

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — Allows for indoor gardening year-round. This luminaire is multi-spectrum with switchable color options for a variety of growing needs depending on plant species, season of growth, and user preference. Includes: 5' plug-in power cord, color-coded toggle switches, on/off rocker switch, swivel power ports with covers, chains for suspension mounting, mounting hardware, and connector for linking multiple fixtures in side-to-side or end-to-end configurations.

CONSTRUCTION — Compact design formed from cold-rolled steel with durable injection-molded end caps. Features a matte white reflector and clear polycarbonate lens.

OPTICS — GRWL is switchable between single color or combinations of red, blue, and full (white) spectrums in the PAR range of 400 to 700 nanometers to promote photosynthesis in plants.

Red LEDs emit 655-670nm light useful for seed germination, root growth, and flowering.

Blue LEDs emit 440-455nm light useful for vegetative growth.

Full spectrum (White) LEDs provide task and display lighting with 80 CRI at 4000 K.

ELECTRICAL — Fixture operates at 120 volts, 60 Hz. Standard input = 29 watts. Actual wattage may differ by +/- 5% when operating at 120V +/- 10%. Operating temperature: 32°F (0°C) to 104°F (40°C).

INSTALLATION — Flush or suspension mount. Plug in or direct wire. Linkable up to 354 watts maximum (approx. 10- 24" fixtures). Adjustable chain set and linking connector included (linking connector cord sold separately). Luminaire should be installed in applications where ambient temperatures do not exceed 104°F (40°C). Recommended mounting height: 6" - 18" centered above grow area.

LISTINGS — UL Certified to US and Canadian standards and listed suitable for damp locations.

WARRANTY — 3-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

ACRONYMS — PAR: Photosynthetic Active Radiation

PPFD: Photosynthetic Photon Flux Density

PATENT PENDING

Note: Actual performance may differ as a result of end-user environment and application.

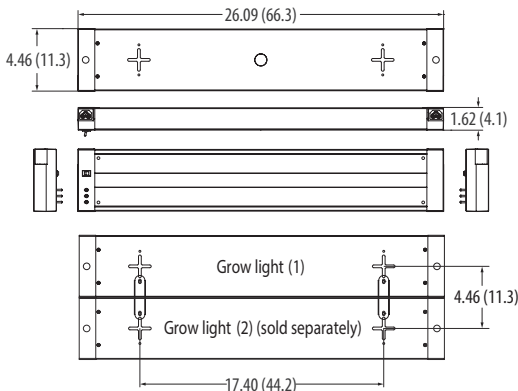
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Decorative Indoor

LED Grow Light

SWITCHABLE, MULTI-SPECTRUM LED

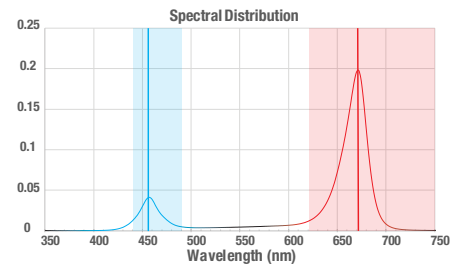


Dimensions

Width: 4.46 (11.3)
 Length: 26.09 (66.3)
 Depth: 1.62 (4.1)
 Weight: 2.75 lbs. (1.2 kg)

All dimensions are inches (centimeters) unless otherwise indicated.

Spectral Distribution Curve



Blue Spectrum
 Peak Wavelength
 at 455 nm
 +0 nm / -15 nm

Red Spectrum
 Peak Wavelength
 at 670 nm
 +0 nm / -15 nm

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: GRWL 24IN 40K 80CRI SLV

SERIES	LENGTH	CCT	CRI	FINISH
GRWL	24IN 24"	40K	80CRI	SLV

Accessories: Order as separate catalog number.

MNLK LINKABLE CORD WH	18" Extra linking cord in white
SGLL 24IN LINKABLE CORD BL	24" Extra linking cord in black
MNLK 5FT POWER CORD WH	5' Replacement power cord in white

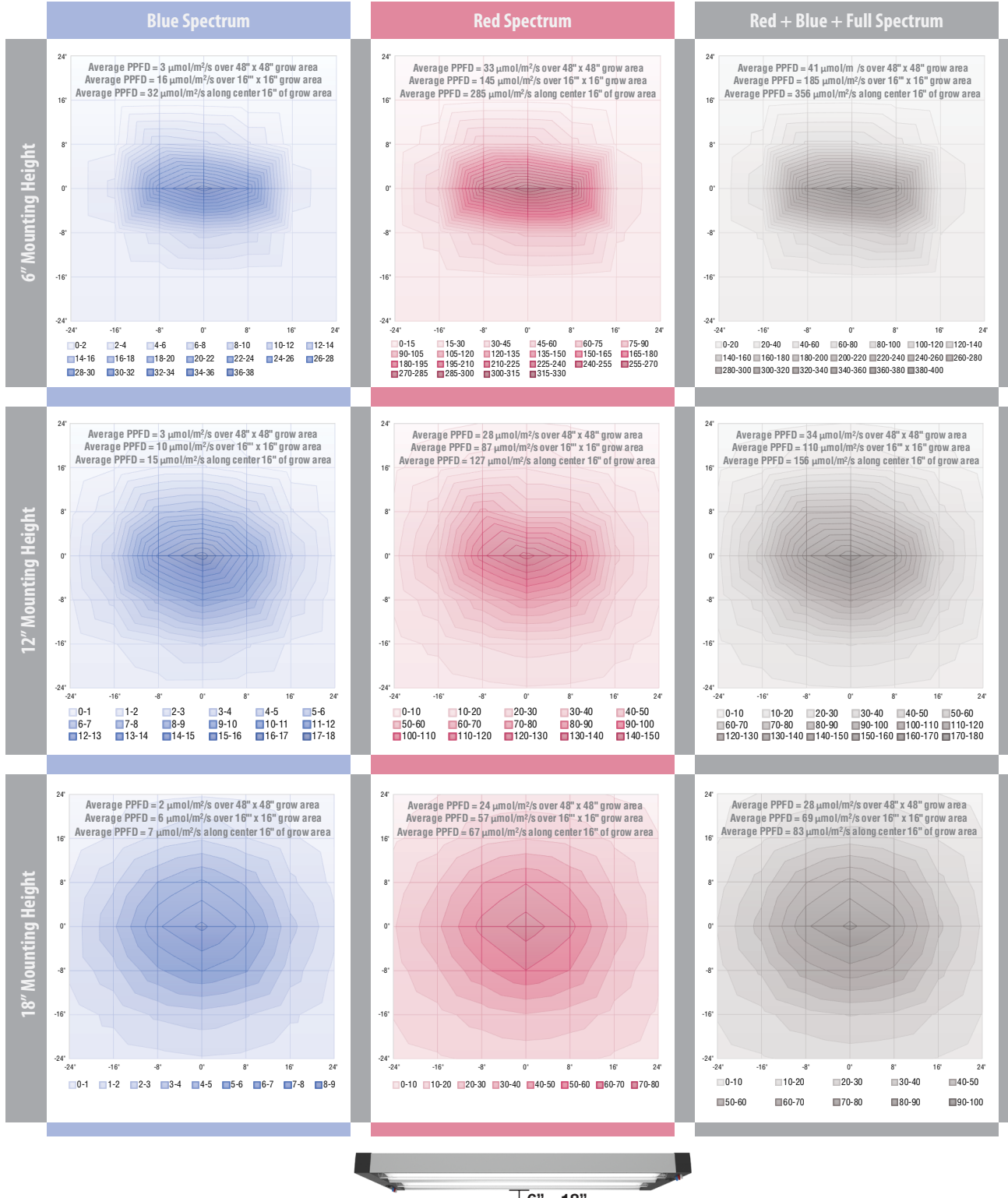
PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$) FOOTPRINTS: SINGLE FIXTURE CONFIGURATION



6" - 18"
15.24 - 45.72cm



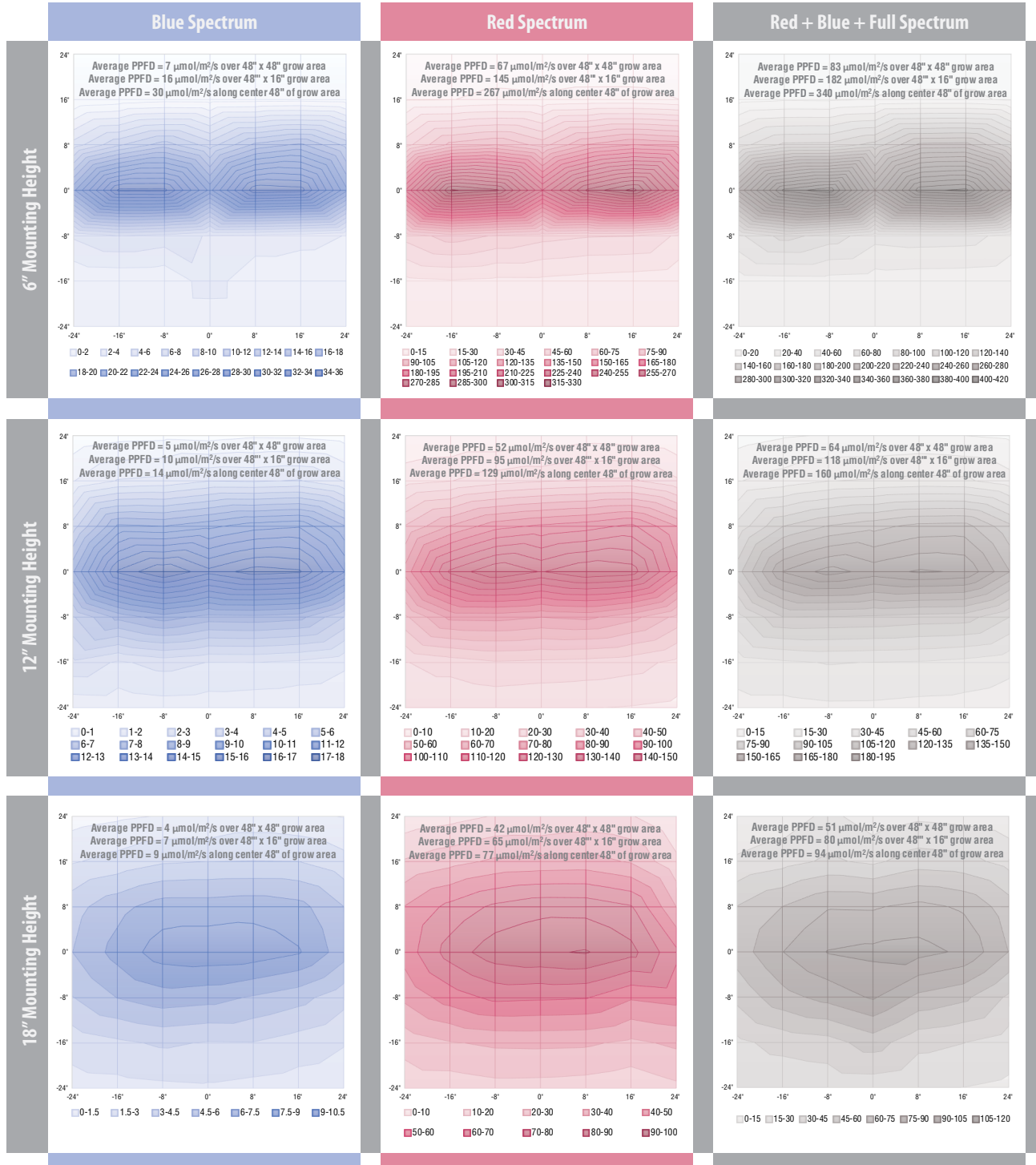
PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$) FOOTPRINTS: SIDE-TO-SIDE FIXTURE CONFIGURATION



6" - 18"
15.24 - 45.72cm



PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$) FOOTPRINTS: SIDE-TO-SIDE & END-TO-END FIXTURE CONFIGURATION



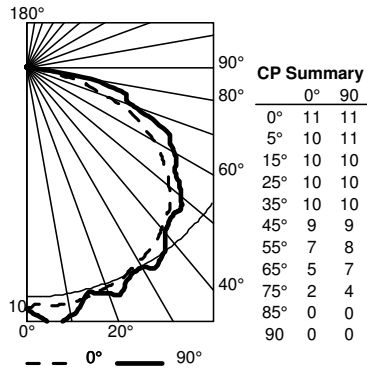
6" - 18"
15.24 - 45.72cm



Grow Light

PHOTOMETRICS

GRWL Blue Spectrum test no. ISF 33241

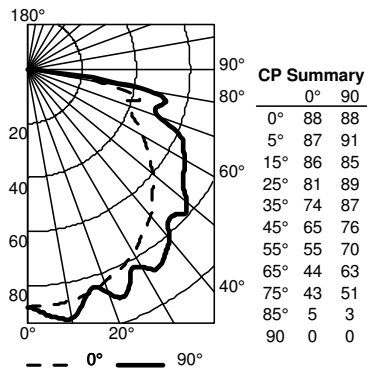


CP Summary		
	0°	90°
0°	11	11
5°	10	11
15°	10	10
25°	10	10
35°	10	10
45°	9	9
55°	7	8
65°	5	7
75°	2	4
85°	0	0
90°	0	0

Coefficients of Utilization									
pf	20%								
	80%			70%			50%		
pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	108	103	98	101	96	93	96	93	90
2	97	88	81	87	80	74	83	77	72
3	88	77	68	75	67	61	72	65	59
4	80	67	58	66	57	51	63	56	50
5	73	60	50	59	50	43	56	48	42
6	67	53	44	52	43	37	50	43	37
7	62	48	39	47	39	32	46	38	32
8	58	44	35	43	35	29	42	34	28
9	54	40	31	39	31	26	38	31	25
10	50	37	29	36	28	23	35	28	23

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	9	22.5	22.5
0° - 40°	15	38.3	38.3
0° - 60°	28	74.0	74.0
0° - 90°	38	99.7	99.7
90° - 120°	0	0.2	0.2
90° - 130°	0	0.2	0.2
90° - 150°	0	0.3	0.3
90° - 180°	0	0.3	0.3
0° - 180°	38	100.0	100.0

GRWL Red Spectrum test no. ISF 33239

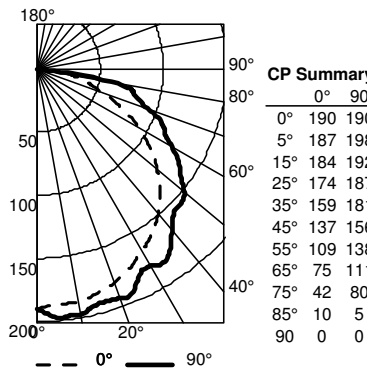


CP Summary		
	0°	90°
0°	88	88
5°	87	91
15°	86	85
25°	81	89
35°	74	87
45°	65	76
55°	55	70
65°	44	63
75°	43	51
85°	5	3
90°	0	0

Coefficients of Utilization									
pf	20%								
	80%			70%			50%		
pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	106	100	95	98	93	89	94	90	86
2	95	85	77	83	76	70	80	73	68
3	86	74	64	72	63	56	69	61	55
4	78	64	55	63	54	47	60	52	46
5	71	57	47	56	46	39	54	45	39
6	65	51	41	50	41	34	48	40	34
7	60	46	36	45	36	30	43	35	29
8	56	42	33	41	32	26	40	32	26
9	52	38	29	37	29	23	36	29	23
10	49	35	27	35	26	21	33	26	21

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	73	20.4	20.4
0° - 40°	123	34.7	34.7
0° - 60°	239	67.2	67.2
0° - 90°	355	99.9	99.9
90° - 120°	0	0.1	0.1
90° - 130°	0	0.1	0.1
90° - 150°	0	0.1	0.1
90° - 180°	0	0.1	0.1
0° - 180°	356	100.0	100.0

GRWL Red + Blue + Full Spectrum White test no. 3323

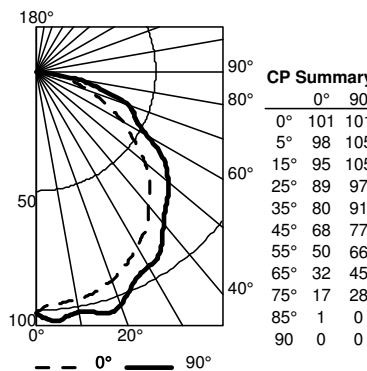


CP Summary		
	0°	90°
0°	190	190
5°	187	198
15°	184	192
25°	174	187
35°	159	181
45°	137	156
55°	109	138
65°	75	111
75°	42	80
85°	10	5
90°	0	0

Coefficients of Utilization									
pf	20%								
	80%			70%			50%		
pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	107	102	97	100	96	92	96	92	89
2	97	88	80	86	79	73	82	76	71
3	88	76	67	75	66	60	72	65	59
4	80	67	58	66	57	50	63	55	49
5	73	59	50	58	49	43	56	48	42
6	67	53	44	52	43	37	50	42	37
7	62	48	39	47	39	32	46	38	32
8	58	44	35	43	35	29	42	34	28
9	54	40	32	39	31	26	38	31	26
10	51	37	29	36	28	23	35	28	23

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	155	23.1	23.1
0° - 40°	260	38.8	38.8
0° - 60°	488	72.7	72.7
0° - 90°	671	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	671	100.0	100.0

GRWL Full Spectrum White test no. ISF33240



CP Summary		
	0°	90°
0°	101	101
5°	98	105
15°	95	105
25°	89	97
35°	80	91
45°	68	77
55°	50	66
65°	32	45
75°	17	28
85°	1	0
90°	0	0

Coefficients of Utilization									
pf	20%								
	80%			70%			50%		
pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	109	104	100	102	98	94	97	94	91
2	99	90	84	88	82	77	85	80	75
3	90	79	71	78	70	64	75	68	63
4	82	70	61	69	60	54	66	59	53
5	75	62	53	61	53	46	59	51	46
6	70	56	47	55	46	40	53	46	40
7	64	51	42	50	41	35	48	41	35
8	60	46	38	45	37	32	44	37	31
9	56	42	34	42	34	28	41	33	28
10	52	39	31	38	31	26	37	30	26

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	81	26.3	26.3
0° - 40°	134	43.6	43.6
0° - 60°	242	78.7	78.7
0° - 90°	308	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	308	100.0	100.0