



B I O E N G I N E E R I N G

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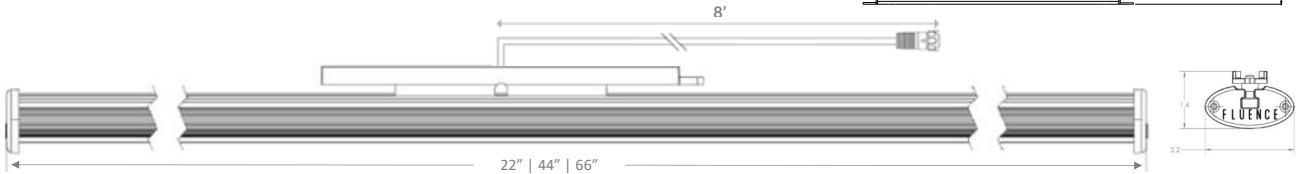
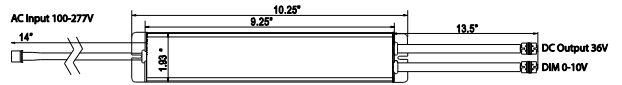


SPECIFICATIONS

	RAY22	RAY44	RAY66
Light Source	LED		
Spectrum	I   G   A   F   R   U		
PPF	60-95 μmol/s	110-190 μmol/s	160-285 μmol/s
Input Power	35-50W	70-85W	100-125W
Efficacy	1.2-2.4 μmol/J	1.2-2.5 μmol/J	1.3-2.6 μmol/J
Input Voltage	Autosensing 100-277V		
Fixture Dimensions   Weight	22" L x 2.2" W x 1.4" H   1lb 4oz 55.9cm L x 5.6cm W x 3.6cm H   0.56kg	44" L x 2.2" W x 1.4" H   2lb 3oz 111.8cm L x 5.6cm W x 3.6cm H   1kg	66" L x 2.2" W x 1.4" H   3lb 2oz 167.6cm L x 5.6cm W x 3.6cm H   1.42kg
Power Supply Dimensions   Weight	10.6" L x 1.9" W x 1.6" H   2lbs 2oz 26.9cm L x 4.8cm W x 4.1cm H   1kg		
Mounting Height	≥ 6" (15.2cm) Above Canopy		
Thermal Management	Passive		
Dimming	0-10V		
Light Distribution	120°		
Lifetime	L70: > 150,000hrs		
Power Factor	> 90%		
Certifications	cETL, UL 1598 Damp Location Rated & CE		
Warranty	3 Year Standard or 5 Year Extended Warranty		

MAX AMPERAGE BY VOLTAGE SERVICE

VOLTAGE	120V	208V	240V	277V
RAY22 AMPERAGE	0.38A	0.22A	0.19A	0.16A
RAY44 AMPERAGE	0.71A	0.41A <td 0.35A	0.31A	
RAY66 AMPERAGE	1.04A	0.60A	0.52A	0.45A



FAMILY	MODEL	SPECTRUM	INPUT VOLTAGE	AC CORD LENGTH	AC PLUG	MOUNTING							
RY	RAY	2	22"	I	PhysioSpec Indoor™	1	100-277V	06	6 ft (1.83m)	N5	NEMA 5-15P	R	Standard
		4	44"	G	PhysioSpec Greenhouse™	15	15 ft (4.57m)	N6	NEMA 6-15P	K	Suspension Kit		
		6	66"	A	AnthoSpec™			L7	NEMA L7-15P	E	Extension Kit		
				F	PfrSpec™			PT	Pigtails				
				R	PrSpec™								
			U	UVSpec™									



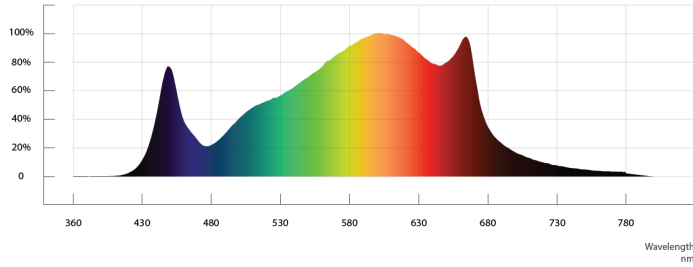


BIOENGINEERING

# Fluence Spectral Power Distribution Charts

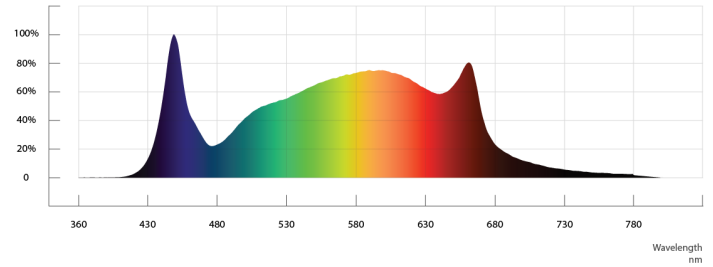
### PhysioSpec Indoor™

Measurements of Normalized Photosynthetic Photon Flux



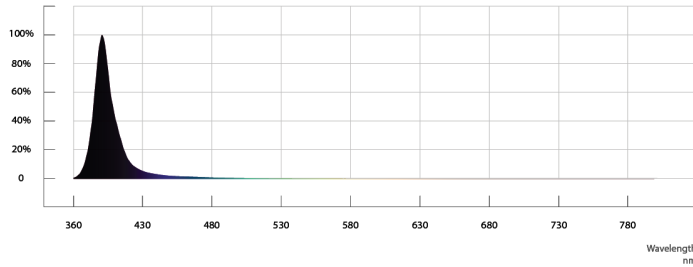
### PhysioSpec Greenhouse™

Measurements of Normalized Photosynthetic Photon Flux



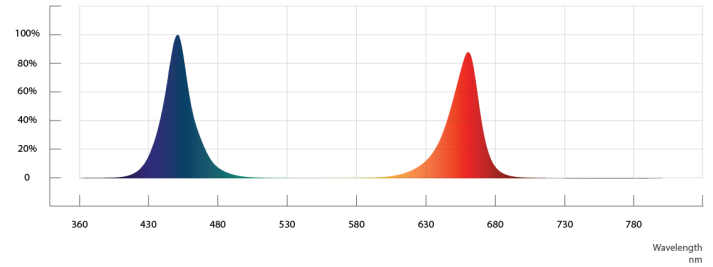
### UVSpec™

Measurements of Normalized Photosynthetic Photon Flux



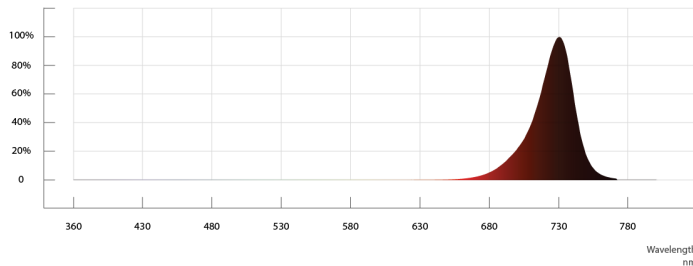
### AnthoSpec™

Measurements of Normalized Photosynthetic Photon Flux



### PfrSpec™

Measurements of Normalized Photosynthetic Photon Flux



### PrSpec™

Measurements of Normalized Photosynthetic Photon Flux

