



Pro line

Gavita[®] Pro RS 2400e LED

FIXTURE PART NO: HGC906409

The Gavita Pro produces 2400 $\mu\text{mol s}^{-1}$ PAR and an impressively efficient 3.2 $\mu\text{mol/j}$ 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 premium drivers and custom-made diodes, to deliver the performance and lifespan you expect from the name you trust.

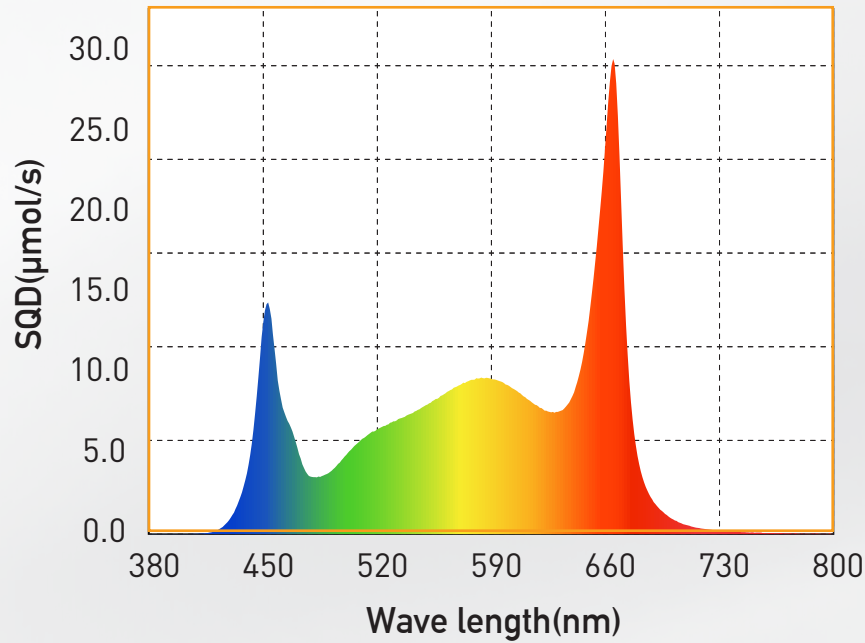
FEATURES:

- 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, Gavita LED fixture at an impressive 3.2 $\mu\text{mol/J}$
- Premium diodes and drivers
- Embedded adapter for maximum controllability with the Gavita EL3 Master controller (*sold separately*)
- IP66 water/dust rating and ANSI/CAN/UL 8800 compliant
- 5 year limited warranty**

QUICK SPECIFICATIONS:

- Model No. HGC906409
- Volt: 208 - 480 V
- Frequency: 50/60 Hz
- CSA Certified to UL and CSA Standards
- Watts: 750 W
- Current at 208 V: 3.6 A
- Current at 277 V: 2.7 A
- Current at 480 V: 1.56 A
- Max Ambient Temp: 40° C
- Dim: 44.8 in x 43.25 in x 3.3 in
- Weight: 33.6 lb

Color Spectrum



Uniformity (PPFD Map)

The luminaire was tested with the long axis of the luminaire oriented along the y-axis of the plot. Tested at 277 V.

@ 12inch Measuring Height

898.8	905.0	933.9	1023.3	1164.3	1043.7	976.8	970.9	936.9
904.2	960.2	1038.4	1175.9	1373.5	1195.3	1073.2	1006.9	974.8
964.4	1043.0	1237.9	1393.0	1648.3	1415.2	1276.5	1100.7	1060.2
1103.3	1201.2	1472.2	1598.8	1740.4	1618.8	1520.3	1255.2	1132.6
1228.1	1387.9	1586.3	1708.8	1897.7	1711.4	1605.2	1430.4	1242.5
1114.9	1170.2	1439.7	1571.7	1700.3	1598.0	1483.1	1228.5	1103.4
1070.3	1035.1	1177.1	1325.9	1566.9	1341.8	1215.4	1098.2	1005.8
911.0	878.4	987.2	1081.5	1265.0	1093.2	1021.5	931.1	937.8
854.6	836.0	857.5	971.4	1091.0	997.2	901.4	903.4	906.4

4 Feet Y-axis

4 Feet X-axis

@ 24inch Measuring Height

473.7	533.0	642.9	778.4	824.2	785.0	653.2	544.7	488.5
483.4	546.1	708.6	802.0	877.8	804.6	718.0	557.3	498.8
506.8	570.7	766.1	835.9	930.2	838.8	775.7	583.9	522.6
607.4	650.3	851.5	1068.7	1202.6	906.6	862.8	664.5	624.1
687.4	743.2	1018.7	1192.1	1360.1	1192.5	1020.3	747.4	695.6
603.6	645.2	845.4	1059.2	1194.0	1065.3	855.2	657.1	617.9
588.8	558.3	753.1	819.9	1013.6	822.7	765.7	571.5	543.8
497.6	527.3	685.0	776.7	944.4	779.0	693.6	539.5	497.6
469.6	507.4	611.9	742.4	783.5	744.3	619.3	518.7	484.9

4 Feet Y-axis

4 Feet X-axis

@ 36inch Measuring Height

369.9	464.6	484.8	543.1	567.0	543.9	487.8	470.1	376.7
460.0	480.7	498.5	571.8	599.5	572.1	501.4	486.7	468.6
460.0	493.3	613.6	710.6	646.0	710.4	616.8	499.2	484.2
528.2	561.0	703.3	704.8	744.3	706.1	709.3	567.5	536.8
554.1	588.6	739.9	742.0	781.6	741.6	739.8	589.5	555.5
527.4	559.3	700.9	699.9	742.1	702.8	704.2	563.5	532.8
527.4	488.3	605.1	701.9	636.1	704.5	612.1	493.8	477.5
451.1	472.5	489.7	560.6	585.7	561.7	492.9	480.5	460.5
359.7	452.7	472.1	527.7	550.6	529.1	474.6	401.5	368.3

4 Feet Y-axis

4 Feet X-axis

@ 48inch Measuring Height

229.8	268.2	303.0	327.0	337.2	327.1	304.1	270.1	232.7
265.9	315.9	357.7	389.3	401.4	389.1	358.6	318.0	269.3
265.9	355.0	406.1	443.8	457.0	443.8	408.0	357.7	302.0
320.4	383.8	440.7	481.2	496.3	482.0	442.5	387.0	323.7
331.1	396.0	453.0	495.3	510.0	494.5	453.2	395.8	331.6
320.1	383.2	440.4	478.9	495.2	480.6	441.3	384.6	322.0
320.1	352.4	402.5	439.8	453.7	441.8	404.8	355.2	299.3
262.6	311.6	352.9	383.6	394.2	384.5	354.8	314.9	266.2
225.9	263.0	297.2	320.3	329.4	320.9	298.2	265.6	229.7

4 Feet Y-axis

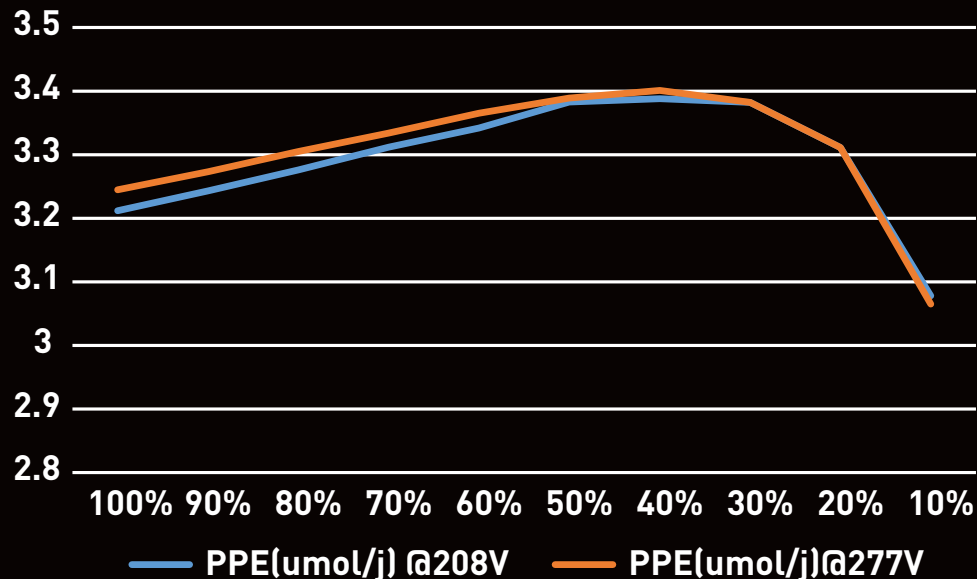
4 Feet X-axis

Photometric Characteristics

Dimming Value %	PPF ($\mu\text{mol/s}$)	PPE ($\mu\text{mol/s}$)
100	2502	3.245
90	2275	3.273
80	2028	3.305
70	1683	3.334
60	1520	3.365
50	1268	3.389
40	1006	3.401
30	746.9	3.382
20	482.4	3.311
10	240.9	3.065

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

Input Voltage +/- 10%:	208 - 480 V
Input Watts +/- 7%:	750 W
Current:	3.6 A @ 208 V. 2.7 A @ 277 V. 1.56 A @ 480 V.
Heat Load:	2559 Btu/hr
Frequency:	50/60 Hz
Power Factor:	> 0.95
Rating:	IP66 Suitable for Indoor Wet Locations
Dimensions:	43.25 x 44.8 x 3.3 in / 109.9 x 113.8 x 8.4 cm
Certifications:	Conforms to ANSI/UL STD 1598. Certified to CSA STD C22.2 No. 250.0. Conforms to ANSI/CAN/UL STD 8800 Conforms to ANSI/UL STD 8750 Certified to CSA STD C22.2 No. 250.13
Power inlet:	Wieland RST 20i3 connector
External dim:	Gavita EL3 Master Controller
External control signal:	RJ connector (8P6C)
Warranty:	5 Year warranty**

**When purchased from an authorized Hawthorne dealer, this product is covered by a LIMITED WARRANTY, available at 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, 800 Port Washington Blvd. Port Washington, NY 11050., Attn: Customer Service.

INCLUDED IN THE BOX:

- Gavita® Pro RS 2400e LED 208-480 V
- RJ45 Cap
- Dummy Plug
- 10ft RJ45 Dimming Cable
- Safety Wire
- Y-Hook Hanger

ACCESSORIES (Sold separately):

- HGC906174 - Gavita EL3 Master controller
- HGC906708 - Gavita Daisy Chain T-Splitter
- HGC906743 - Gavita Rail System Hanging Bracket

POWER CORDS (Sold separately):

- HGC906204 - Gavita™ 8 ft 3 Pin Power Cord 208-240 Volt for LED
- HGC906234 - Gavita™ 8 ft 3 Pin Power Cord 277-480 Volt for LED
- HGC906272 - Gavita™ 8 ft 3 Pin Power Cord 277 Volt Twist Lock Plug for LED
- HGC906401 - Gavita™ 20 ft 3 Pin Power Cord 277-480 V for LED
- HGC906403 - Gavita™ 5 Pin to 3 Pin Power Cord Adapter

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



Hawthorne Gardening Company was purposefully built to serve growers with top tier brands combined with the deep experience and technical expertise that enables growers to maximize efficiency, production and cost savings.

Manufactured for Hawthorne Hydroponics LLC, a subsidiary of The Hawthorne Gardening Company.

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