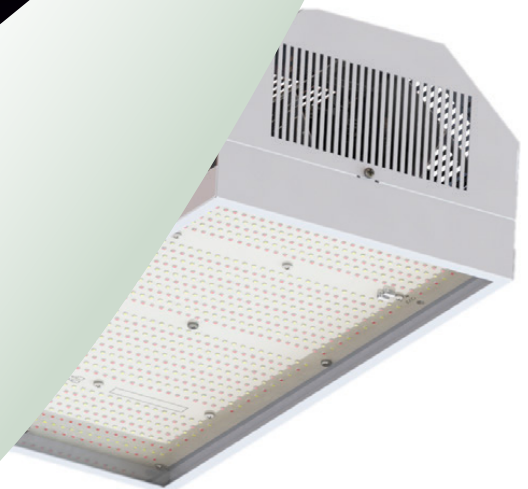




# PRODUCT GUIDE

[lunacultivation.com](http://lunacultivation.com)

[daniel@lunacultivation.com](mailto:daniel@lunacultivation.com)



## SPECIFICATIONS

### Light Source

LED

### Efficacy (100W)

>2.4  $\mu\text{mol}/\text{J}$

### PPF (660W)

1200  $\mu\text{mol}$

### Input Power

440W~660W MAX

### Input Voltage / Current (90W)

120 @ 5.5A | 240 @ 2.8A | 277 @ 2.5A

### L/H/W/Weight

33 / 2.5 / 36 / 22lbs

### Mounting Height

>12 Inches Above Canopy

### Operating Temperature

OF ~ 90F

### Thermal Management

PASSIVE CONVECTION

### Dimming

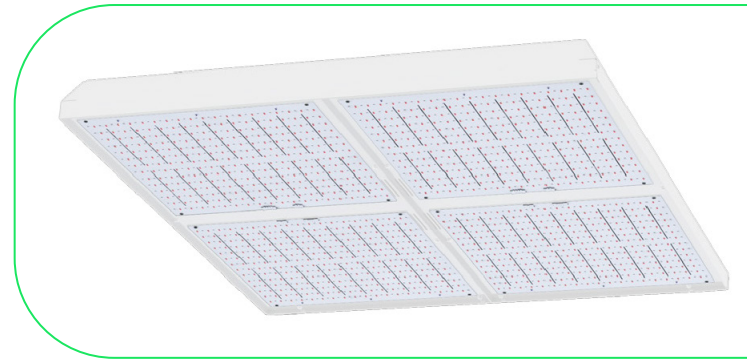
0-10V / PWM / MANUAL PRESET

### Lifetime per TM21 L70 / L90

80K hrs / 35K hrs

### Warranty

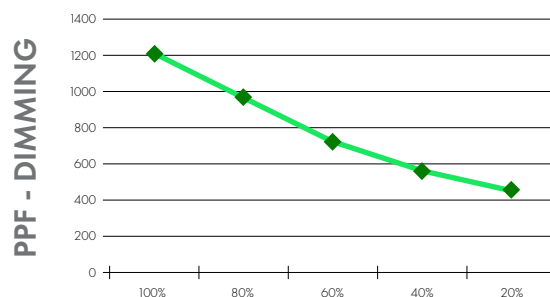
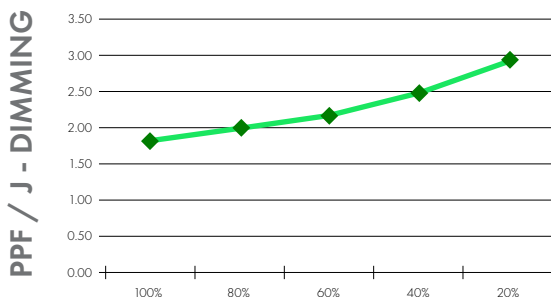
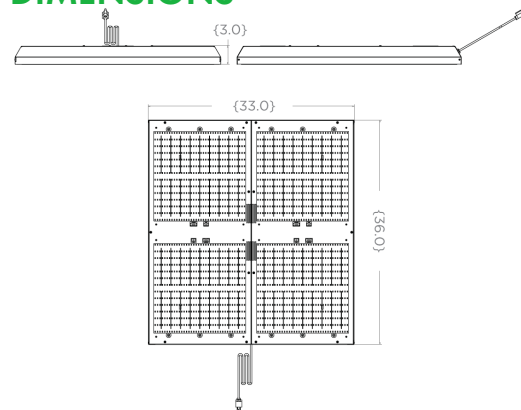
5 Year Standard Warranty



## FEATURES

- » Industry leading performance
- » Industry standard footprint
- » Fully customizable to suit individual growing styles
- » Natural white light
- » 2700-5000 tunable spectra/red-blue-UV mix
- » 385nm/660nm kicker
- » White Powder coated aluminum housing
- » UL1598D horticultural approval
- » Made in the USA patent #9820447

## DIMENSIONS

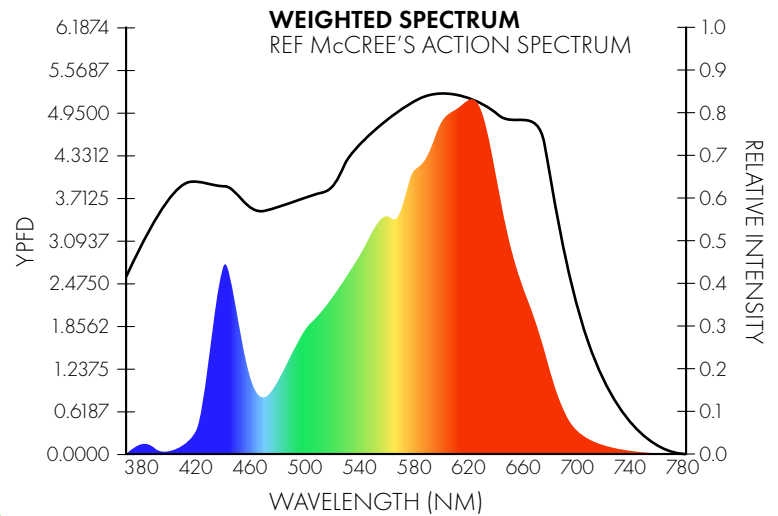
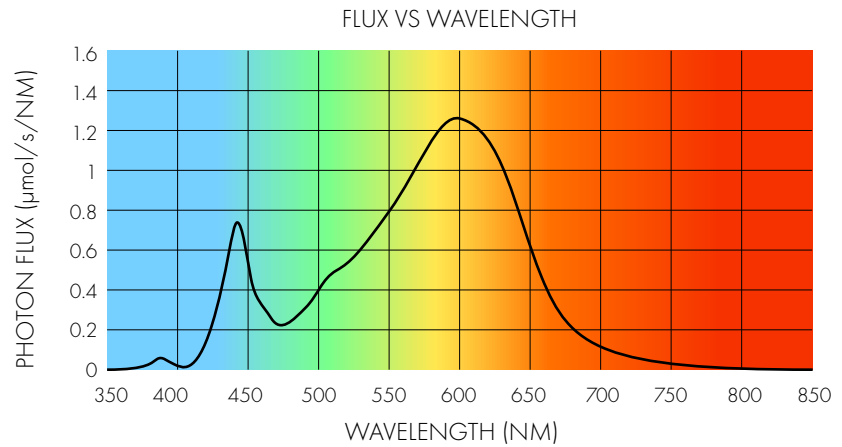


# BLOOM LIGHT



	WAVELENGTH RANGE (NM)	PHOTON FLUX (μmol/SEC)
<b>ORANGE</b>	590 - 600	78.971500
	600 - 610	81.174454
	610 - 620	79.316997
	620 - 630	73.759685
	630 - 640	65.522698
<b>RED</b>	640 - 650	55.820996
	650 - 660	45.954216
	660 - 670	36.687032
	670 - 680	28.628667
	680 - 690	21.974312
<b>INFARED</b>	690 - 700	16.599117
	700 - 710	12.444757
	710 - 720	9.283270
	720 - 730	6.910731
	730 - 740	5.119883
	740 - 750	3.792827
	750 - 760	2.826129
	760 - 770	2.113884
	770 - 780	1.582914
	780 - 790	1.191579
	790 - 800	0.904732

	WAVELENGTH RANGE (NM)	PHOTON FLUX (μmol/SEC)
<b>UVA</b>	350 - 360	0.309428
	360 - 370	0.349855
	370 - 380	0.855815
	380 - 390	2.767791
	390 - 400	2.073109
<b>VIOLET</b>	400 - 410	0.847787
	410 - 420	1.436211
	420 - 430	4.914774
<b>BLUE</b>	430 - 440	14.775535
	440 - 450	36.382552
	450 - 460	39.087795
	460 - 470	21.42443
	470 - 480	14.980032
<b>CYAN</b>	480 - 490	16.940827
	490 - 500	23.280355
	500 - 510	29.828746
<b>GREEN</b>	510 - 520	34.377020
	520 - 530	37.940789
	530 - 540	41.832437
<b>YELLOW</b>	540 - 550	46.578273
	550 - 560	52.221848
	560 - 570	58.830638
	570 - 580	66.308024
	580 - 590	73.497176



Family	Power	Spectrum	Input Voltage	Cord
ZB	660 = 660W (standard) 440 = 440W	BX= 27/40 (no kicker) BU= 27/40 w/UV kicker UX= 30/50 (no kicker) UU= 30/50 w/UV kicker UR= 30/50 w/Red kicker	ST = 90-305V (standard) HV = 180-528V	# = Cord Length (10' Standard, 15' option) #W = Whip (no plug) #N5 = 5-15P #N6 = 6-15P (standard) #L7 = L7-15P