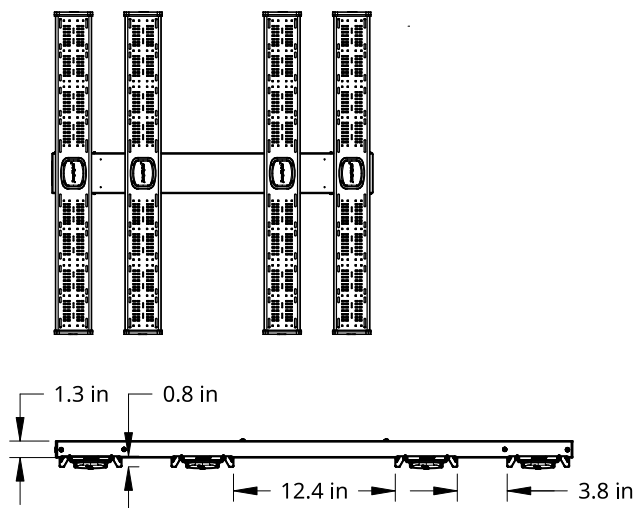
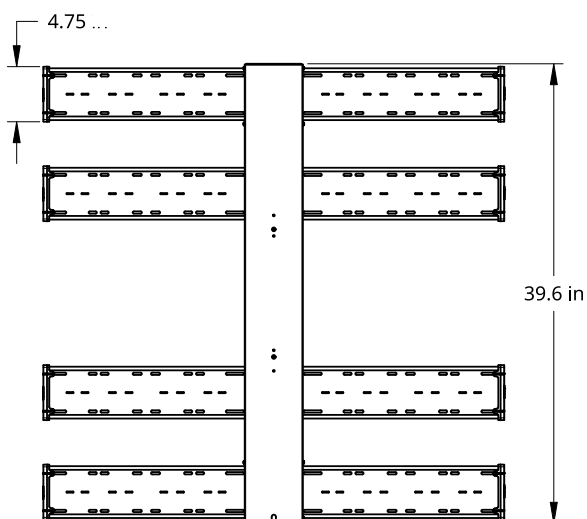
High-Quality LED Diodes

Produces more light output compared to HPS lights for the same power

Dimmable Lights

This high-intensity light comes in four dimmable versions: 680W, 750W, 785W, or 850W.

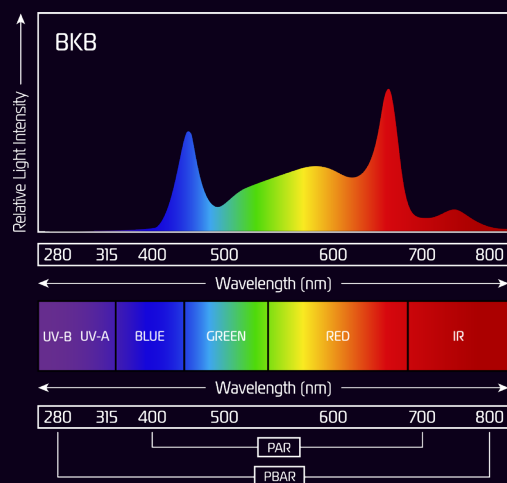
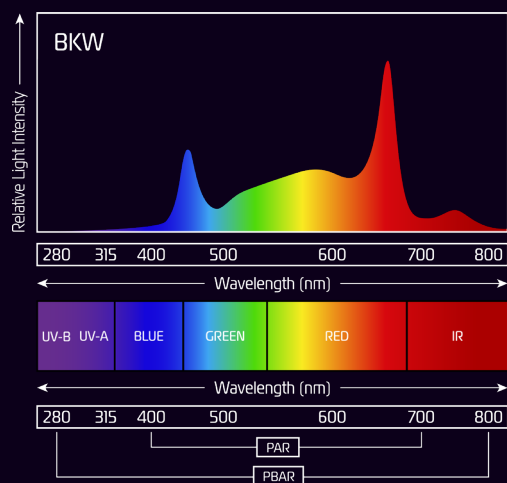
BudKicker® Dimensions



Specifications

	BudKicker® 680	BudKicker® 750	BudKicker® 785	BudKicker® 850
Dimensions	39.75"W x 39.75"L x 4"H	39.75"W x 39.75"L x 4"H	39.75"W x 39.75"L x 4"H	39.75"W x 39.75"L x 4"H
Weight	15.2 lbs	15.2 lbs	15.2 lbs	15.2 lbs
Input Voltage	220 – 277 VAC	220 – 277 VAC	220 – 277 VAC	220 – 277 VAC
Dimming	0-10 V	0-10 V	0-10 V	0-10 V
Certifications	UL 8800 Wet Location Certified, Designed for DLC Certification ¹	UL 8800 Wet Location Certified, DLC Certified	UL 8800 Wet Location Certified, Designed for DLC Certification ¹	UL 8800 Wet Location Certified, DLC Certified
Warranty	5 Years, Parts & Labor	5 Years, Parts & Labor	5 Years, Parts & Labor	5 Years, Parts & Labor
Max Ambient Temperature	40° C	40° C	40° C	40° C
White Spectrum²				
Total Flux – PBAR 350-800nm (μmols/s) Includes Far Red	1,895	2,129	2,188	2,274
Flux – PPF 400-700 nm (μmol/s)	1,783	2,003	2,058	2,140
Efficacy – Total (μmol/J) Includes Far Red	2.8	2.8	2.8	2.7
Efficacy — PPF (μmol/J)	2.7	2.6	2.6	2.6
Power — Full (Watts)	670	766	785	838
New Blue Spectrum²				
Total Flux – PBAR 350-800nm (μmols/s) Includes Far Red	1,892	2,126	2,180	2,266
Flux – PPF 400-700 nm (μmol/s)	1,780	2,000	2,051	2,132
Efficacy – Total (μmol/J) Includes Far Red	2.8	2.7	2.7	2.7
Efficacy — PPF (μmol/J)	2.6	2.6	2.6	2.5
Power — Full (Watts)	680	777	795	850

Spectrums



Ratios

