GAVITA®
HORTICULTURAL LIGHTING

Gavita® **CT** 2000e LED 208 - 480 V

FIXTURE PART NO: HGC906415

The next generation of the Gavita Compact Toplight LED, the Gavita CT 2000e is a direct replacement for HPS. Designed to fit seamlessly in existing HPS layouts, the CT 2000e produces 2000 µmol s-1 PAR and an impressively efficient 3.0 µmol/j. The CT 2000e delivers a broad white light with an enhanced blue spectrum which may intensify terpene and cannabinoid profiles. 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 35% without any loss of efficiency. The CT 2000e is built with high-quality components, including premium drivers and diodes, to deliver the performance and lifespan you expect from the name you trust.
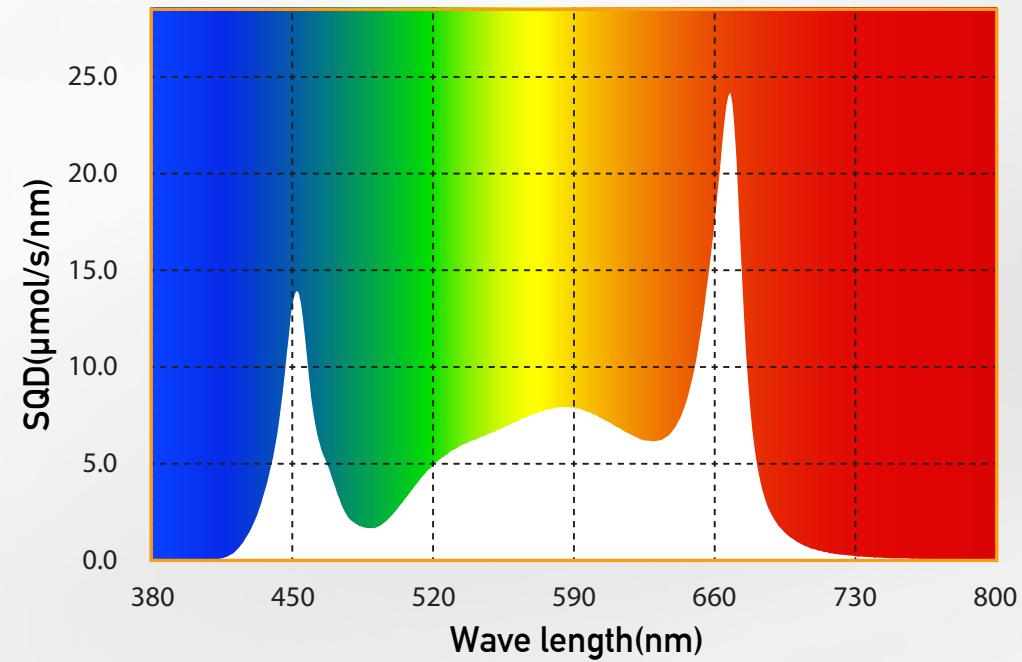
FEATURES:

- Delivers 2000 µmol s-1 PAR and an efficient 3.0 µmol/j
- Designed as a direct replacement for HID fixtures, with plug-and-play installation for instant LED conversions
- Compact design fits most HPS layouts, reducing the pain when replacing hundreds at a time.
- Wide, even light distribution indiscernible from HPS light throw, with better uniformity.

- Dimmable down to 35% with the Gavita EL3 Master Controller *(sold separately)*
- Premium diodes and drivers
- Embedded adapter for maximum controllability with the Gavita EL3 Master controller *(sold separately)*
- IP65 wet rating and ANSI/CAN/UL 8800 compliant
- 5 year limited warranty*
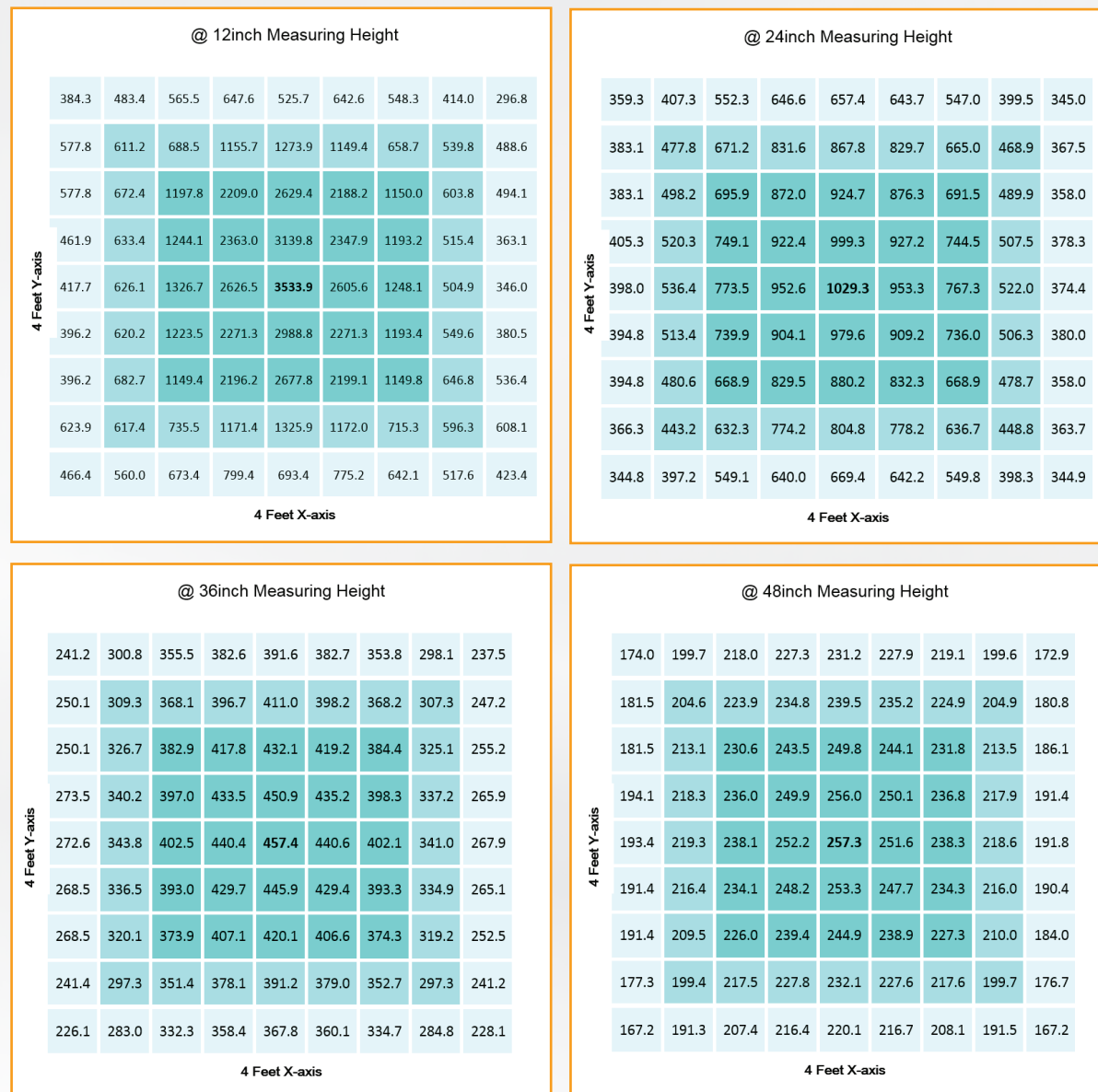
QUICK SPECIFICATIONS:

- Model No. HGC906415
- Volt: 208 - 480 V
- Frequency: 50/60 Hz
- CSA Certified to UL and CSA Standards
- Watts: 650 W
- Current at 208 V: 3.125 A

- Current at 277 V: 2.35 A
- Current at 480 V: 1.35 A
- Max Ambient Temp: 40° C
- Dim: 24.6 x 12.1 x 5.1 in
- Weight: 34.5 lb

Color Spectrum

Y-axis: SQD(μmol/s/nm) — 0.0, 5.0, 10.0, 15.0, 20.0, 25.0
X-axis: Wave length(nm) — 380, 450, 520, 590, 660, 730, 800

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.

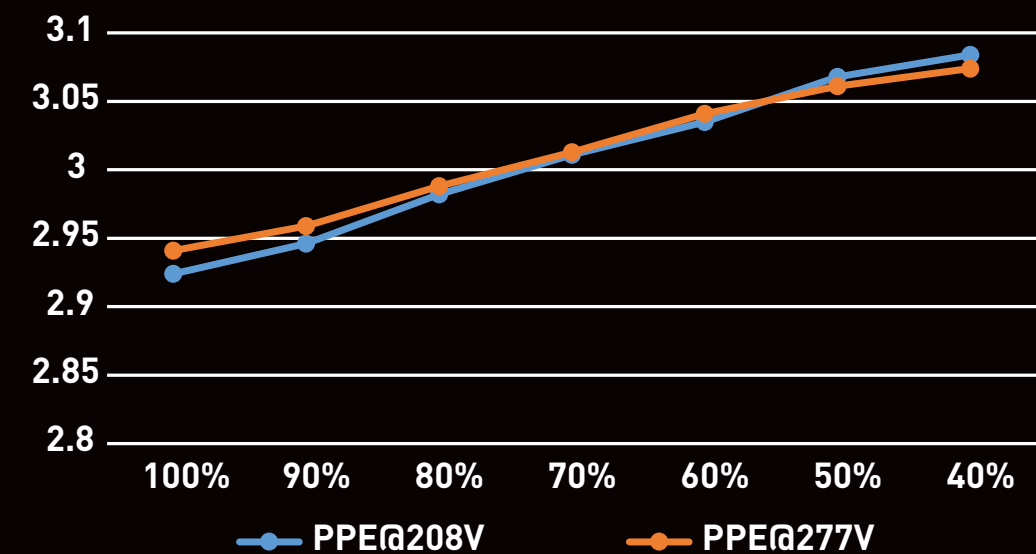### @ 12inch Measuring Height

384.3	483.4	565.5	647.6	525.7	642.6	548.3	414.0	296.8
577.8	611.2	688.5	1155.7	1273.9	1149.4	658.7	539.8	488.6
577.8	672.4	1197.8	2209.0	2629.4	2188.2	1150.0	603.8	494.1
461.9	633.4	1244.1	2363.0	3139.8	2347.9	1193.2	515.4	363.1
417.7	626.1	1326.7	2626.5	3533.9	2605.6	1248.1	504.9	346.0
396.2	620.2	1223.5	2271.3	2988.8	2271.3	1193.4	549.6	380.5
396.2	682.7	1149.4	2196.2	2677.8	2199.1	1149.8	646.8	536.4
623.9	617.4	735.5	1171.4	1325.9	1172.0	715.3	596.3	608.1
466.4	560.0	673.4	799.4	693.4	775.2	642.1	517.6	423.4

4 Feet Y-axis / 4 Feet X-axis

@ 24inch Measuring Height

359.3	407.3	552.3	646.6	657.4	643.7	547.0	399.5	345.0
383.1	477.8	671.2	831.6	867.8	829.7	665.0	468.9	367.5
383.1	498.2	695.9	872.0	924.7	876.3	691.5	489.9	358.0
405.3	520.3	749.1	922.4	999.3	927.2	744.5	507.5	378.3
398.0	536.4	773.5	952.6	1029.3	953.3	767.3	522.0	374.4
394.8	513.4	739.9	904.1	979.6	909.2	736.0	506.3	380.0
394.8	480.6	668.9	829.5	880.2	832.3	668.9	478.7	358.0
366.3	443.2	632.3	774.2	804.8	778.2	636.7	448.8	363.7
344.8	397.2	549.1	640.0	669.4	642.2	549.8	398.3	344.9

4 Feet Y-axis / 4 Feet X-axis

@ 36inch Measuring Height

241.2	300.8	355.5	382.6	391.6	382.7	353.8	298.1	237.5
250.1	309.3	368.1	396.7	411.0	398.2	368.2	307.3	247.2
250.1	326.7	382.9	417.8	432.1	419.2	384.4	325.1	255.2
273.5	340.2	397.0	433.5	450.9	435.2	398.3	337.2	265.9
272.6	343.8	402.5	440.4	457.4	440.6	402.1	341.0	267.9
268.5	336.5	393.0	429.7	445.9	429.4	393.3	334.9	265.1
268.5	320.1	373.9	407.1	420.1	406.6	374.3	319.2	252.5
241.4	297.3	351.4	378.1	391.2	379.0	352.7	297.3	241.2
226.1	283.0	332.3	358.4	367.8	360.1	334.7	284.8	228.1

4 Feet Y-axis / 4 Feet X-axis

@ 48inch Measuring Height

174.0	199.7	218.0	227.3	231.2	227.9	219.1	199.6	172.9
181.5	204.6	223.9	234.8	239.5	235.2	224.9	204.9	180.8
181.5	213.1	230.6	243.5	249.8	244.1	231.8	213.5	186.1
194.1	218.3	236.0	249.9	256.0	250.1	236.8	217.9	191.4
193.4	219.3	238.1	252.2	257.3	251.6	238.3	218.6	191.8
191.4	216.4	234.1	248.2	253.3	247.7	234.3	216.0	190.4
191.4	209.5	226.0	239.4	244.9	238.9	227.3	210.0	184.0
177.3	199.4	217.5	227.8	232.1	227.6	217.6	199.7	176.7
167.2	191.3	207.4	216.4	220.1	216.7	208.1	191.5	167.2

4 Feet Y-axis / 4 Feet X-axis

Photometric Characteristics

Dimming Value %	PPF@277V (μmol/s)	PPE@277V (μmol/j)
100	1917	2.941
90	1785	2.959
80	1578	2.988
70	1394	3.0313
60	1212	3.041
50	1010	3.061
40	808.5	3.074

Dimming Curve vs. Efficiency

The Gavita CT 2000e 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.

Y-axis: 2.8, 2.85, 2.9, 2.95, 3, 3.05, 3.1
X-axis: 100%, 90%, 80%, 70%, 60%, 50%, 40%

Legend: PPE@208V, PPE@277V

Gavita® **CT** 2000e LED Summary

Input Voltage +/- 10%:	208 - 480 V
Input Watts +/- 7%:	650 W
Current:	3.125 A @ 208 V. 2.35 A @ 277 V. 1.35 A @ 480 V.
Heat Load:	835.3 Btu/hr
Frequency:	50/60 Hz
Power Factor:	> 0.90
Rating:	IP65 Suitable for Indoor Wet Locations
Dimensions:	24.6 x 12.1 x 5.1 in / 62.5 x 30.8 x 12.95 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® CT 2000e LED 208-480 V
- RJ45 Cap
- Dummy Plug
- 10ft RJ45 Dimming Cable
- Safety Wire
- Unistrut Hanger

ACCESSORIES *(Sold separately)***:**
- HGC906174 - Gavita EL3 Master controller
- HGC906708 - Gavita Daisy Chain T-Splitter

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

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