



Pro line

# Gavita<sup>®</sup> Pro RS 2400e LED

## FIXTURE PART NO: HGC906052

The Gavita Pro produces 2400  $\mu\text{mol s}^{-1}$  PAR and an impressively efficient 3.0  $\mu\text{mol/j}$  and delivers a broad white light with an enhanced blue spectrum, which some studies show may intensify secondary metabolites, such as terpenes and cannabinoids. This powerful, full-spectrum light source is intended for full-term plant growth - from the vegetative stages to higher-light-requiring bloom and finishing stages. Using the Gavita Master EL3 Controller (*sold separately*), the fixture is dimmable to 10% without any loss of efficiency. The RS 2400e is built with high-quality components, including Gavita drivers and custom-made Gavita-branded diodes, to deliver the performance and lifespan you expect from the name you trust.

### FEATURES:

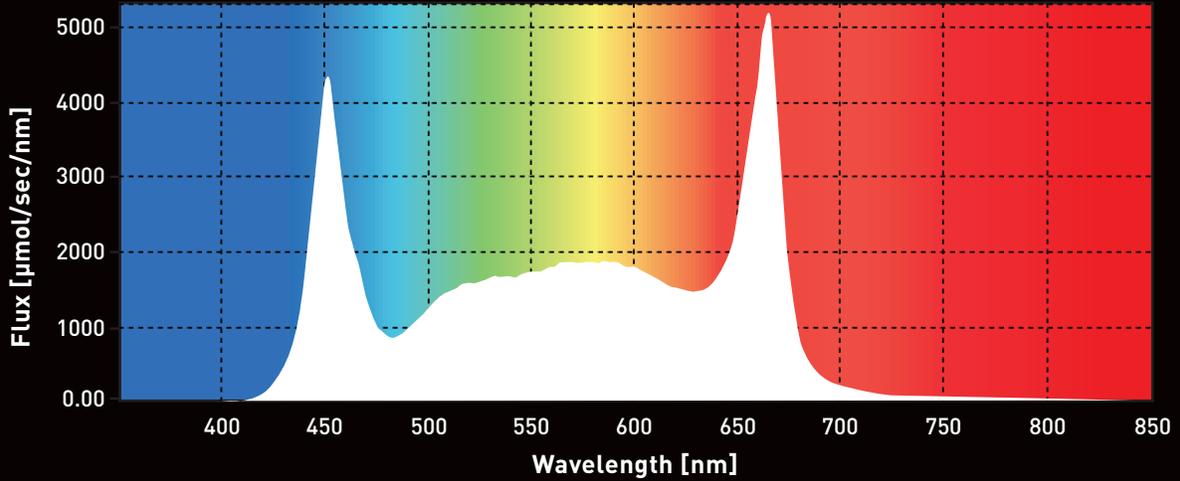
- High light intensity to help produce higher yields
- Broad white light with an enhanced blue spectrum, which some studies show may intensify secondary metabolites, such as terpenes and cannabinoids.
- Dimmable down to 10% with the Gavita EL3 Master controller (*sold separately*)
- Delivers the highest efficiency of any full spectrum, DLC-listed LED fixture at an impressive 3.0  $\mu\text{mol/J}^*$
- Premium Gavita-branded diodes and drivers
- Embedded adapter for maximum controllability with the Gavita EL3 Master controller (*sold separately*)
- IP66 wet rating and ANSI/CAN/UL 8800 compliant
- 5 year limited warranty\*\*

### QUICK SPECIFICATIONS:

- Model No. HGC906052
- Volt: 120 - 277 V
- Frequency: 50/60 Hz
- ETL Listed
- Watts: 800 W
- Current at 120 V: 6.67 A
- Current at 277 V: 2.89 Av
- Max Ambient Temp: 40° C
- Dim: 44.8 in x 43.25 in x 3.3 in
- Weight: 35.3 lb

# Color Spectrum

Flux vs Wavelength



## Uniformity (PPFD Map)

The luminaire was tested with the long axis of the luminaire oriented along the y-axis of the plot.

Mounting Height: 4 feet

12in Measuring Height

419.89	590.84	701.35	704.55	703.14	681.15	656.58	579.11	388.23
644.72	932.77	1,049.57	1,079.93	1,073.75	1,079.74	1,060.77	945.62	540.89
756.77	1,135.23	1,305.33	1,329.69	1,300.86	1,299.54	1,300.15	1,127.56	772.16
816.28	1,194.82	1,365.38	1,388.77	1,394.98	1,420.25	1,389.37	1,210.79	842.22
845.33	1,205.77	1,393.53	1,428.25	1,402.71	1,397.53	1,363.81	1,191.14	807.54
755.13	1,112.92	1,276.99	1,315.98	1,305.92	1,337.26	1,306.90	1,146.56	784.81
639.80	902.73	1,064.74	1,081.05	1,046.43	1,068.02	1,065.99	931.74	622.27
401.02	609.28	692.08	700.97	671.20	661.81	655.17	565.03	400.98

4 Feet Y-AXIS

4 Feet X-AXIS

24in Measuring Height

358.83	467.57	528.78	556.24	579.51	566.34	493.94	383.71	362.29
471.14	588.93	672.94	720.58	735.07	723.65	669.60	525.85	445.90
529.90	678.51	779.18	849.93	865.57	849.30	790.76	689.99	540.12
585.15	744.22	846.08	919.00	932.21	915.00	843.37	685.96	591.02
584.19	747.99	859.42	917.28	930.93	918.87	850.07	741.50	578.23
510.78	654.29	785.58	844.33	866.08	855.32	802.19	699.38	555.48
462.74	604.82	685.06	726.92	738.70	652.49	641.54	602.25	442.97
357.11	401.67	525.55	518.32	577.54	530.81	535.14	469.08	375.82

4 Feet Y-AXIS

4 Feet X-AXIS

36in Measuring Height

295.02	343.13	378.53	401.02	407.77	403.54	381.63	338.09	287.60
339.22	399.67	445.69	475.75	482.43	473.27	443.28	399.61	341.69
375.94	445.64	494.88	527.81	541.94	530.18	497.60	444.80	375.66
393.39	467.01	526.79	561.77	571.25	559.53	523.97	471.56	403.80
401.26	468.25	521.78	557.09	569.42	558.37	521.73	461.54	386.17
368.44	439.33	494.24	526.38	539.70	526.66	495.52	447.81	381.06
342.85	399.53	443.07	470.84	482.21	471.35	442.42	388.95	331.40
283.43	340.41	391.89	412.36	381.65	402.35	378.73	342.40	291.66

4 Feet Y-AXIS

4 Feet X-AXIS

48in Measuring Height

234.35	259.28	275.85	290.83	298.32	295.36	281.84	259.49	228.44
250.31	286.66	313.27	330.33	333.39	328.91	312.08	289.28	259.33
276.81	311.45	338.08	353.96	359.85	354.65	338.4	308.66	266.95
277.94	318.6	350.61	368.98	373.88	368.25	349.82	321.87	286.31
289.22	322.25	350.97	366.39	374.34	368.21	349.23	317.51	279.4
269.09	307.45	334.91	352.74	360.05	355.22	335.71	310.13	278.04
257.8	288.97	312.82	329.97	334.71	325.86	311.31	287.33	248.65
223.4	266.93	279.13	291.18	297.76	292.22	280.72	259.46	232.44

4 Feet Y-AXIS

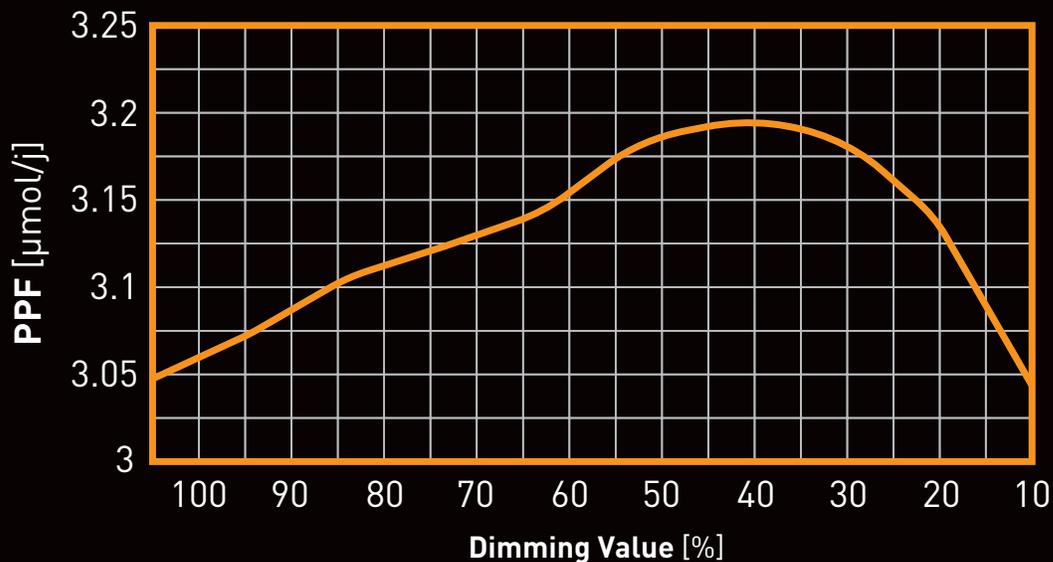
4 Feet X-AXIS

## Photometric Characteristics

Dimming Value %	PPF ( $\mu\text{mol/s}$ )	PPE ( $\mu\text{mol/s}$ )
100	2396	3.056
90	2161	3.088
80	1926	3.125
70	1683	3.147
60	1442	3.169
50	1199	3.221
40	950.3	3.232
30	704.7	3.223
20	453.4	3.166
10	229.3	3.053

## Dimming Curve vs. Efficiency

The Gavita Pro RS 2400e gains efficiency as the fixture is dimmed down to the desired light levels. This allows users to reach even higher levels of PPE, leading to even more cost savings.



# Gavita® Pro RS 2400e LED Summary

<b>Input Voltage +/- 10%:</b>	120 - 277 V
<b>Input Watts +/- 7%:</b>	800 W
<b>Current:</b>	6.7 - 2.89 A
<b>Heat Load:</b>	2,724 Btu/hr
<b>Frequency:</b>	50/60 Hz
<b>Power Factor:</b>	> 0.95
<b>Rating:</b>	IP66
<b>Dimensions:</b>	43.25 x 44.8 x 3.3 in / 109.9 x 113.8 x 8.4 cm
<b>Certifications:</b>	Conforms to ANSI/UL STD 1598. Certified to CSA STD C22.2 No. 250.0. Conforms to ANSI/CAN/UL STD 8800
<b>Power inlet:</b>	Wieland RST 16i5 connector
<b>External dim:</b>	Gavita EL3 Master Controller
<b>External control signal:</b>	RJ connector (8P6C)
<b>Warranty:</b>	5 Year warranty**

\*\*When purchased from an authorized Hawthorne dealer, this product is covered by a LIMITED WARRANTY, available at [hawthornegc.com/warranties](http://hawthornegc.com/warranties). You can also obtain the Terms of Sale and Limited Warranty by calling Hawthorne toll-free at: 1-888-478-6544 or writing Hawthorne at: Hawthorne Hydroponics LLC, 3204 NW 38th Circle, Vancouver, WA 98660., Attn: Customer Service.

## INCLUDED IN THE BOX:

- Gavita® Pro RS 2400e LED 120-277 V
- Wire Hangers

## ACCESSORIES (Sold separately):

- HGC906174 - Gavita EL3 Master controller
- HGC906708 - Gavita Daisy Chain T-Splitter
- HGC906743 - Gavita Rail System Hanging Bracket
- See website for communication cables options

## POWER CORDS (Sold separately):

- HGC906147 - Gavita 8 ft Power Cord 120 Volt for LED
- HGC906148 - Gavita 8 ft Power Cord 208-240 Volt for LED
- HGC906458 - Gavita 8 ft Power Cord 277-400 Volt for Gavita LED
- HGC906182 - Gavita 8 ft Power Cord 277 Volt Twist Lock Plug

## HAWTHORNE GROW SOLUTIONS

Hawthorne Gardening Company was purposefully built to serve growers with exclusive and distributed performance-based brands including Agrolux, Gavita, General Hydroponics, Grodan, Botanicare, Sun System, Can-Filter, Quest and many more. In addition, Hawthorne has unparalleled distribution capabilities across North America, bold R&D investments, and service solutions that go beyond product. Our goal is to enable growers to seize today's unprecedented opportunities and build the industry of tomorrow.

## TOOLS & SUPPORT

Our team of experts are experienced in horticulture, lighting, environmental control and more, and offers services in every stage of the process – from planning to implementation and tracking to troubleshooting. We are invested in helping you succeed!

### HAWTHORNE CONTROLLED ENVIRONMENT SERVICES

- HVAC / Dehumidification
- Airflow Management
- Design Services: Lighting, Benching, Irrigation.

### HAWTHORNE HORTICULTURE SERVICES

- Plant Nutrition Services
- Growing Media Services
- Analytical Services

**CONTACT US FOR A FREE LIGHTING LAYOUT: (Tel) 888.478.6544 (Fax) 360.693.1682**



Manufactured for Hawthorne Hydroponics LLC, a subsidiary of The Hawthorne Gardening Company.  
3204 NW 38th Circle, Vancouver, WA 98660

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