

RAY Series

RAY LED grow light bar is available in three sizes: 22", 44" and 66", and it is available with six different spectral compositions for full-cycle growth and supplemental photomorphogenic response. RAY is flexible for a variety of applications.

FLUENCE
BY OSRAM

RAY Series

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SPECIFICATIONS

Light Distribution	120°
Input Voltage	120-277V AC, 50/60 Hz
Mounting Height	≥ 6" (15.2cm) Above Canopy
Thermal Management	Passive
Max. Ambient Temperature	95°F / 35°C
Dimming	10V-Source
Lifetime	L70: > 150,000hrs
Power Factor	> 90%
Certifications	cETL & UL 1598 Damp Location Rated
Warranty	3 Year Standard or 5 Year Extended Warranty

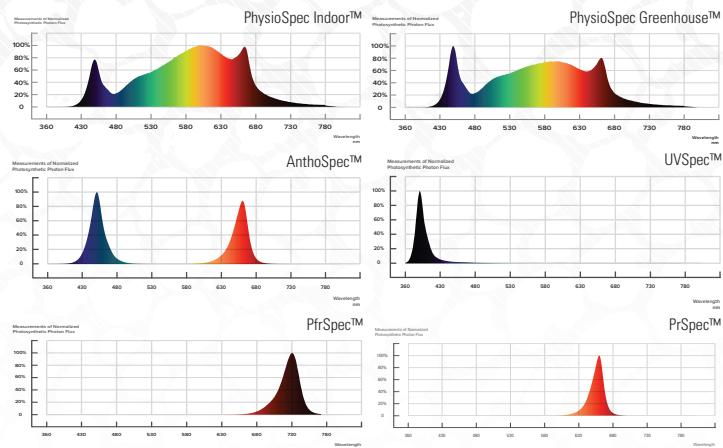
PHOTON FLUX AND EFFICACY

SPECTRUM		Photon Flux (360-780nm) (μmol/s)	AC Power @ 277 V (W)	Efficacy (360-780nm) @ 277 V AC (μmol/J)
RAY 22	Indoor	93	40	2.33
	Greenhouse	93	40	2.33
	Antho	79	43	1.84
	Pfr	81	32	2.53
	Pr	91	37	2.46
	UV	33	39	0.85
RAY 44	Indoor	185	79	2.34
	Greenhouse	185	79	2.34
	Antho	158	87	1.82
	Pfr	162	65	2.49
	Pr	182	74	2.46
	UV	66	78	0.85
RAY 66	Indoor	278	115	2.42
	Greenhouse	278	115	2.42
	Antho	237	126	1.88
	Pfr	243	94	2.59
	Pr	273	108	2.53
	UV	99	114	0.87

MAXIMUM AC INPUT AMPERAGE

SPECTRUM		AC VOLTAGE	120 V	208 V	240 V	277 V
RAY 22	Indoor	Max AC Input Current	0.34 A	0.20 A	0.17 A	0.15 A
	Greenhouse		0.34 A	0.20 A	0.17 A	0.15 A
	Antho		0.38 A	0.22 A	0.19 A	0.17 A
	Pfr		0.28 A	0.16 A	0.14 A	0.13 A
	Pr		0.32 A	0.19 A	0.16 A	0.14 A
	UV		0.34 A	0.20 A	0.17 A	0.15 A
RAY 44	Indoor	Max AC Input Current	0.69 A	0.40 A	0.36 A	0.32 A
	Greenhouse		0.69 A	0.40 A	0.36 A	0.32 A
	Antho		0.76 A	0.45 A	0.39 A	0.36 A
	Pfr		0.57 A	0.33 A	0.30 A	0.27 A
	Pr		0.64 A	0.38 A	0.33 A	0.30 A
	UV		0.68 A	0.40 A	0.35 A	0.32 A
RAY 66	Indoor	Max AC Input Current	1.02 A	0.59 A	0.50 A	0.44 A
	Greenhouse		1.02 A	0.59 A	0.50 A	0.45 A
	Antho		1.12 A	0.65 A	0.56 A	0.49 A
	Pfr		0.84 A	0.49 A	0.42 A	0.37 A
	Pr		0.96 A	0.55 A	0.47 A	0.42 A
	UV		1.01 A	0.58 A	0.50 A	0.44 A

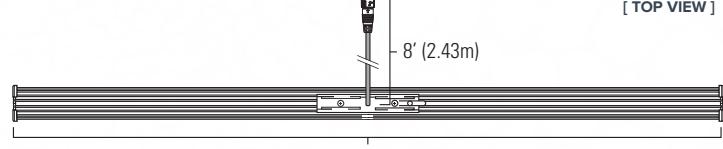
SPECTRUM



DIMENSIONS AND WEIGHT

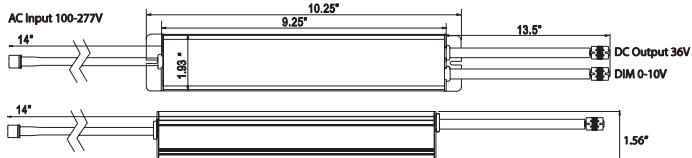
Fixture	SKU Abb.	Length	Width	Height	Weight
RAY 22	RY-2-x-1-xx-xx-R	22"	2.2"	1.4"	1.3 lb 0.6 kg
RAY 44	RY-4-x-1-xx-xx-R	44"	2.2"	1.4"	2.2 lb 1.0 kg
RAY 66	RY-6-x-1-xx-xx-R	66"	2.2"	1.4"	3.1 lb 1.4 kg

[TOP VIEW]



22" (55.88 cm) | 44" (111.76 cm) | 66" (167.64 cm)

[POWER SUPPLY]



SKU MATRIX

FAMILY	MODEL	SPECTRUM	INPUT VOLTAGE
RY	RAY	I PhysioSpec Indoor™ G PhysioSpec Greenhouse™ A AnthoSpec™ F PfrSpec™ R PrSpec™ U UVSpec™	1 120-277 V AC
2	22"		
4	44"		
6	66"		

AC EXTENSION CORD	AC PLUG TYPE	MOUNTING HARDWARE
06 6ft (1.83m)	N5 NEMA 5-15p	R Standard
15 15ft (4.57m)	N6 NEMA 6-15P L7 NEMA L7-15P PT Pigtails	



Contact **FLUENCE** @
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Subject to change without notice, Tolerance ±10%

Horticultural lighting | Not suitable for household illumination.