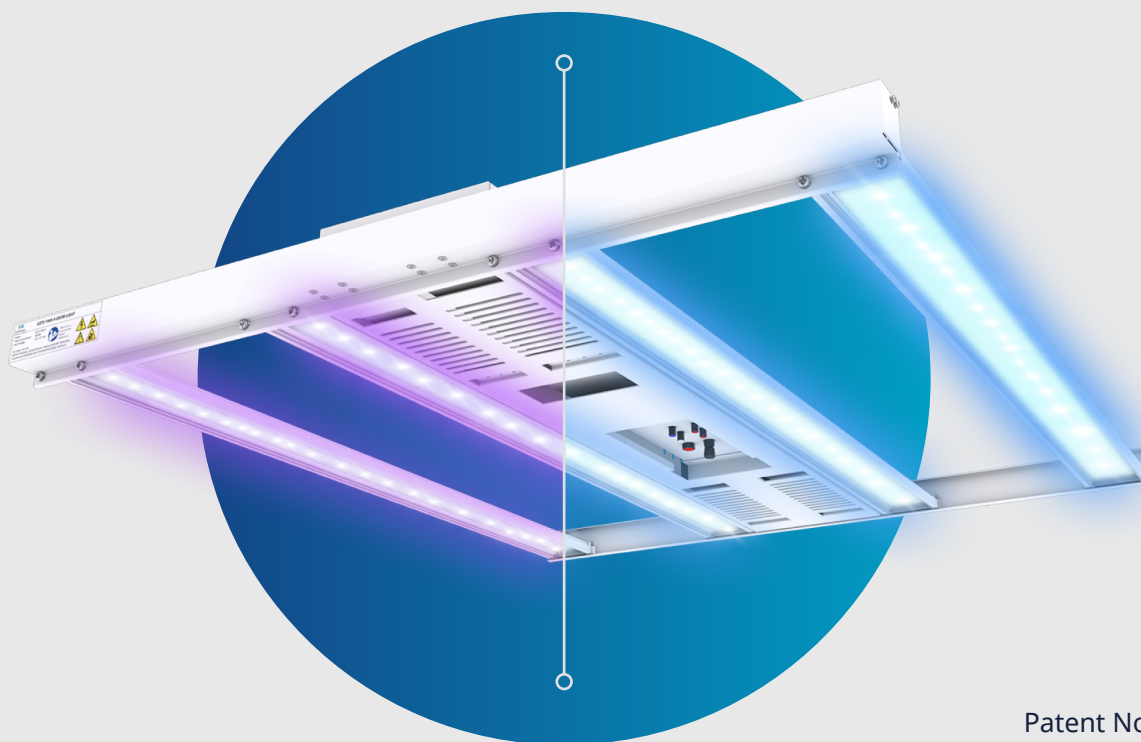


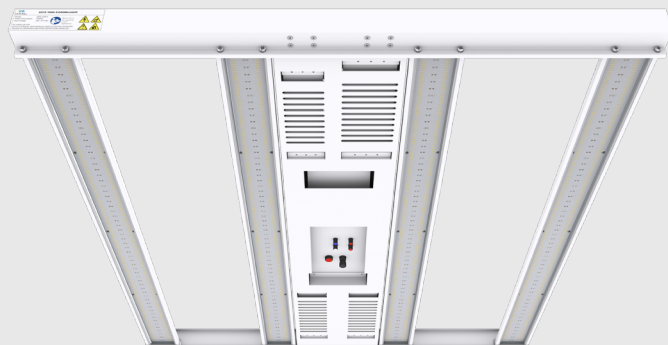
AGT1000

SPEC SHEET

The **AGT1000** is a patented Liquid Cooled and Spectrum Control LED grow light built to increase yield and improve overall quality for commercial cannabis cultivation. Powerful, efficient and customizable to meet your specific needs.



Designed for Single-Tier Grow Rooms Sole-Source Horticulture Light



Photon Flux (PPF)



2,416 $\mu\text{mol/s}$

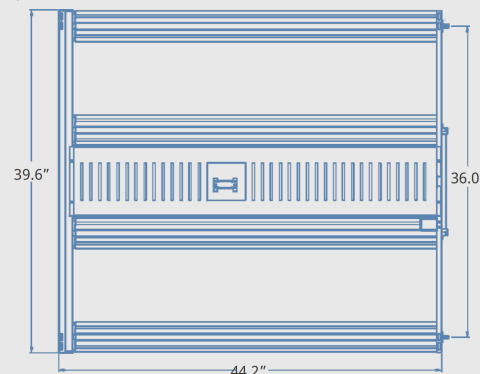
*Includes Extended Range
700-800 nm

Total Coverage



5' x 5'

Top View



Side View



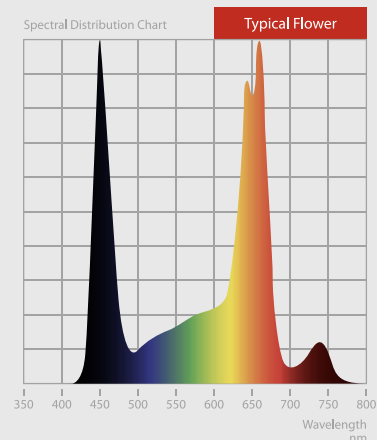
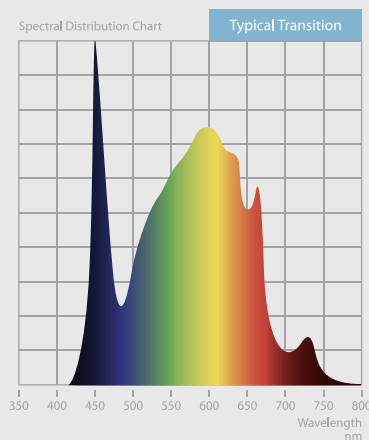
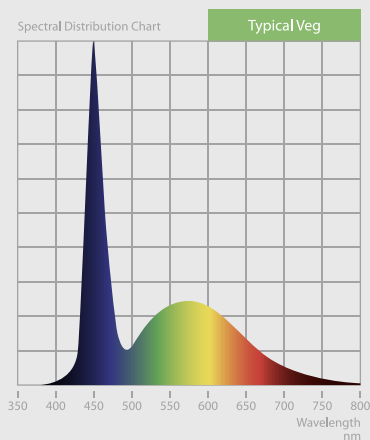
Dimensions

Width: 39.6" (1,006mm) **Height:** 3.4" (86mm)

Length: 44.2" (1,123mm) **Weight:** 56lbs (25.4kg)

Spectral Distribution

The light spectrum range is optimized for cannabis cultivation, 400nm - 800nm. Captures the "Emerson Effect" - simultaneously giving plants both red and far-red spectrum to increase yield and quality.



Infinite Spectrum Control

Enables customization of light spectrum and intensity, allowing grower to create unique light recipes for specific genetics and stages of plant growth.



Remove Light Waste Heat

Liquid Cooled LEDs removes up to 90% of wasted heat out of grow environment, stabilizing the room ambient temperature.

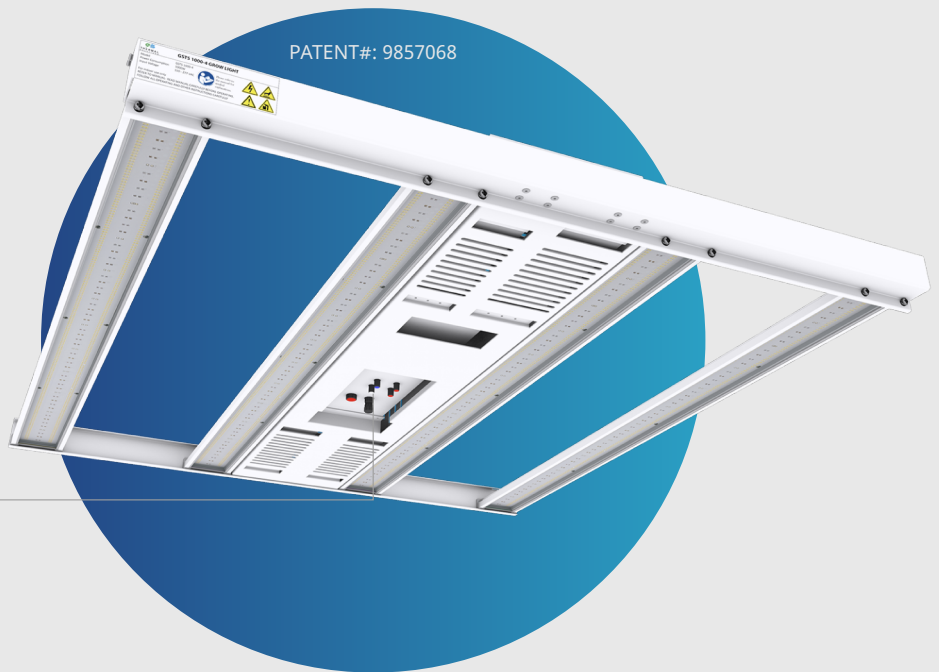
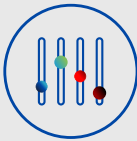


Heat Reclamation

Excess waste heat from Liquid Cooled LEDs can be reclaimed & re-purposed to further improve overall system efficiency.

MANUAL CONTROL

4 fully adjustable spectrum channels
(White, Blue, Red, Orange)
Spectrum (400nm – 800nm)



SAAM CONTROL PLATFORM

Remotely control every light fixture
in your facility: spectrum & intensity;
light scheduling. Save, store, and
easily reuse light recipes.

Each channel can be adjusted between 5% (minimum) to 100% (max)

AGT 1000W GENERAL DATA

Unit Model	AGT 1000
Power Consumption	60W – 950W
Current (Max)	7.9A @ 120VAC 4A @ 240VAC 3.4A @ 277VAC
PPE (400nm - 800nm)	2.53 µmol/j
PPE PAR (400nm - 700nm)	2.22 µmol/j
PPF (400nm - 800nm)	2,416
PPF (400nm - 700nm)	2,119
Control Protocol	DMX 512
Plugin Power	12VDC (20W Max)
Light Coverage Area	5' x 5'
Mounting Height (Min)	18" (From Canopy)
Cooling Media	Water + Corrosion Inhibitor
Target Flow Rate	.3 ± 0.05 GPM
Pressure Drop Req	8 PSI @ Room Level
Liquid Heat Rejection	~380 Watt (1297 Btu/hr)
Operation Weight	56 lbs

AGT 1000W SPECIFICATIONS

Efficiency	2.53 µmol/J
Light Spectrum	400nm - 780nm
Certifications	UL1598, UL8800, UL8750
Warranty	5 Year Standard Warranty
Communication	DMX (Adapts to all major control protocols)
Plug-in	12VDC, 20 Watt Max
Power	950W (Controllable 60W - 950W)
Voltage	120VAC - 277VAC
Ingress Protection	IP65 (Dust tight and waterproof)
Life Expectancy	150,000+ Hrs
Liquid Heat Rejection (max)	~380 Watt (1297 Btu/hr)
Solution Type	Water & Propylene Glycol Mix
Self Cut-Off Inlet Temp	167°F(75°C)
Max. Operation Inlet Temp	120°F(48.78°C)
Min. Operation Inlet Temp	65°F(18.33°C)
Max Operation Ambient Temp	110°F(43.3°C)
Targeted Inlet Temp	90°F(32.2°C)

AGT 1000W SPECTRUM SPECIFICATIONS

CONTROL DIALS	L.E.D.	PART NUMBER	DRIVER	PART NUMBER
White Dial	Cool White 5000K	STW8A12D-E3	MeanWell	HLG-320H-36B
White Dial	Warm White 2700K	STW8A12D-E3	MeanWell	HLG-320H-36B
Blue Dial	Blue 450nm	GD CSSRM2.14	MeanWell	HLG-150H-36B
Red Dial	Hyper Red 660nm	GH CSSRM3.24	MeanWell	HLG-240H-30B
Orange Dial	Far-Red 730nm	GF CS8PM2.24	MeanWell	HLG-240H-30B
Orange Dial	Red 630nm	GR CS8PM1.23	MeanWell	HLG-240H-30B

For more information or to set up a consultation
with our experts, contact us today.

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