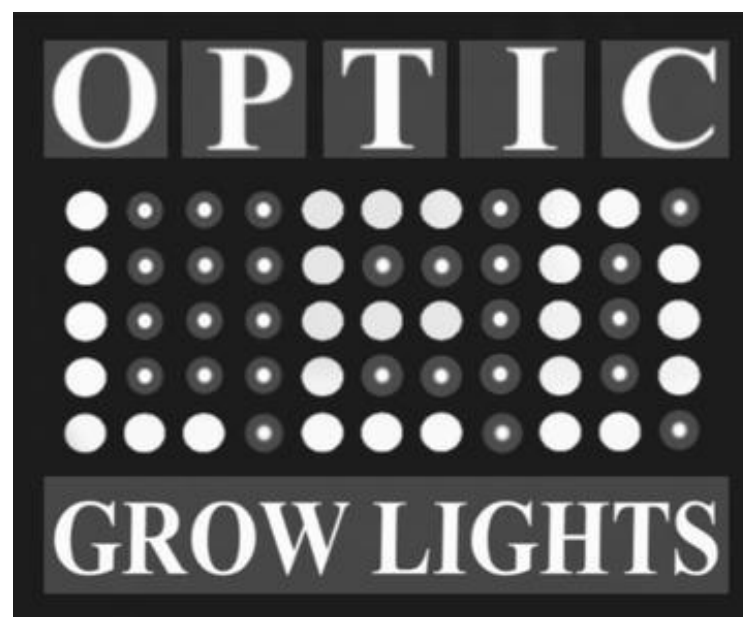
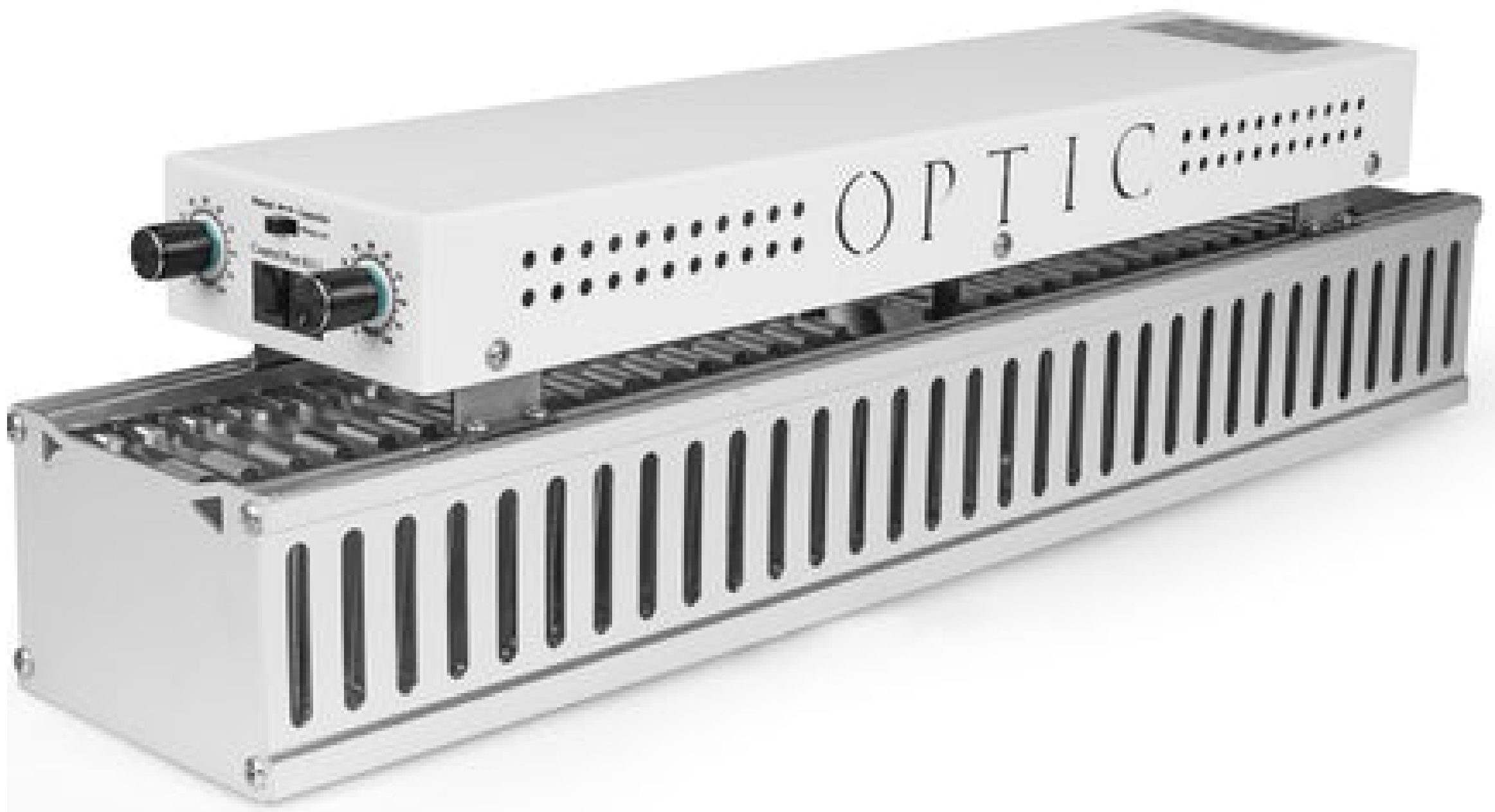


Optic LED Grow Lights

GMAX 300

Owner's Manual



**11921 Canyon Rd
Puyallup, WA 98373
(253 881-1355**

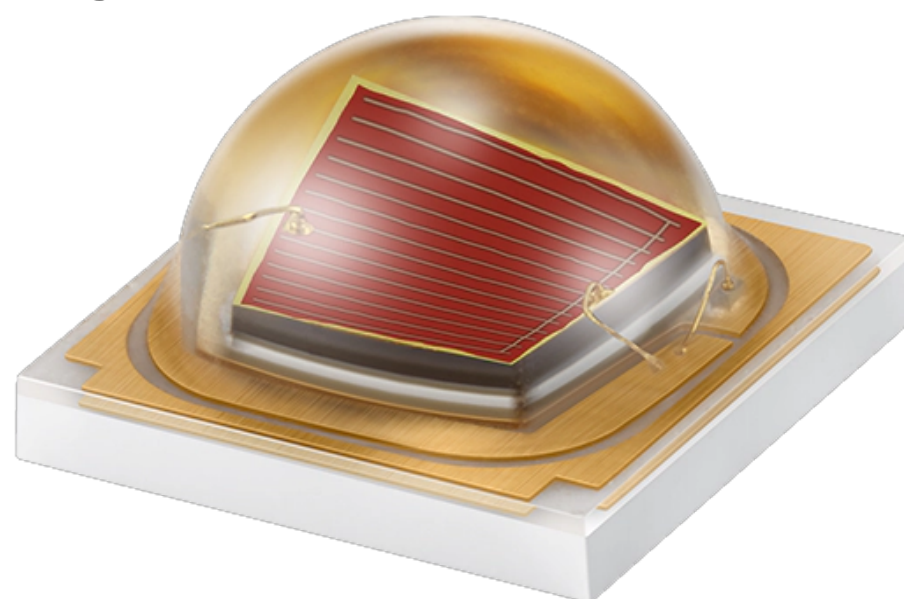
GMAX 300



Overview

GMax 300 delivers the most advanced Green House LED Grow Light Experience on the Planet. 1 Touch Screen gives you full control over multiple GMAX Lights so you can fine-tune your lighting system with the Programmable Dimmers, Spectrum Control & Auto Sunrise. Your Gmax 300 Lighting System is fully versatile to grow any type of plants or Crops at any stage in their life cycles and do it at the highest level of performance possible between the Programmable Dimmers so you can set any level of light intensity for any point during the day & Spectrum Controls.

GMax 300 is Equipped with the Latest in Horticulture LED Technology from Samsung with their new V2 LH351H Deep Red LEDs (3.75 umols/J) which weren't expected to hit the mainstream until 2022, LH351H Royal Blue LEDs, and the LM301H full spectrum White light LEDs. GMax 300 sets the new standard for greenhouse-style LED Grow Lights with Double Dimmer Spectrum Control and Controller Ports so you can control all of your lights together from 1 touchscreen and showcase the Auto Sunrise in your grow space.



NEW! Samsung LH351H V2 - 3.75 umols/j

GMAX 300

Specifications

GMAX 300 Specifications:

HID/HPS Equivalent: 600w HPS

Kelvin: 3500K DayLight White

IP Rating: IP65 Waterproof - Green House Rated

PAR Efficacy: 3.0 umols/j

PPF : 2,903 umols

Master Controller: Compatible with Touch Screen Master Controller (2 ports)

Actual Power Draw: 300 Watts

LEDs per Watt: 2.6

Amps: 3 Amps at 120v (1.5Amp @240v)

Lifetime: 100,000 Hours+

Warranty: 10 Years full warranty - Lifetime warranty on Meanwell Driver

Release Date: August 2021

Shipping: Free Shipping to 30+ countries

Light Fixtures: GMAX 300

Cables: 6 Foot power cord, rope ratchets, and cables included.

Plug: USA, CANADA, EURO, Commercial, Industrial, etc.

(We automatically ship the correct cord for your country)

Dimming: 0-100% Dimming Capabilities (Dimmer Included)

(Works with external touchscreen Master Controller

Dimensions: 22" x 4.5" x 6"

Fixture Weight: 12lbs

Shipping Weight: 14lbs

Grams Per Watt: up to 2.8

Yield: Up to 840 grams / 30 oz / 1.87lbs

Hanger: Comes with adjustable rope ratchets.

Recommended for: Closet Grow, Cabinet Grow & Grow Tents. & Green Houses

***International Shipments may require Taxes & Duties. Contact us for a quote!**

Sales@OpticLEDGrowLights.com - GMax 300 Patent Pending.



GMAX 300

Coverage Footprint

Flower:

1 Unit

3' x 3' area (.9m x .9m)

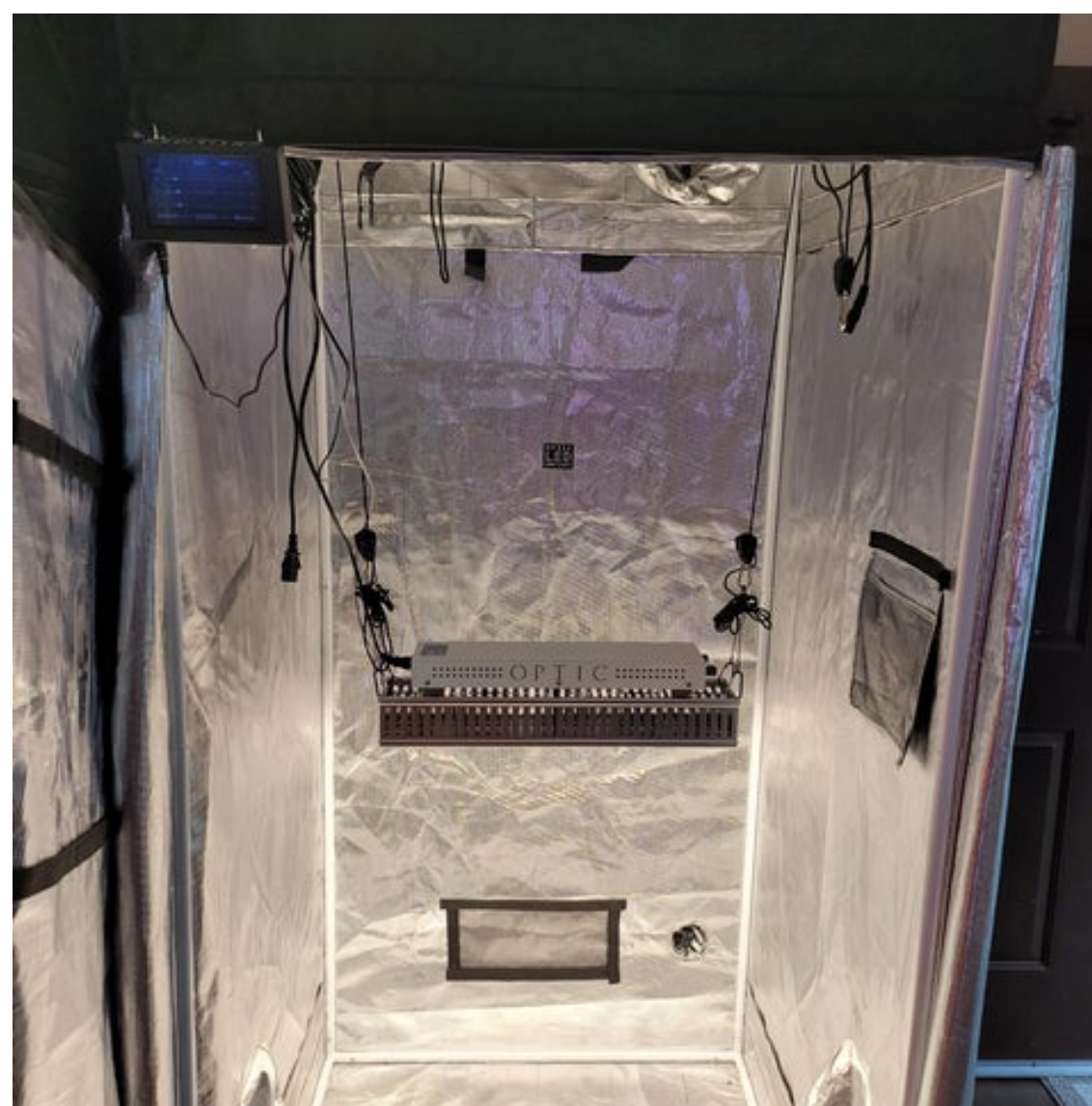
2' x 4' area (.6m x 1.2m)

2 Units

4' x 4' area (1.2m x 1.2m)

Hanging Height :

Flower: 10"-24"



**Pro Tips: Wk1-3 @20"-30" - Wk4-6 @18"-24" -
Wk7-10 @12"-15"**

Veg: 24" - 30" (@ 50% Power)

Seedling: 24" (Dimmed Down @ 35%)

Dimmers : 2

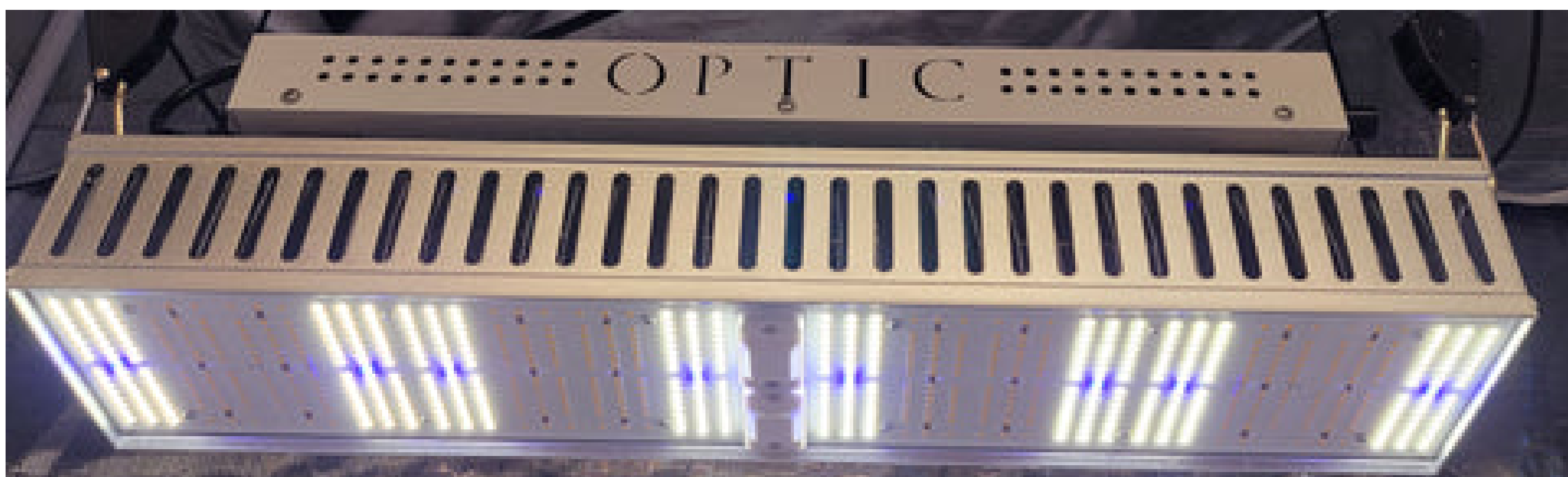
Dimmability: 0% - 100%

GMAX 300

Dimmability



Dimmer#1 - Deep RED, UV, IR & Warm White LEDs



Dimmer#2 - Royal Blue & Cool White LEDs

Components

LEDs: 780 Total

White LEDs:

- 744 Samsung LM301H Horticulture series 3500k

Bloom Enhancers:

- 24 Samsung LH351H V2 660nm Deep Red LEDs -
- 8 Samsung LH351H 450nm Royal Blues LEDs -
- 2 IR and 2 UV LEDs

Optics :

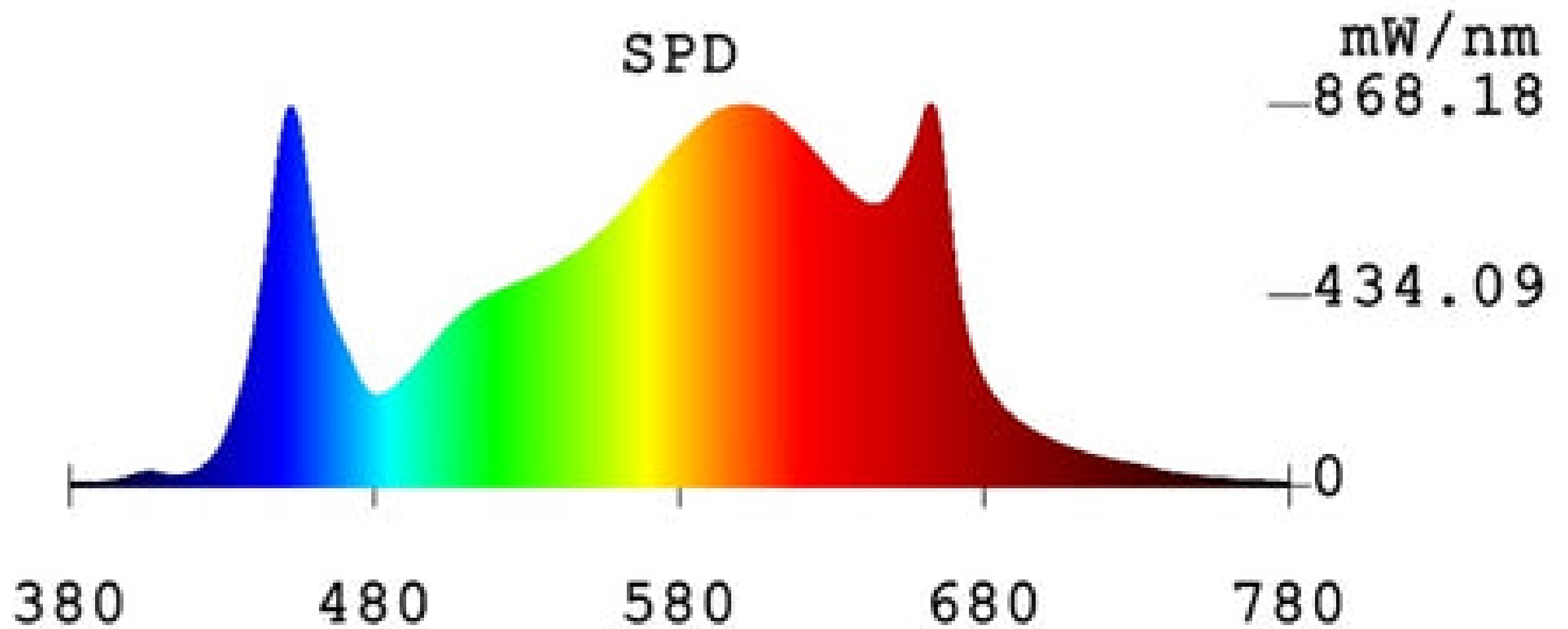
Samsung LM301H White LEDs: 120 Degree Primary Lens

LH351H V2 660nm Deep Reds: 120 Degree Wide Beam Primary Lens

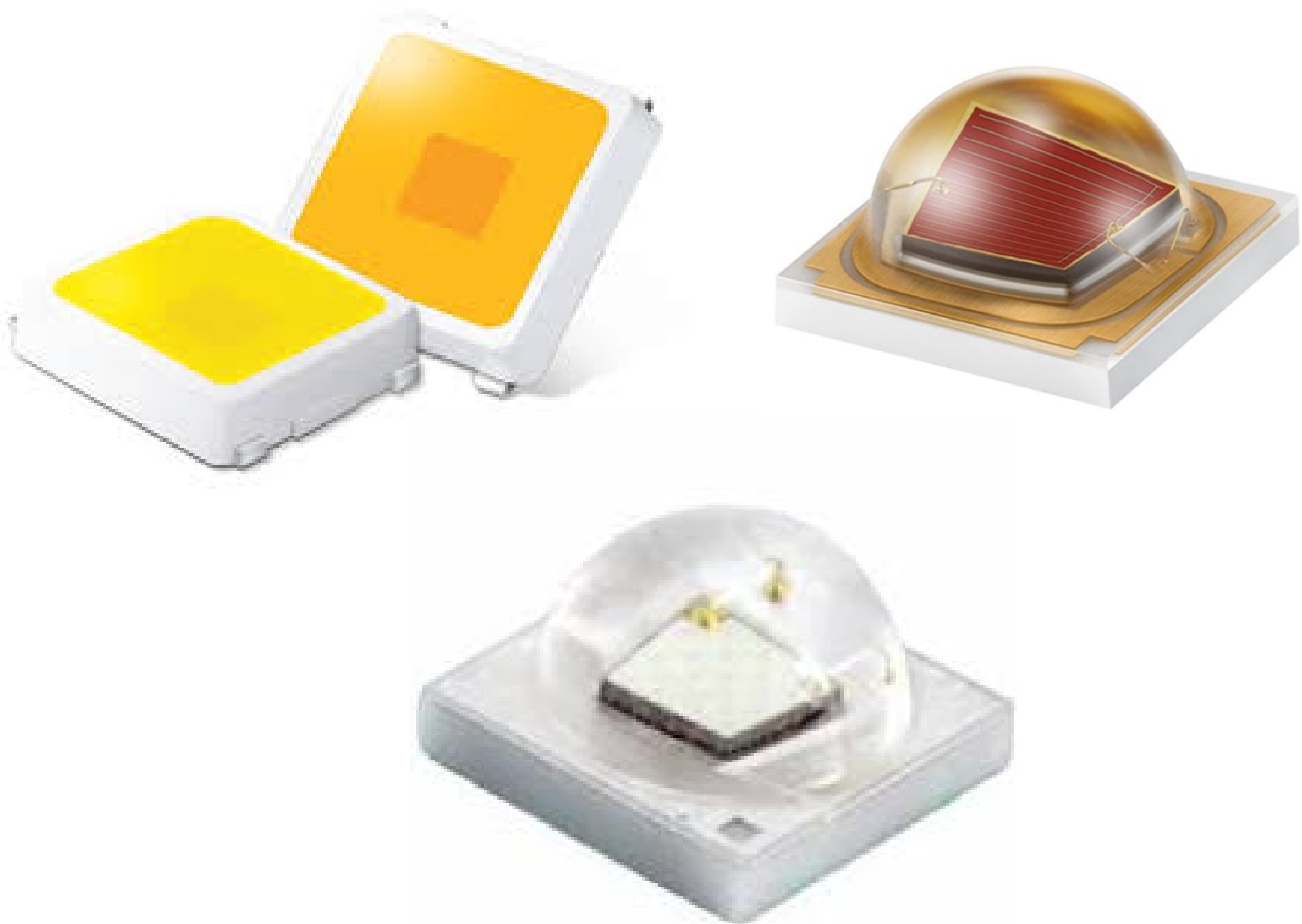
LH351H 450nm Royal Blues: 120 Degree Wide Beam Primary Lens

GMAX 300

Spectrum



Spectrum:
Full Spectrum White Light 3500k (Mixed White Light LEDs) (Full Power on 2 dimmers)
+ 660nm Deep RED + 450nm Royal Blue + ultraviolet + Infrared



GMAX 300

PPFD Gmax 300 in 3x3

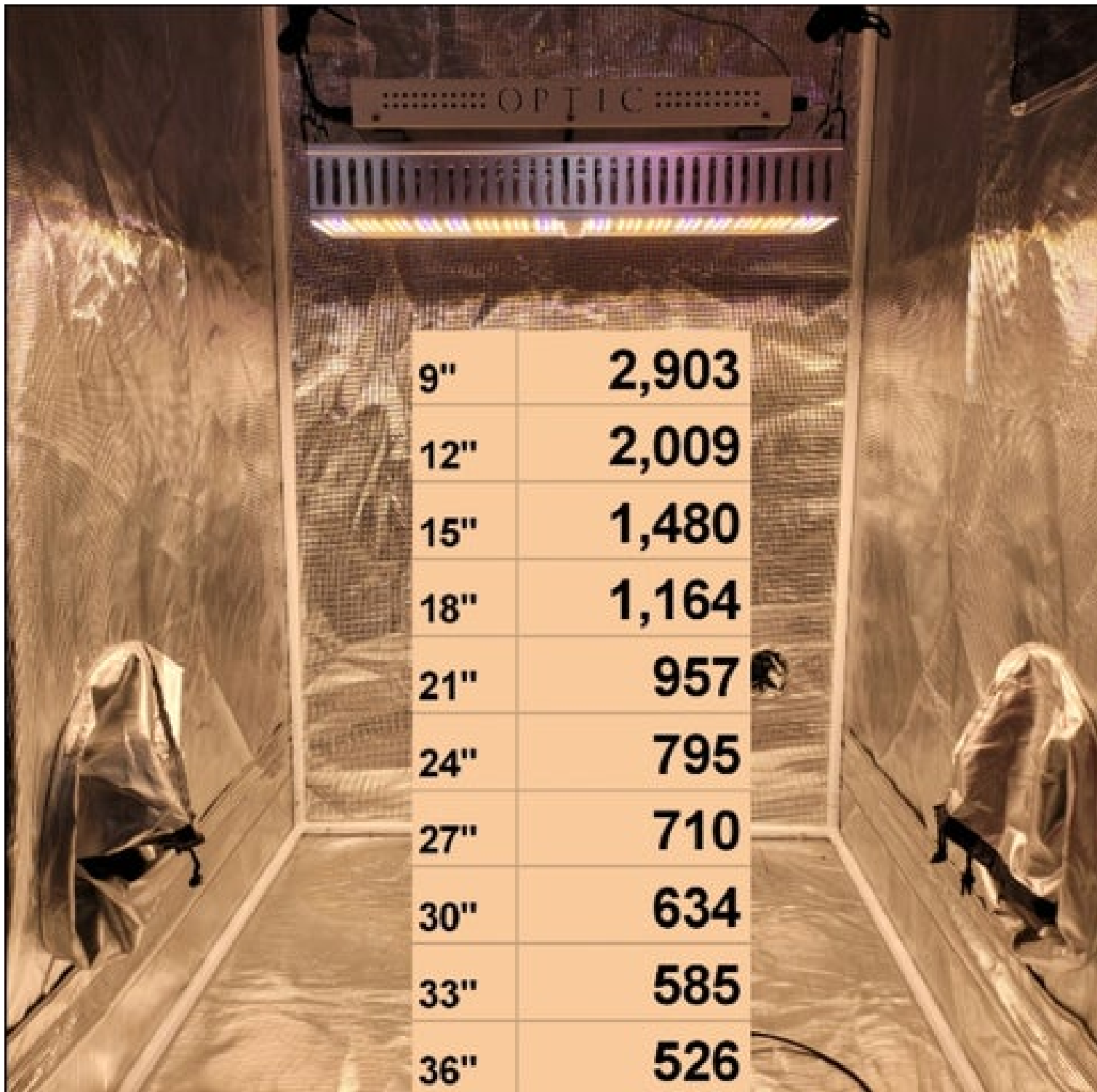
10" Hanging Height PPFD: 1,085

495	603	600	646	560	508
647	1014	1240	1150	1140	704
1254	1716	2078	2069	1708	1147
1184	1789	2059	2014	1844	1120
700	1051	1180	1136	1121	724
510	671	712	790	692	503

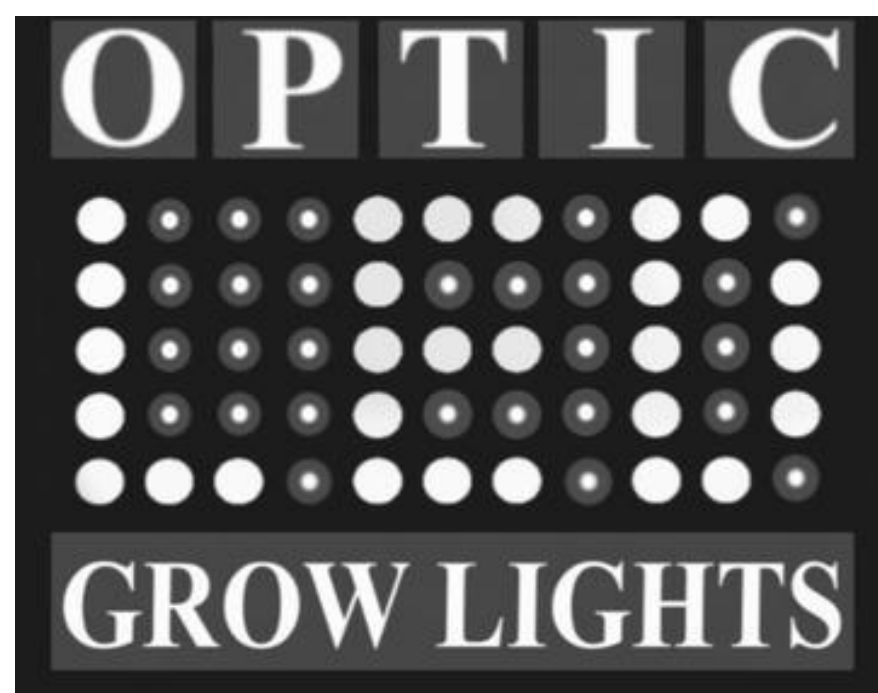
18" Hanging Height PPFD:

554	623	663	655	608	581
644	817	852	823	784	652
759	920	1141	1147	990	780
774	919	1160	1144	1007	766
684	760	901	888	760	672
578	604	653	657	614	595

Vertical PAR OutPut:



GMAX 300



OpticLEDGrowLights.com

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