

Pro line

Gavita[®] Pro CT 1930e LED

FIXTURE PART NO: HGC 906740

With a footprint designed to fit seamlessly in existing HPS layouts, the CT 1930e is more than a massively energy efficient LED delivering serious growing power. It's designed to be the truest 1:1 replacement for 1000 W DE HPS fixtures like the Gavita Pro 1000e that revolutionized the industry nearly three decades ago. Plug-and-play compatibility with wiring for most indoor growing environments means this compact toplight is able to dramatically reduce the cost and downtime required, until now, to convert facilities of every size. The CT 1930e delivers more crop-loving light in a broader spectrum. All of this at up to 20% less energy savings than 1000 W DE HPS fixtures (based on average wattage of each fixture). *Compatible with both Gavita Master Controllers and most building automation systems.*

FEATURES:

- Massive 1930 μmol output for more crop-loving light at up to 20% energy savings vs. 1000 W DE HPS fixtures (energy savings based on average wattage of each fixture)
- Compact design fits right in most HPS layouts, reducing the pain when replacing hundreds at a time
- Plug-and-play installation for instant HPS conversions—little to no wiring required when paired with adapting cord (***sold separately***)
- Wide, even light distribution indiscernible from HPS light throw, with better uniformity.
- The first indoor-specific compact toplight crafted to serve as a primary light source
- Built-in surge suppression (6kV) to help protect the fixture in the case of a power surge
- Individual fixture thermal protection
- IP66 wet rating and ANSI/CAN/UL 8800 compliant
- Cold forged aluminum heat sink for maximized passive cooling
- DLC listed, demonstrating compliance with rigorous energy efficiency and safety standards
- 5 year limited warranty*
- Compatible with 0-10 volt building automation systems
- Add Gavita Master Controllers for convenient, centralized control
- ETL Listed
- Dim: 28.7 in x 11.8 in x 4 in
- Weight: 33.3 lb

Color Spectrum

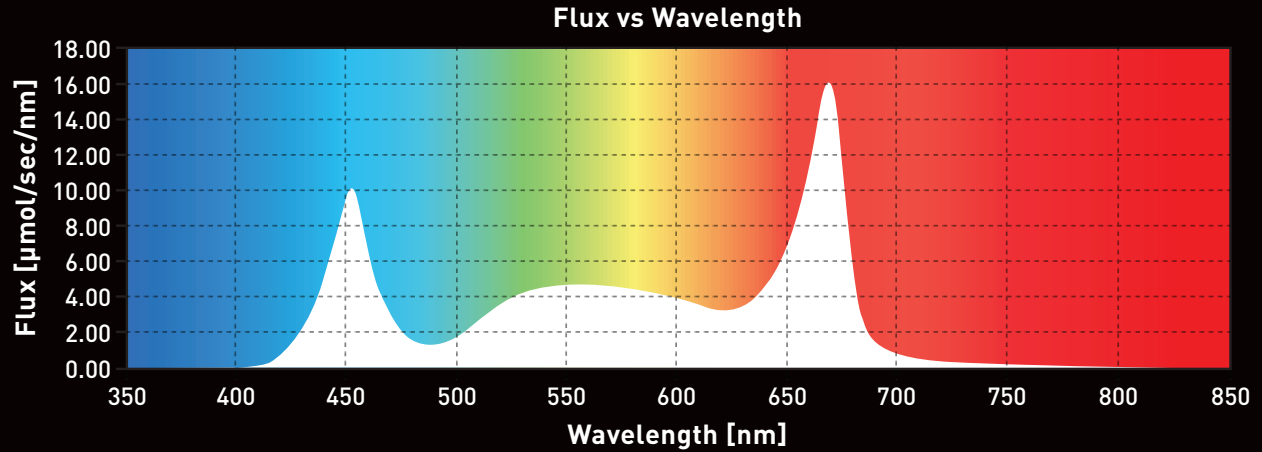
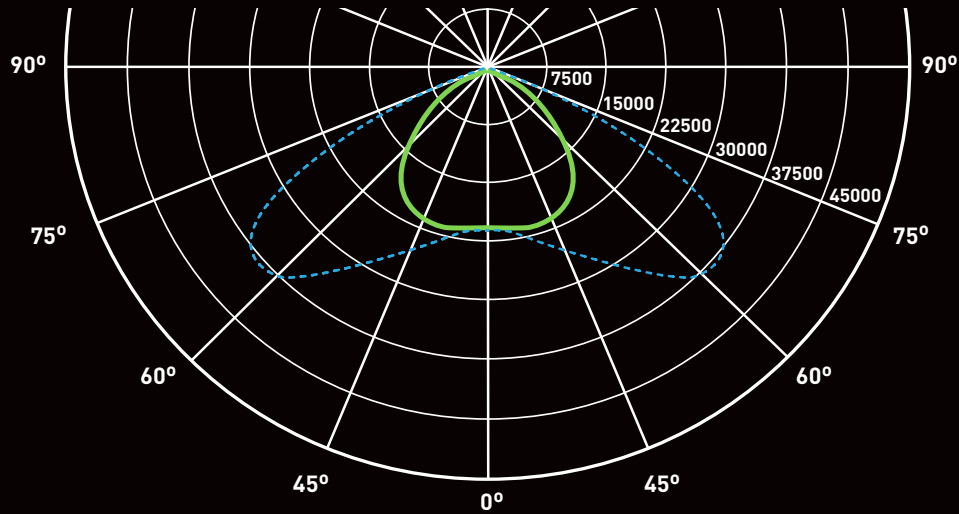


Photo Flux Summary Vs Wavelength Bands

	Wavelength Range [nm]	Photon Flux (μmol/sec)	Total Photon Flux/% of Total		Wavelength Range [nm]	Photon Flux (μmol/sec)	Total Photon Flux/% of Total
UV	350-359	0.701184	3.9906 μmol/sec 0.22%	RED	600-609	51.422819	808.63 μmol/sec 43.64%
	360-369	0.766569			610-619	45.998213	
	370-379	0.815675			620-629	45.366212	
	380-389	0.821570			630-639	55.268879	
	390-399	0.885592			640-649	76.997291	
BLUE	400-409	1.438969	434.8128 μmol/sec 23.47%	650-659	123.923447	34.3446 μmol/sec 1.85%	
	410-419	4.926570		660-669	199.359769		
	420-429	18.438321		670-679	154.126054		
	430-439	50.079064		680-689	41.000040		
	440-449	102.514843		690-699	15.167263		
	450-459	124.721169		700-709	8.922741		IR
	460-469	62.988753		710-719	6.357079		
	470-479	30.973750		720-729	4.834843		
	480-489	18.853796		730-739	3.737541		
	490-499	19.877562		740-749	2.914586		
GREEN	500-509	30.379019	568.5468 μmol/sec 30.68%	750-759	2.291472	2.6118 μmol/sec 0.14%	
	510-519	44.000309		760-769	1.809511		
	520-529	54.889908		770-779	1.428126		
	530-539	61.448411		780-789	1.137367		
	540-549	64.611346		790-799	0.911352		
	550-559	65.850789		800-809	0.733412		
	560-569	65.647023		810-819	0.597717		
	570-579	63.998714		820-829	0.495507		
	580-589	60.991927		830-839	0.410176		
	590-599	56.729400		840-850	0.374941		

Light Distribution - Candela Distribution Chart



■ 180 Deg. Plane
 - - - 270 Deg. Plane
 ■ 0 Deg. Plane
 - - - 90 Deg. Plane

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

46.6	49.8	54.5	59.0	65.7	67.2	76.0	72.1	76.0	79.2	76.5	73.3	67.6	62.1	56.8	48.4	43.2	4FT
64.6	67.6	75.0	83.3	92.6	94.6	101.7	100.0	107.6	112.8	108.7	102.8	96.2	88.5	81.3	74.2	59.7	3.5
87.9	93.9	104.2	113.8	125.7	129.9	139.7	136.5	149.3	151.9	147.7	139.5	129.3	117.5	100.0	85.9	77.3	3
114.5	124.4	138.4	154.1	162.8	174.6	187.6	187.9	194.2	198.6	189.0	175.4	159.3	139.8	125.2	113.0	100.3	2.5
143.0	158.8	177.0	200.0	209.2	219.8	235.8	240.5	248.6	247.9	238.7	222.8	206.5	192.4	167.1	143.5	121.1	2
169.4	199.5	212.2	239.6	250.4	264.5	282.8	289.9	296.9	294.1	285.1	266.3	242.7	216.2	191.9	170.3	146.4	1.5
191.0	224.9	245.3	256.4	287.5	303.7	323.4	334.1	336.8	329.7	320.1	301.9	279.4	255.2	226.0	193.7	162.8	1
209.1	241.5	266.4	284.3	312.5	329.1	349.6	361.6	362.2	352.9	341.3	323.4	298.4	270.4	241.9	213.3	180.4	0.5
209.4	237.9	265.3	286.0	309.6	332.2	351.0	367.2	365.4	359.9	351.3	337.3	318.9	289.8	258.3	224.6	185.2	0
215.2	249.0	277.2	293.8	305.8	322.2	342.7	356.4	356.0	346.7	336.7	329.6	312.6	288.3	261.5	233.8	186.5	0.5
185.7	212.4	236.2	258.6	272.7	292.1	312.0	325.7	326.2	313.3	303.9	297.4	278.4	262.1	246.2	220.7	175.4	1
168.7	191.4	213.9	231.0	246.5	262.1	275.9	286.9	285.6	271.6	262.6	257.7	240.0	225.4	216.4	198.0	159.2	1.5
139.0	156.7	174.0	192.2	206.6	221.6	236.8	246.6	240.3	225.4	218.7	213.6	199.0	202.0	183.7	151.7	144.1	2
115.7	130.0	142.5	154.7	169.4	184.8	194.3	201.1	195.9	180.6	176.2	170.1	166.2	159.4	147.1	124.4	112.0	2.5
92.7	100.9	113.0	123.9	133.4	142.1	150.6	154.8	151.7	141.6	132.5	128.5	122.4	121.3	113.7	96.1	90.1	3
71.0	78.7	84.9	88.7	94.9	100.6	107.6	113.2	109.9	104.8	95.7	93.6	85.5	84.5	80.9	73.1	64.8	3.5
49.9	54.3	60.3	65.4	70.6	75.5	79.0	81.0	78.2	76.0	70.3	67.6	59.5	58.5	55.1	52.0	48.2	4FT
4FT	3.5	3	2.5	2	1.5	1	0.5	0	0.5	1	1.5	2	2.5	3	3.5	4FT	

Maximum PPFD: 367.2 $\mu\text{mol}/\text{sec}/\text{m}^2$ Uniformity (min/max): 0.12
 Minimum PPFD: 43.2 $\mu\text{mol}/\text{sec}/\text{m}^2$ Uniformity (min/ave): 0.23
 Average PPFD: 185.3 $\mu\text{mol}/\text{sec}/\text{m}^2$ Maximum DLI: 31.7 $\text{mol}/\text{m}^2/\text{day}$

Power: 801.3 W

Gavita® Pro CT 1930e LED Summary

Input Voltage:	120 - 277 V	
Input Watts:	780 W	
Current:	6.6 - 2.9 A	
Heat Load:	2,661 Btu/hr	
Frequency:	50/60 Hz	
Power Factor:	> 0.95	
Ambient Temp:	32-104° F (0-40° C)	
Voltage THD:	277 V: 1.40%	347 V: 1.30%
Current THD:	277 V: 3.70%	400 V: 4.30%
Rating:	IP66	
Mounting:	Hangers and Unistrut Bracket	
Weight:	33.07 lb/15 kg	
Dimensions:	29 in x 11.8 in x 3.9 in	
Certifications:	ANSI/CAN/UL 8800	
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, 3204 NW 38th Circle, Vancouver, WA 98660., Attn: Customer Service.

INCLUDED IN THE BOX:

- HGC906740 - Gavita CT 1930e LED
- 2x Metal Brackets
- Wire Hanger

ACCESSORIES (Sold separately):

- HGC906120 - Gavita Master Controller EL1 - Gen 2
- HGC906121 - Gavita Master Controller EL2 - Gen 2
- 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
- HGC906149 - Gavita 8 ft Power Cord 277 Volt for LED
- HGC906458 - Gavita 8 ft Power Cord 277-400 Volt for Gavita LED

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