

Project:	
Type:	
Catalog #:	

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

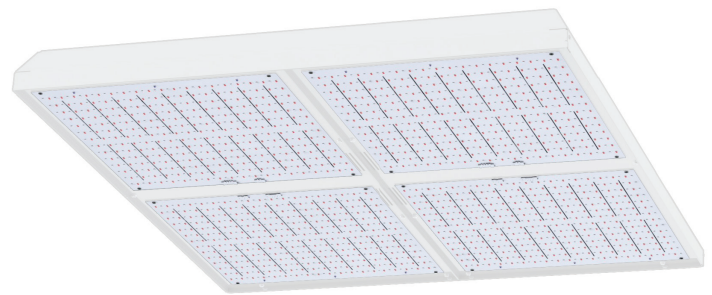
WARRANTY & LISTINGS

- 5-year standard warranty

* Contact factory for other color temperatures and lumen packages.
** L₇₀ hours are IES TM-21-11 calculated hours.

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



SPECIFICATIONS

Light Source

LED

Spectra

Multi-White Daylight Analog

Spectra Efficacy (660W)

2.34 µmol/J

PPF (660W)

1388 µmol

Input Power

660W MAX

Input Voltage / Current (660W)

120 @ 5.5A | 240 @ 2.8A | 277 @ 2.4A

L/H/W | Weight

33" / 2.5" / 36" | 22lbs

Mounting Height

18 Inches Above Canopy

Operating Temperature

0°C - 40°C

Thermal Management

Passive Connection

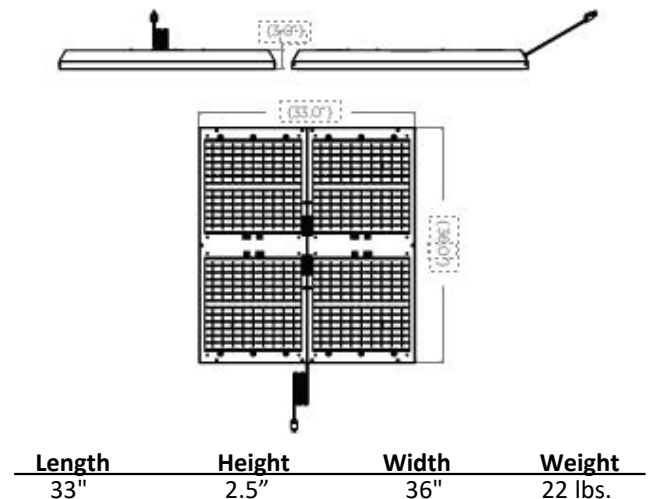
Dimming

0-10V / PWM / Dim-to-Off

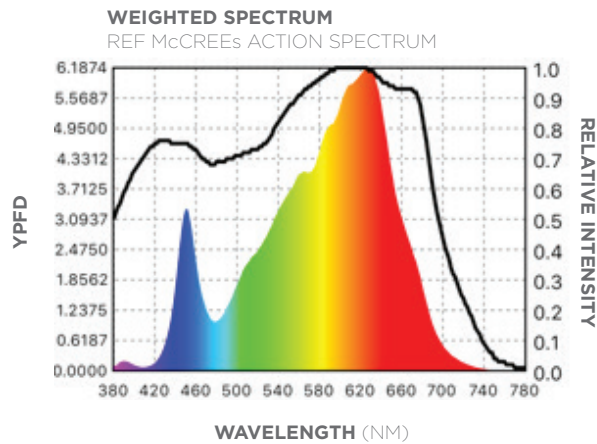
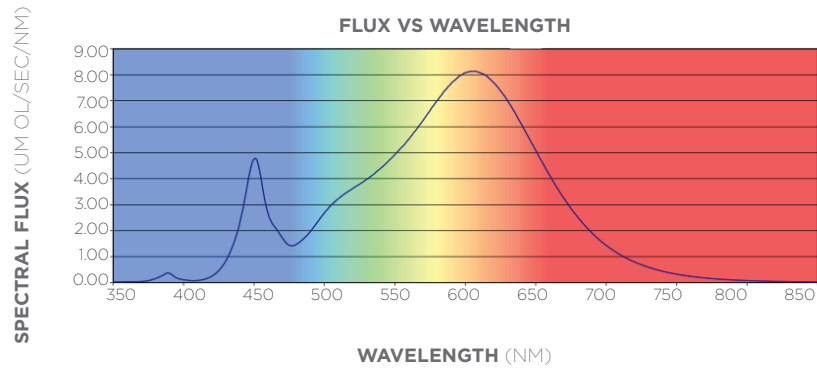
Lifetime per TM21 L70 / L90

80K hrs / 35K hrs

DIMENSIONS



ELECTRICAL DATA



	WAVELENGTH RANGE (NM)	PHOTON FLUX (UMOL/SEC)
UVA	380 - 390	3.01678
	390 - 400	1.942521
	400 - 410	0.612087
VIOLET	410 - 420	0.949889
	420 - 430	3.460108
	430 - 440	12.0363
BLUE	440 - 450	38.19757
	450 - 460	46.98837
	460 - 470	28.05731
CYAN	470 - 480	18.29606
	480 - 490	18.3791
	490 - 500	25.25107
GREEN	500 - 510	34.62888
	510 - 520	42.18497
	520 - 530	47.46799
YELLOW	530 - 540	51.72017
	540 - 550	56.16792
	550 - 560	61.78926
	560 - 570	69.103
	570 - 580	77.60798
	580 - 590	85.98498

	WAVELENGTH RANGE (NM)	PHOTON FLUX (UMOL/SEC)
ORANGE	590 - 600	92.38846
	600 - 610	94.54355
	610 - 620	92.10387
RED	620 - 630	85.1003
	630 - 640	75.21533
	640 - 650	63.24295
INFRARED	650 - 660	51.55666
	660 - 670	40.30801
	670 - 680	30.99211
	680 - 690	23.94367
	690 - 700	18.00129
	700 - 710	13.42406
	710 - 720	9.884298
	720 - 730	7.291906
	730 - 740	5.425936
	740 - 750	4.064828
	750 - 760	3.045051
	760 - 770	2.32743
	770 - 780	1.872185