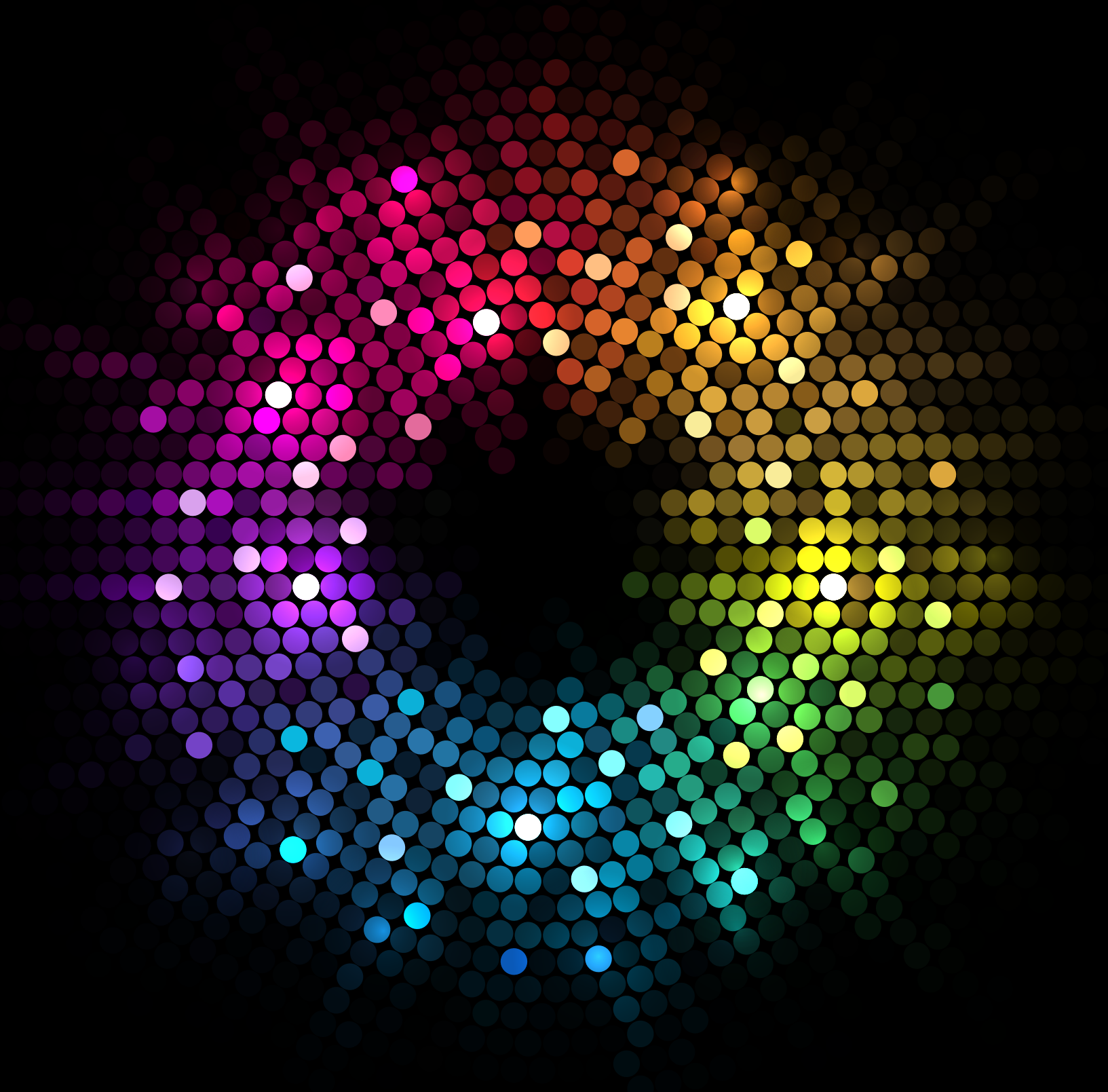


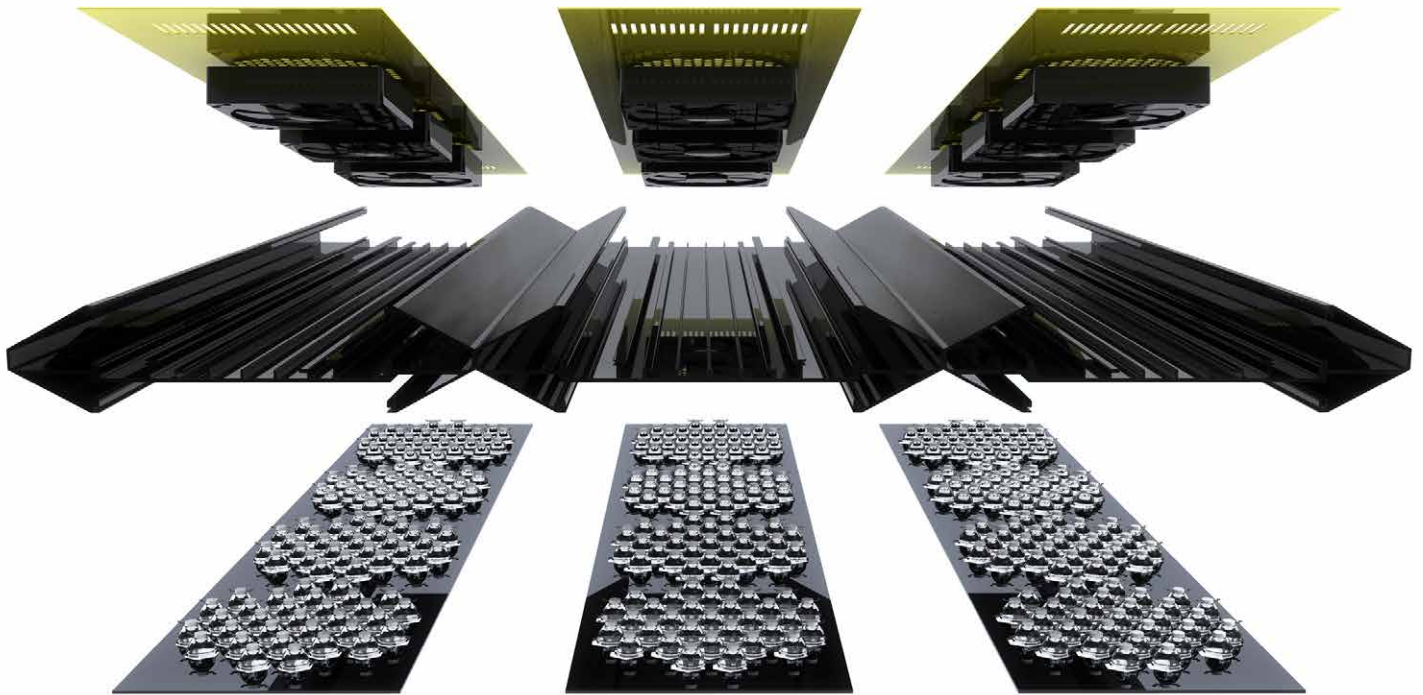
 **MICMOL**





## **Bloom**Bee X Series

We have redesigned BloomBee X from the inside and outside, using the totally new design, the X-Bar frame as the basic instructure, and the inside wiring and connection have also re-built as a new structure. All the changes make the stability and heat dissipation of the light's body even better. The newest spectrum layout and the controllable Bloom and Veg switches which are good for more professional plant growth and efficient growth.



## Amazing X-Bar Frame

The latest BloomBee X features an advanced cabin structure design. Each layer is assembled in a pullable manner, which allows the entire lamp to have excellent heat dissipation and a convenient assembly process. The simple assembly design makes it easy to clean and maintain the lighting's inner-side. The excellent X-Bar frame can better extend the integrity of the lamp body. The unique shape design makes the BloomBee X look as cool as a spaceship.

The BloomBee X is very superior in both cooling and lighting applications. This is a terrific structural design with unparalleled performance and superior spectrum. The all-new designed BloomBee X is the best grow lighting for your plant growth.

## **BloomBee X LED Grow Lighting Features.**

The 10watt 56mil big chip high power LED of the brands from Epistar & Bridgelux.

High PAR value, great for the plants growing.

Energy saving and powerful which is better for protect our planet.

Two switches, control the veg & bloom.

UL High quality fans on back run against heat.

The unibody cooling design easy and fast solve the heat for the whole light.

Full spectrums with the Secondary Lens which is over 2 times power than the HPS.

Made by scientific and orderly, to be sure all parts with no mistake. almost no need maintain.

Hanging kits included, easy installing your lights.

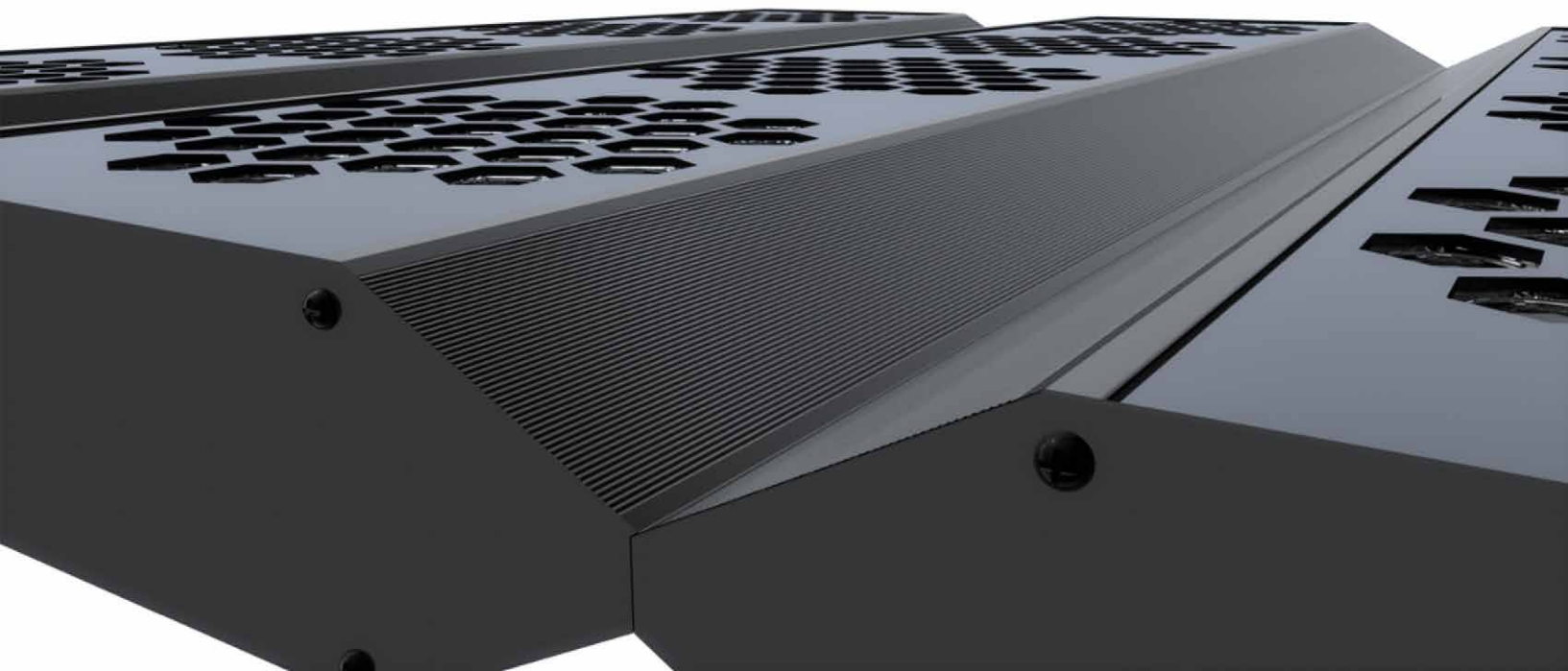
Over 50,000 hours lifespan.

## **Two switches - Three ways control.**

Veg: To provide the excellent vegetative for growth period.

Bloom: To expand flowering in the blooming period.

Veg & Bloom: The dual light spectrums to provide super vegetative growth and the flowering stage.





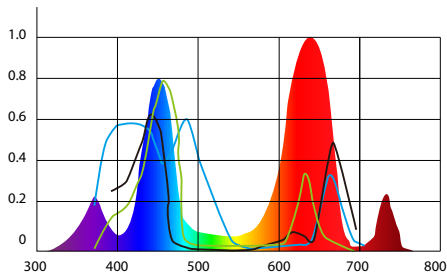
## BloomBee X LED Grow Lighting Design

We have redesigned BloomBee from the inside and outside, using the totally new design, the X-Bar frame as the basic instructure, and the inside wiring and connection have also re-built as a new structure. All the changes make the stability and heat dissipation of the light's body even better. The newest spectrum layout and the controllable Bloom and Veg switches which are good for more professional plant growth and efficient growth.

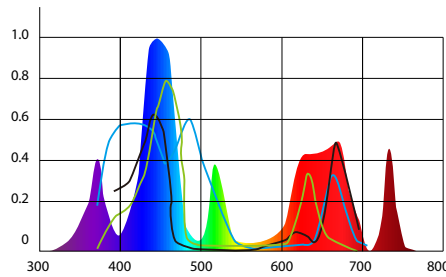
## BloomBee X Performance - LED Spectrum

The BloomBee X is finely tuned full spectrum, and high dispersion secondary lenses gives your plants the most efficient spectrum on the market today. The BloomBee X redesigned the space distance, it's saving the power energy, which gives you the ability to deliver your plants the desired level brightness for a happy and healthy growth.

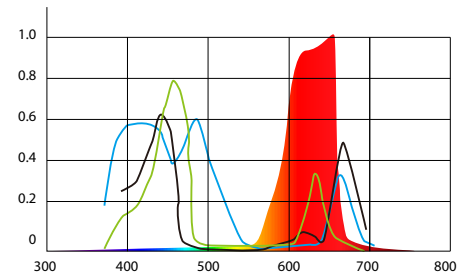
# Full HD Specturm - 14 Band



Full Spectrum - 12 Band



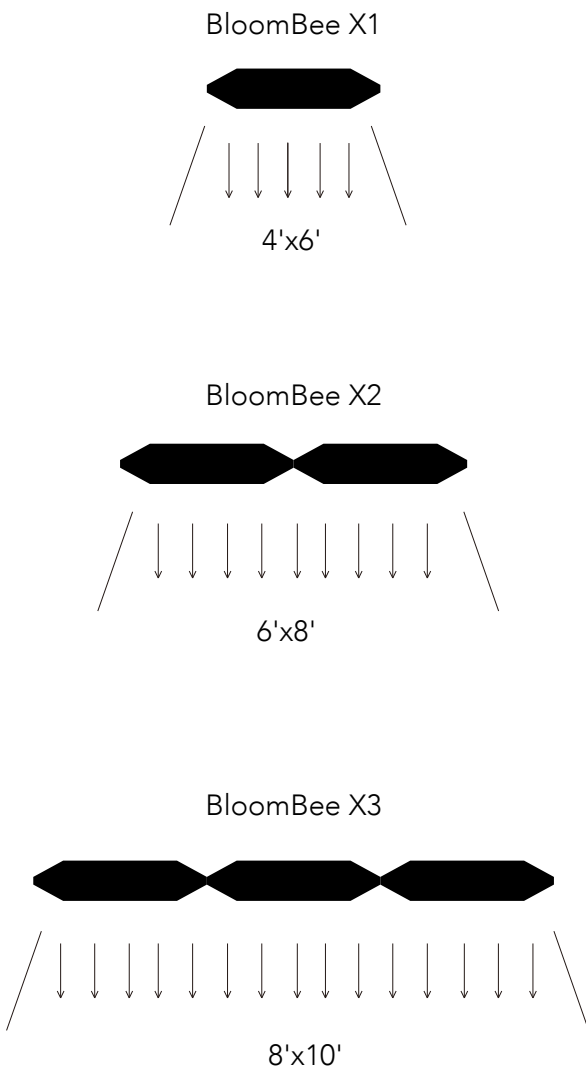
Super Veg



Unmatched Bloom

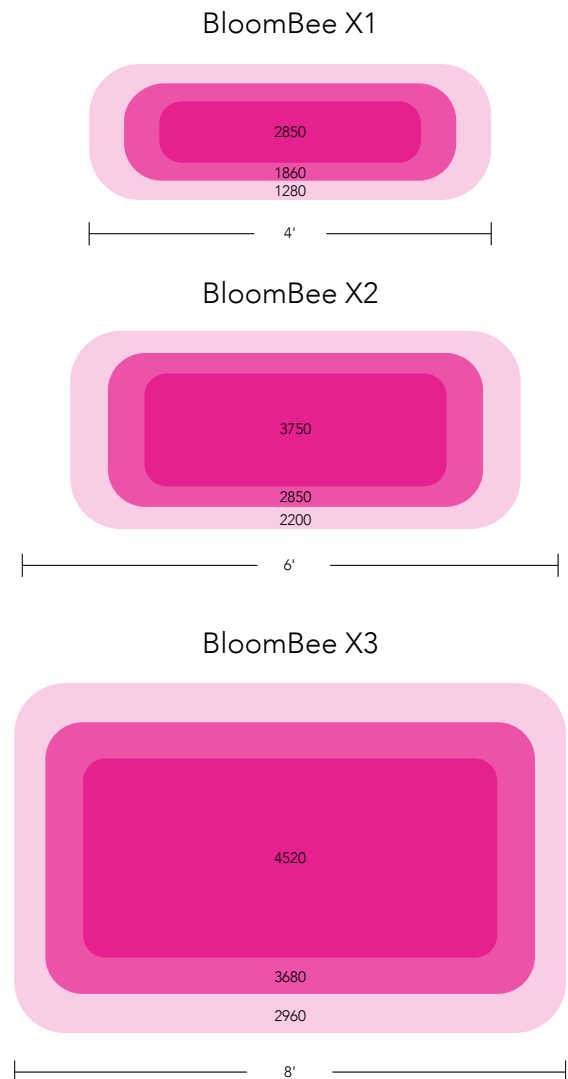
## Lighting Coverage

BloomBee X 25" From Light Source



## Lighting Par Value

BloomBee X 25" From Light Source





## Lighting Compare



### BloomBee X1

Item No.: BBX1-1240W  
 Actual Power: 250W  
 Bloom Power: 115W  
 Veg Power: 135W  
 HID Equivalent: 1400W  
 LEDs: 10W (56mil Big Chip)  
 Total Diodes: 124 \* 10W  
 Modules: 4  
 Diodes per Module: 31  
 Secondary Lens: 90°  
 Spectrum: 14 Band  
 Coverage: 4' \* 6'  
 Weight: 4 KG  
 Dimensions: 800\*250\*65mm  
 Packing: 900\*320\*110mm  
 Input Voltage: AC 100-240V



### BloomBee X2

Item No.: BBX2-2480W  
 Actual Power: 500W  
 Bloom Power: 230W  
 Veg Power: 280W  
 HID Equivalent: 2800W  
 LEDs: 10W (56mil Big Chip)  
 Total Diodes: 248 \* 10W  
 Modules: 8  
 Diodes per Module: 31  
 Secondary Lens: 90°  
 Spectrum: 14 Band  
 Coverage: 6' \* 8'  
 Weight: 8 KG  
 Dimensions: 800\*500\*65mm  
 Packing: 900\*570\*110mm  
 Input Voltage: AC 100-240V



### BloomBee X3

Item No.: BBX3-3720W  
 Actual Power: 750W  
 Bloom Power: 345W  
 Veg Power: 405W  
 HID Equivalent: 4200W  
 LEDs: 10W (56mil Big Chip)  
 Total Diodes: 372 \* 10W  
 Modules: 12  
 Diodes per Module: 31  
 Secondary Lens: 90°  
 Spectrum: 14 Band  
 Coverage: 8' \* 10'  
 Weight: 12 KG  
 Dimensions: 800\*760\*65mm  
 Packing: 900\*830\*110mm  
 Input Voltage: AC 100-240V



## **BloomRay** Series

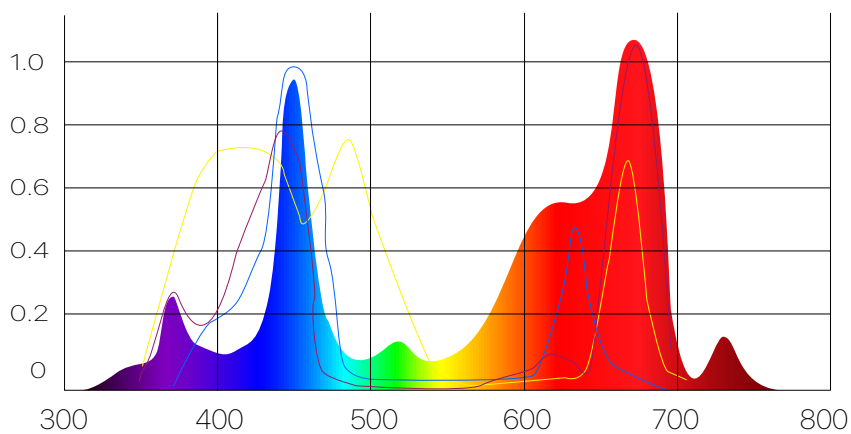
BloomRay is good design for the greenhouse, commercial rack and warehouse grow operations. The advanced heat solution which is keep the lights safe and high efficient for the lighting work. The connectable rack system makes your greenhouse's layout easily installing and maintain, architecture simply and beauty.





## Sky Bracket

The Sky Bracket is made by an all-aluminum profile. Simple and flexible design allows for arbitrary alignment between lights. The slidable hanging rail makes it easier for your BloomRay to adjust position. The unit can hang up to 10 BloomRay and build up to 6000W illumination system, allowing you to concentrate on the lighting needs. Equipped with a 4-meter long steel cable and enhanced double-buckle firmware to ensure height adjustment and safety.



## Amazing Full HD Specturm

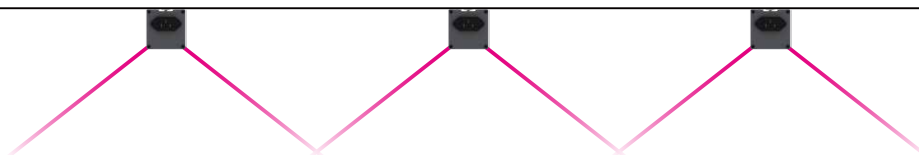
The most powerful LED Grow lights. Featuring an all new, perfect-ed Full HD spectral output and the highest PAR per watt of any other LED grow light ever created. The BloomRay is revolutionary series of LED grow lights will produce the biggest and best yields, while consuming approximately half the electricity of its HID counterpart and producing virtually no heat. It takes the bilateral heat sink fin design, which is good for the air circulating flow and speed up the heat removal. Your BloomRay will cultivate record breaking yields, both in quantity and quality, while running quieter, cooler, and more efficiently than any other grow light.

## Suggested layouts for rack style growing setups using BloomRay 48" Lights.

### 16" ON CENTER @ 15" FROM CANOPY

SEEDLINGS, CLONES, TISSUE CULTURES

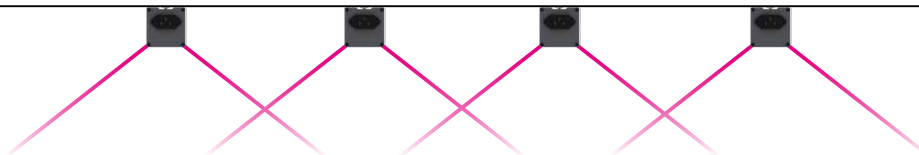
Avg. PPFD (4'6" Area)	160
165 PPFD	0.5 Moles / hr
DLI @ 12 hrs.	6 Moles / Day
DLI @ 18 hrs.	9 Moles / Day
Wattage	350W / 24 SF Area



### 12" ON CENTER @ 12" FROM CANOPY

MICRO GREENS, CLONES, RETAIL SPROUTING

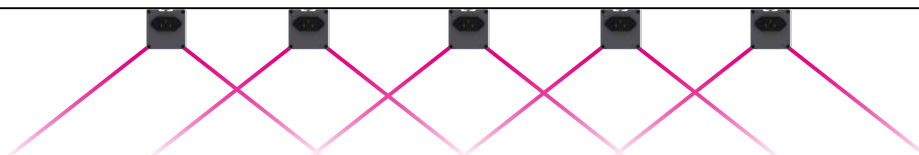
Avg. PPFD (4'6" Area)	220
230 PPFD	0.75 Moles / hr
DLI @ 12 hrs.	9 Moles / Day
DLI @ 18 hrs.	14 Moles / Day
Wattage	450W / 24 SF Area



### 8" ON CENTER @ 9" FROM CANOPY

LETTUCE, BASIL, HERBS

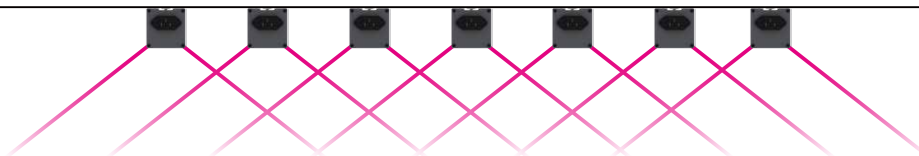
Avg. PPFD (4'6" Area)	350
365 PPFD	1.0 Moles / hr
DLI @ 12 hrs.	14 Moles / Day
DLI @ 18 hrs.	20 Moles / Day
Wattage	650W / 24 SF Area



### 5" ON CENTER @ 6" FROM CANOPY

CANNABIS (VEGETATIVE, MOTHERS), STRAWBERRIES

Avg. PPFD (4'6" Area)	500
510 PPFD	1.25 Moles / hr
DLI @ 12 hrs.	20 Moles / Day
DLI @ 18 hrs.	30 Moles / Day
Wattage	750W / 24 SF Area



### BloomRay 24"

Item No.: BR24-300W

Power: 300W

Actual Power: 60W

LEDs: 30PCS High Intensity 10W Bridgelux / Epistar LEDs

HID Equivalent: 120W

Secondary Lens: 90°

Weight: 2.0kg (2.2pound)

Size: 600X65X65mm (23.6"x2.6"x2.6")

Shipping Weight: 2.5kg (4.4pound)

Packing: 750x100x100mm (12"x7.0"x2.8")

Universal Input Range: AC100-240V, 2.0A

BloomRay 24" 1 PC : Coverage: 3.0' x 3.0'



### BloomRay 48"

Item No.: BR48-600W

Power: 600W

Actual Power: 120W

LEDs: 60PCS High Intensity 10W Bridgelux / Epistar LEDs

HID Equivalent: 240W

Secondary Lens: 90°

Weight: 3.0kg (2.2pound)

Size: 1200X65X65mm (47.2"x2.6"x2.6")

Shipping Weight: 2.5kg (4.4pound)

Packing: 1350x100x100mm (12"x7.0"x2.8")

Universal Input Range: AC100-240V, 2.0A

BloomRay 48" 1 PC : Coverage: 3.0' x 5.0'

