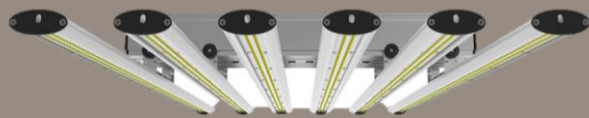




GRUNHAUS

HORTICULTURE PRODUCTS

LED plant grow light



The GrunHaus is suitable for all phases of plant growth and works well for both water solution culture and soil culture. Its ideal for vegetative-stage and top lighting solution for commercial applications. Can be used in pot culture, house garden, sowing, breeding, farm, flower exhibition, bonsai, green house cultivation, pipeline cultivation and so on.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277Vac

Power factor 0.9

Total harmonic distortion (THD) <20%

Dimming 0-10V external dimming down to 10% with -APP model only.

PERFORMANCE

PPF (PHOTON FLUX) 85W : 212 $\mu\text{mol}/\text{S}$

500W : 1250 $\mu\text{mol}/\text{S}$

640W : 1600 $\mu\text{mol}/\text{S}$

EFFICACY 85W: 2.49 $\mu\text{mol}/\text{J}$

500W: 2.5 $\mu\text{mol}/\text{J}$

640W: 2.5 $\mu\text{mol}/\text{J}$

Ratio 7/2/1, 6/3/1 [IR/UV/WHITE]

Power 85, 500, 640W

Beam angle 120°

MECHANICAL & HOUSING

Housing Extruded aluminum housing for superior heat dissipation, strength, and rigidity. Thermal-management system built directly into fixture housing for long lasting LEDs and driver function.

Finish Clear Anodized Aluminum

Power Supply Factory wired electronic LED driver

APPLICATION CONDITION

Ambient temperature range -20 to 45°C

Protection IP55, High-humidity

COMPATIBLE MOUNTING

Mounting Power box bracket

WARRANTY

System warranty 3 years

Lumen maintenance Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 50,000 hours)

ORDERING GUIDE

EXAMPLE: AE-LT-ST85W-UVSP1

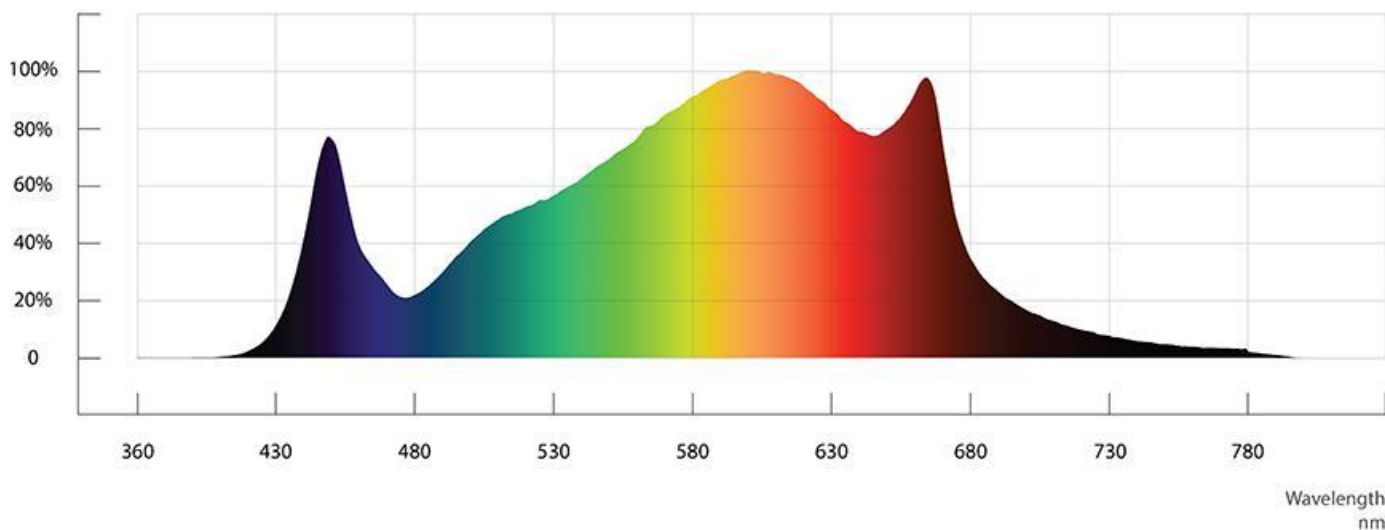
AE-LT-ST	85W-	UV	SP1	
FIXTURE FAMILY	WATTAGE	VOLTAGE	LIGHT RECIPES (nm)	CONTROLS
AE-LT-ST Manufactured for Aeralux GrunHaus LED plant grow light	85W- 85 watts	UV 120-277Vac input voltage range	SP1 Spectrum 1 [7/2/1]	[LEAVE BLANK] No dimming
	500W- 500 watts			
	640W- 640 watts		SP2 Spectrum 2 [6/3/1]	-APP 0-10V external dimming down to 10%



SPECTRUMS

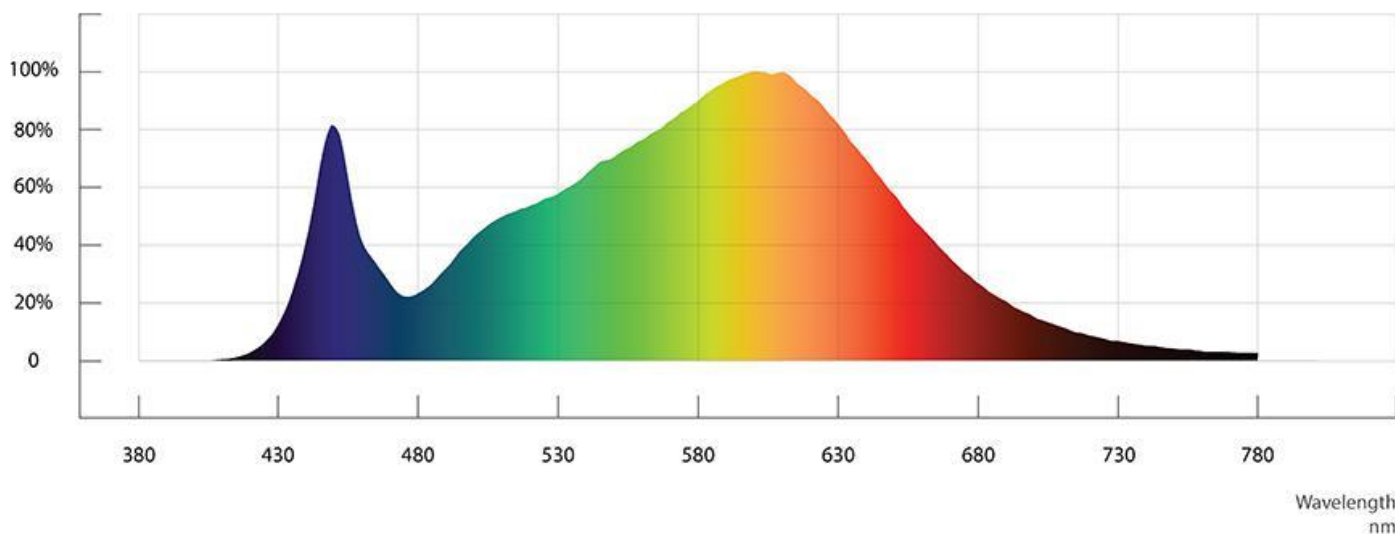
Spectrum Curve – Type 1: Higher molar value and mainly used to grow plants like cannabis, vegetables, fruits, flowers etc.

Measurements of Normalized
Photosynthetic Photon Flux



Spectrum Curve – Type 2: Promotes the growth of plant veins mainly used for plant wall applications

Measurements of Normalized
Photosynthetic Photon Flux

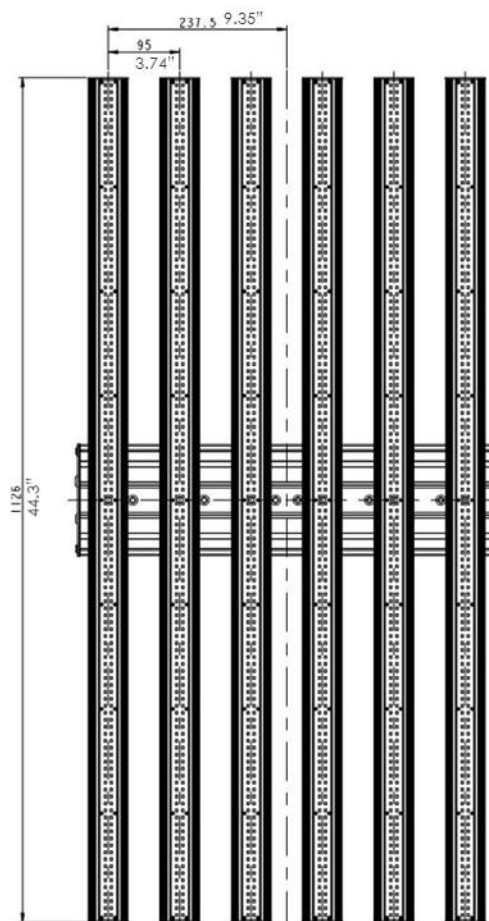
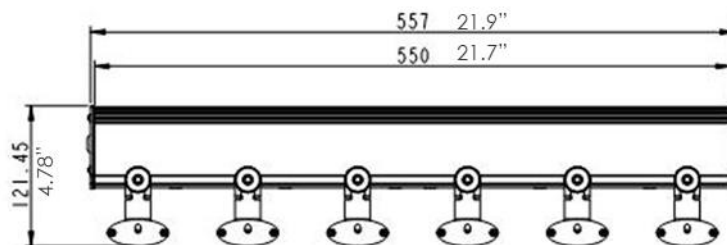


values are typical values when measured under normal laboratory conditions.

PRODUCT DIMENSIONS

AE-LT-ST500W-UV

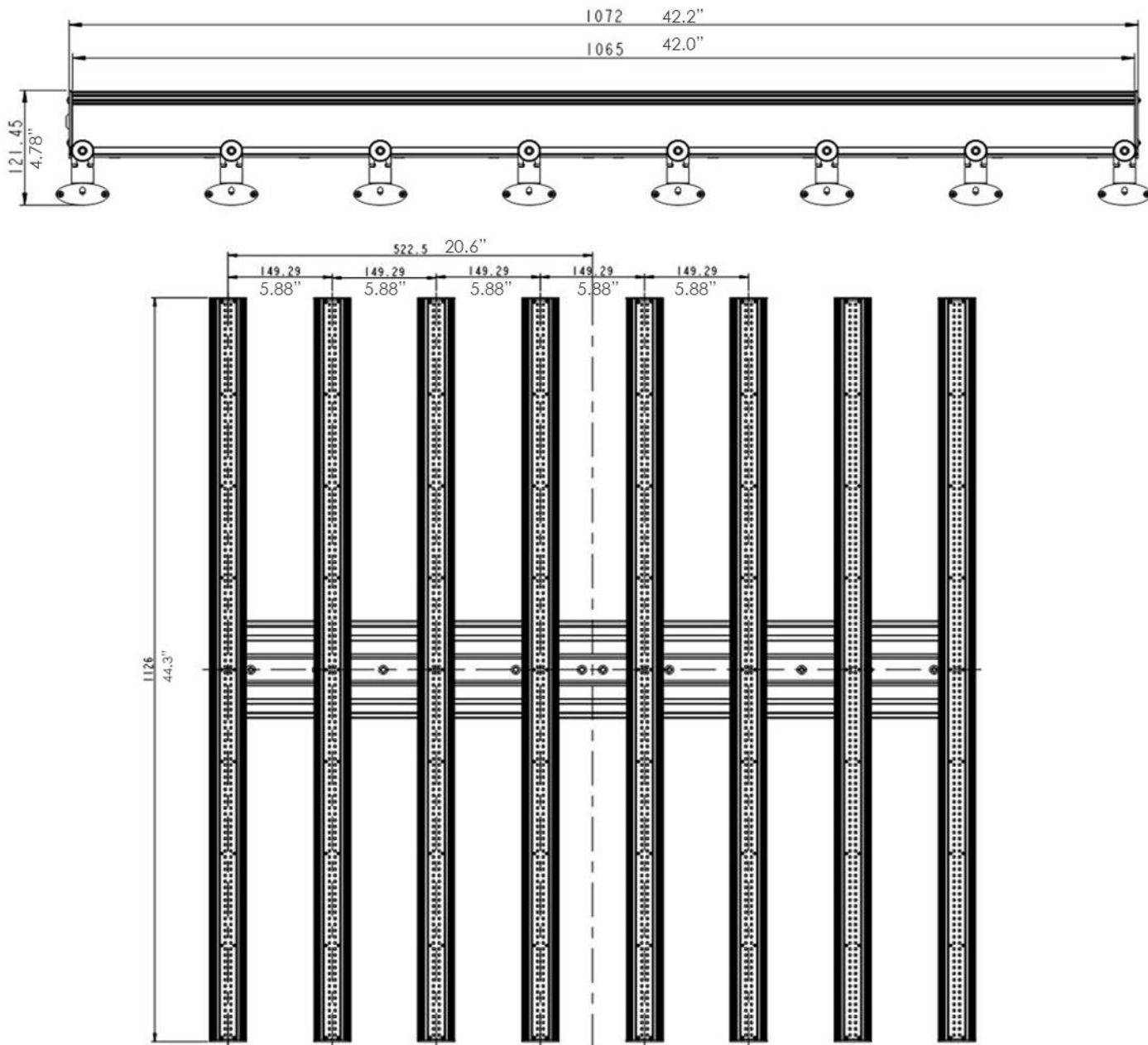
500W



PRODUCT DIMENSIONS

AE-LT-ST640W-UV

640W

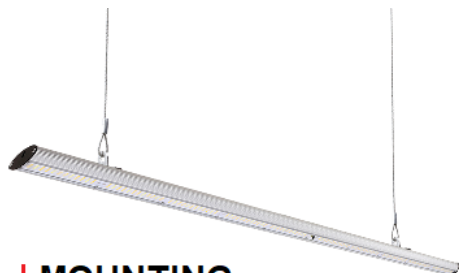




GRUNHAUS

HORTICULTURE PRODUCTS

LED plant grow light



MOUNTING

Suspend using conventional suspension cables or surface mount flush with junction box.

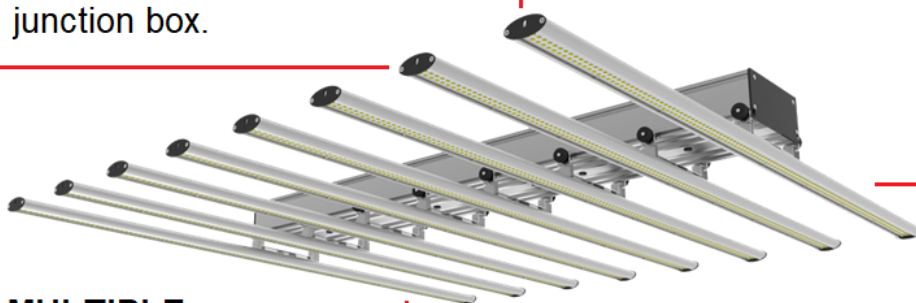


APPLICATIONS

Used in large scale growth operations or even for personal home indoor gardens.

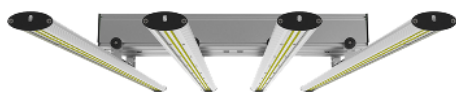
PREMIUM DESIGN AND MATERIALS

Extruded aluminum housing provides optimal thermal heat dissipation ensuring long lasting LED and driver function



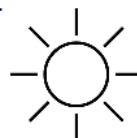
MULTIPLE CONFIGURATIONS

Multiple wattage sizes available for different power levels.



MULTIPLE LIGHT SPECTRUMS

Choose from 2 light spectrums that target different plant types for optimal growth.



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