



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

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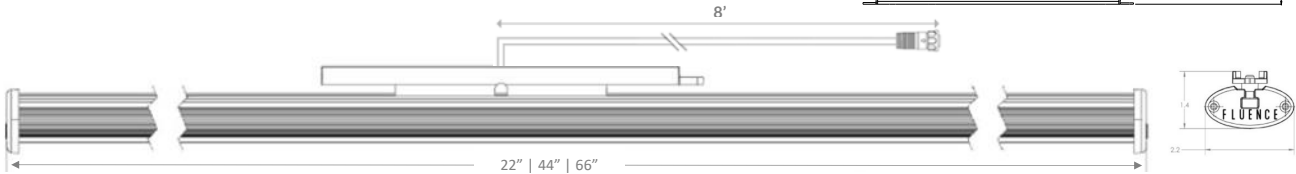
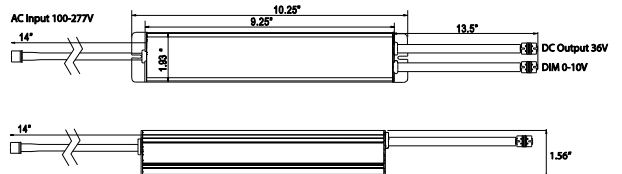


SPECIFICATIONS

	RAY22	RAY44	RAY66
Light Source	LED		
Spectrum	PhysioSpec Indoor™   PhysioSpec Greenhouse™   AnthoSpec™   PfrSpec™   PrSpec™   UVSpec™		
PPF	54-100 μmol/s	108-200 μmol/s	162-300 μmol/s
Input Power	38-45W	72-88W	108-132W
Efficacy	1.4-2.6 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	10.25" 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		
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	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
		4 44"	G PhysioSpec Greenhouse™		15 15 ft (4.57m)	N6 NEMA 6-15P
		6 66"	A AnthoSpec™			L7 NEMA L7-15P
			F PfrSpec™			PT Pigtailed
			R PrSpec™			
		U UVSpec™				



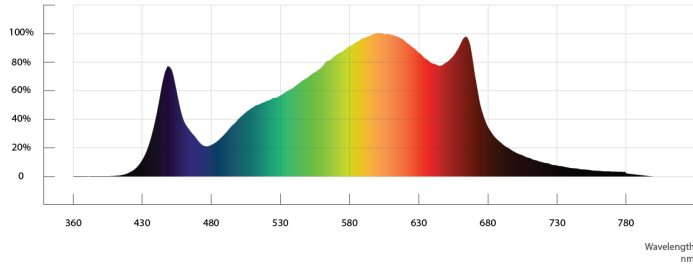


BIOENGINEERING

# Fluence Spectral Power Distribution Charts

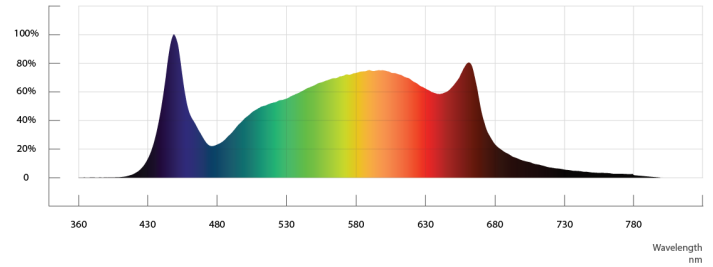
### PhysioSpec Indoor™

Measurements of Normalized Photosynthetic Photon Flux



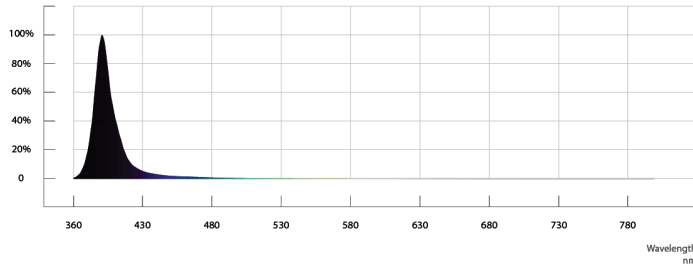
### PhysioSpec Greenhouse™

Measurements of Normalized Photosynthetic Photon Flux



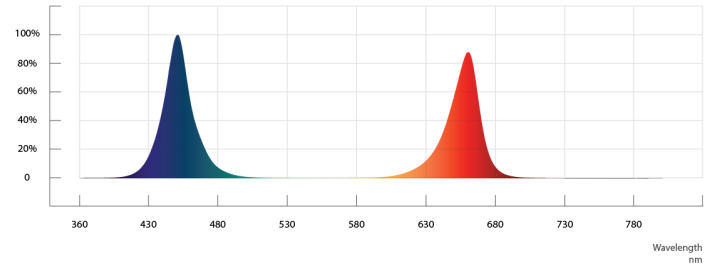
### UVSpec™

Measurements of Normalized Photosynthetic Photon Flux



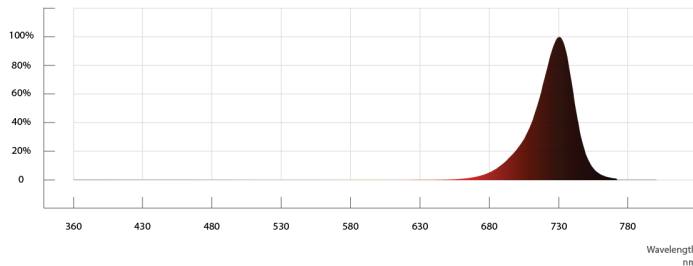
### AnthoSpec™

Measurements of Normalized Photosynthetic Photon Flux



### PfrSpec™

Measurements of Normalized Photosynthetic Photon Flux



### PrSpec™

Measurements of Normalized Photosynthetic Photon Flux

