

Date:	Approved:
Type:	
Fixture:	
Project:	

## zBLOOM

### STANDARD



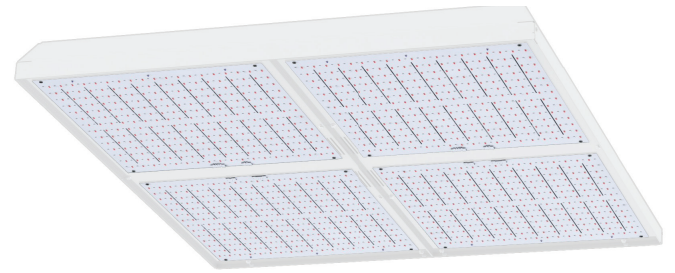
### FEATURES

- Industry Leading Performance
- Industry Standard Footprint
- Fully Customizable to Suit Individual Growing Styles
- Natural White Light
- Patented Tunable Spectrum (USPN 9,820,447; 10,159,198; CAPN CA2994308C)
- Optional 385nm/660nm Kicker
- Powder Coated Aluminum Housing
- UL8800 Horticultural Approval
- Made in the USA

### WARRANTY & LISTINGS

- 5-year standard warranty

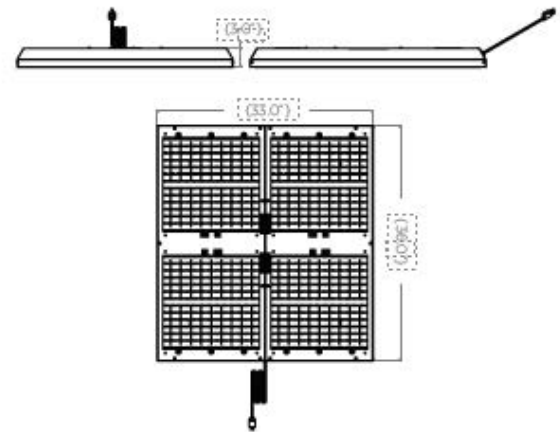
\* Contact factory for other color temperatures and lumen packages.  
 \*\* L<sub>70</sub> hours are IES TM-21-11 calculated hours.



### SPECIFICATIONS

<b>Light Source</b> LED	<b>L/H/W   Weight</b> 33" / 2.5" / 36"   22lbs
<b>Spectra</b> Multi-White Daylight Analog	<b>Mounting Height</b> 18 Inches Above Canopy
<b>Spectra Efficacy (660W)</b> 2.34 μmol/J	<b>Operating Temperature</b> 0°C - 40°C
<b>PPF (660W)</b> 1388 μmol	<b>Thermal Management</b> Passive Connection
<b>Input Power</b> 660W MAX	<b>Dimming</b> 0-10V / PWM / Dim-to-Off
<b>Input Voltage / Current (660W)</b> 120 @ 5.5A   240 @ 2.8A   277 @ 2.4A	<b>Lifetime per TM21 L70 / L90</b> 80K hrs / 35K hrs

### DIMENSIONS

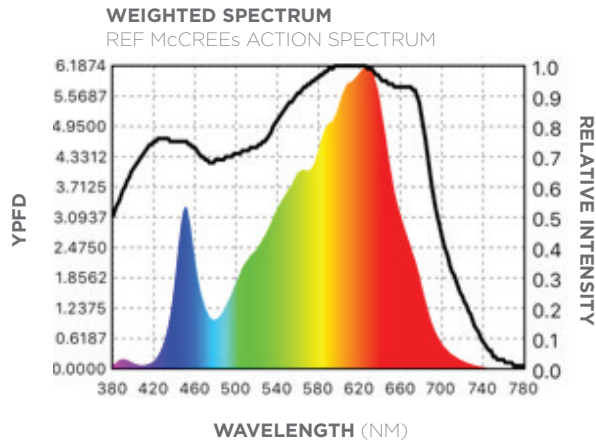
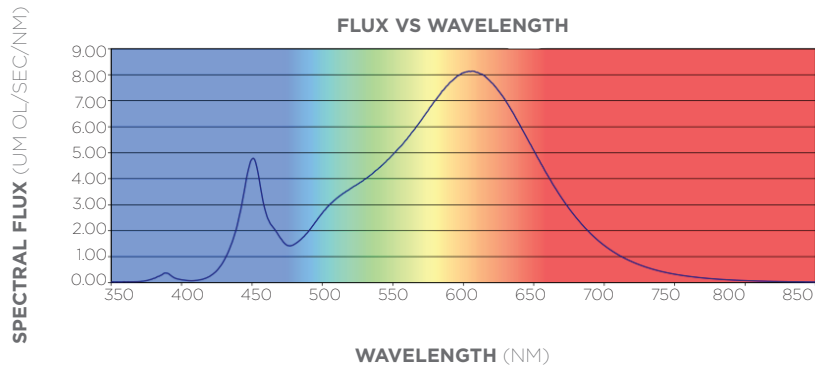


Length	Height	Width	Weight
33"	2.5"	36"	22 lbs.

### ORDERING INFORMATION

Family	Power	Spectrum	Input Voltage	Cord
ZB	660=660W	BX= Bloom with no Kicker BU= Bloom with UV Kicker BR= Bloom with Red Kicker UX= Universal with no Kicker UU= Universal with UV Kicker UR= Universal with Red Kicker	ST= 90~305VAC (standard) HV= 180~528VAC	#= Length (10' standard) #W= Whip (no plug) #N5= 5-15P #N6= 6-15P #I7= L7-15P

**ELECTRICAL DATA**



	WAVELENGTH RANGE (NM)	PHOTON FLUX (UMOL/SEC)	WAVELENGTH RANGE (NM)	PHOTON FLUX (UMOL/SEC)
UVA	380 - 390	3.01678	590 - 600	92.38846
	390 - 400	1.942521	600 - 610	94.54355
	400 - 410	0.612087	610 - 620	92.10387
VIOLET	410 - 420	0.949889	620 - 630	85.1003
	420 - 430	3.460108	630 - 640	75.21533
	430 - 440	12.0363	640 - 650	63.24295
BLUE	440 - 450	38.19757	650 - 660	51.55666
	450 - 460	46.98837	660 - 670	40.30801
	460 - 470	28.05731	670 - 680	30.99211
CYAN	470 - 480	18.29606	680 - 690	23.94367
	480 - 490	18.3791	690 - 700	18.00129
	490 - 500	25.25107	700 - 710	13.42406
GREEN	500 - 510	34.62888	710 - 720	9.884298
	510 - 520	42.18497	720 - 730	7.291906
	520 - 530	47.46799	730 - 740	5.425936
YELLOW	530 - 540	51.72017	740 - 750	4.064828
	540 - 550	56.16792	750 - 760	3.045051
	550 - 560	61.78926	760 - 770	2.32743
	560 - 570	69.103	770 - 780	1.872185
	570 - 580	77.60798		
	580 - 590	85.98498		
ORANGE				
RED				
INFRARED				