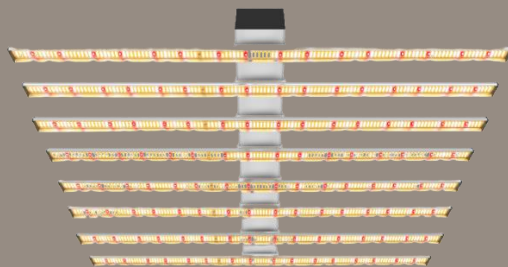




GRUNHAUS Next Gen

HORTICULTURE PRODUCTS

LED plant grow light



The GrunHaus Next Gen with 2.9umol/j and up to 2898 umol/j is designed for optimal cannabis growth and is also 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 dimming down to 10%

PERFORMANCE

PPF
 640W : 1856 $\mu\text{mol/S}$
 1000W : 2898 $\mu\text{mol/S}$

EFFICACY 2.9 $\mu\text{mol/J}$

Power 640W, 1000W
Beam angle 120°

MECHANICAL & HOUSING

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

APPLICATION CONDITION

Ambient temperature range -20 to 45°C
Protection IP54

COMPATIBLE MOUNTING

Mounting Suspended

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)

Power Supply Factory wired electronic LED driver

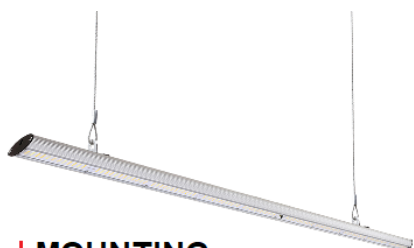
ORDERING GUIDE

EXAMPLE: AE-LT-CT-640W-UVSP1

AE-LT-CT	640W-	UV	SP1	
FIXTURE FAMILY	WATTAGE	VOLTAGE	LIGHT RECIPES (nm)	CONTROLS
AE-LT-CT Manufactured for Aeralux Grunhaus Next Gen LED plant grow light	85W- 85 watts	UV 120-277Vac input voltage range	SP1 Spectrum 1	[LEAVE BLANK] No dimming
	640W- 640 watts			
	1000W- 1000 watts		SP2 Spectrum 2	-APP 0-10V external dimming down to 10%

Accessories

Dimming App Controller: AE-DE-SCP-01



MOUNTING

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

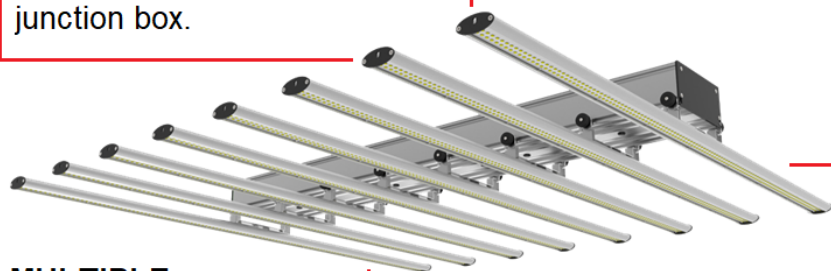
APPLICATIONS

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

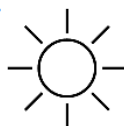


MULTIPLE CONFIGURATIONS

Multiple wattage sizes available for different power levels.

MULTIPLE LIGHT SPECTRUMS

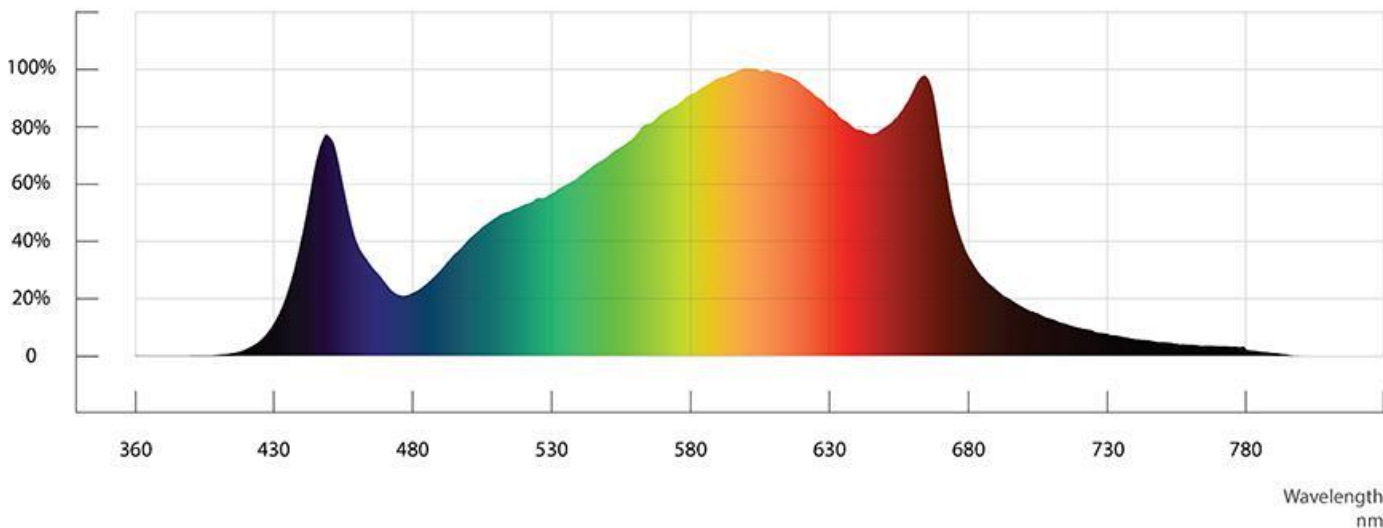
Choose from 2 light spectrums that target different plant types for optimal growth.



SPECTRUMS

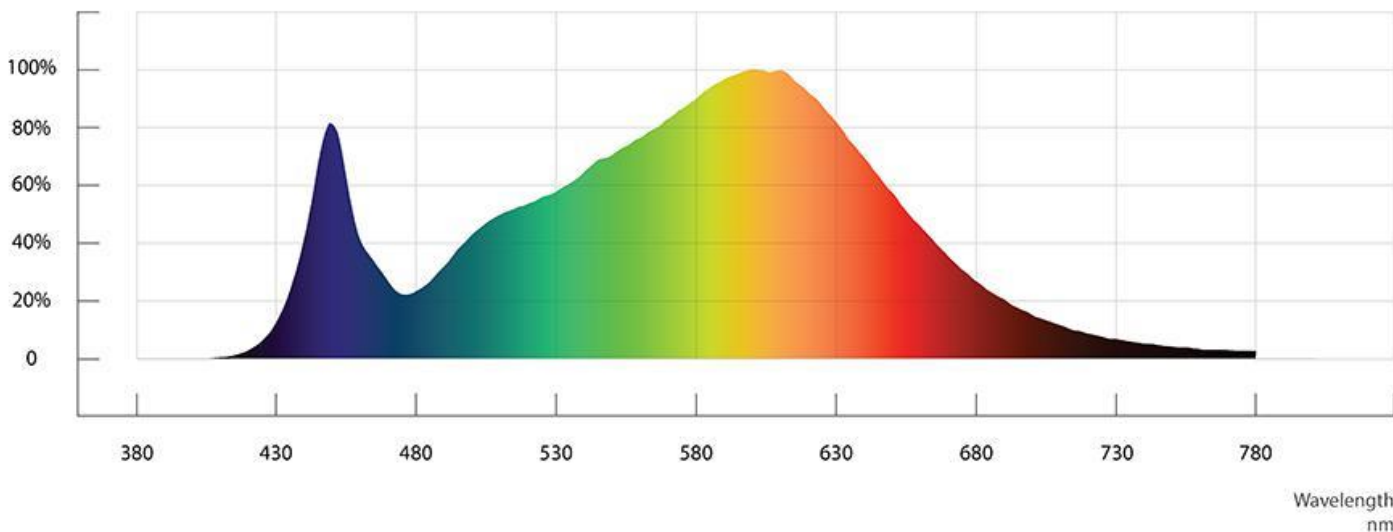
Spectrum Curve – Type 1: Higher molar value and mainly used to grow plants like cannabis, vegetables, fruits, flowers etc.

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

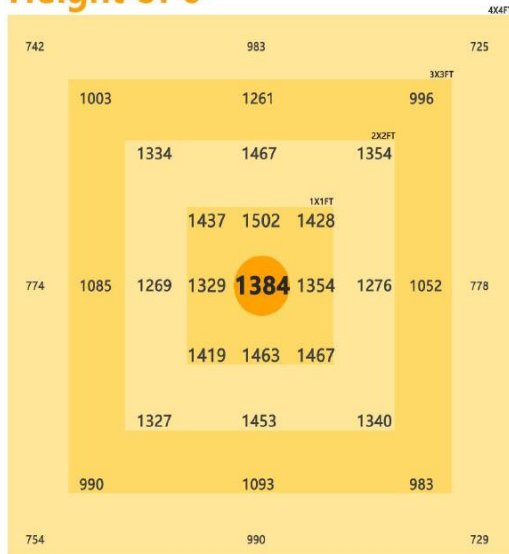


values are typical values when measured under normal laboratory conditions.

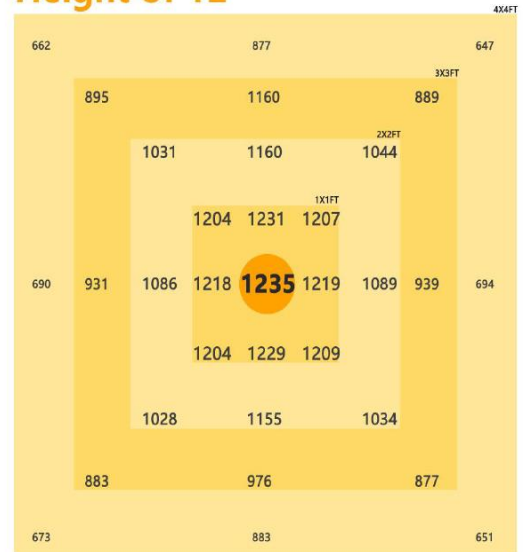
SPECTRUMS

640w

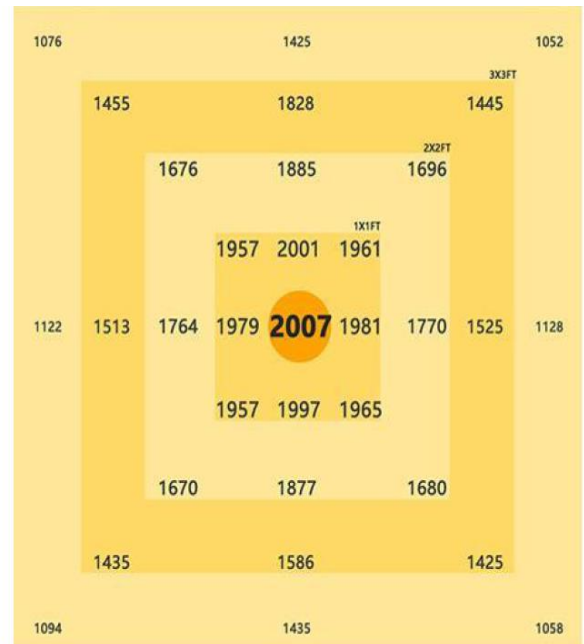
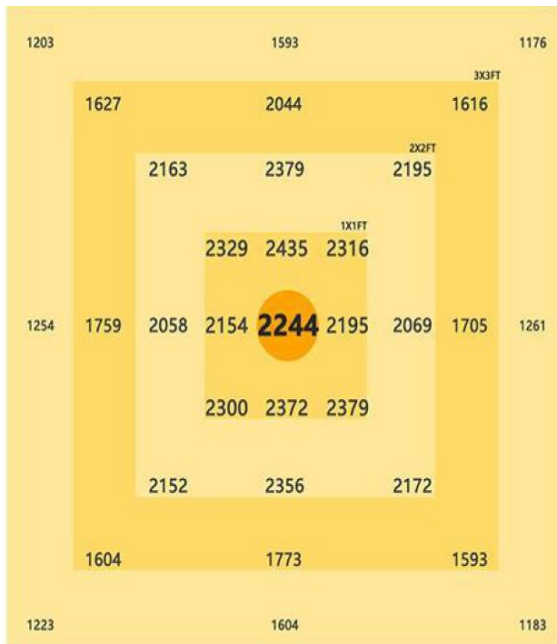
Height of 6"



Height of 12"



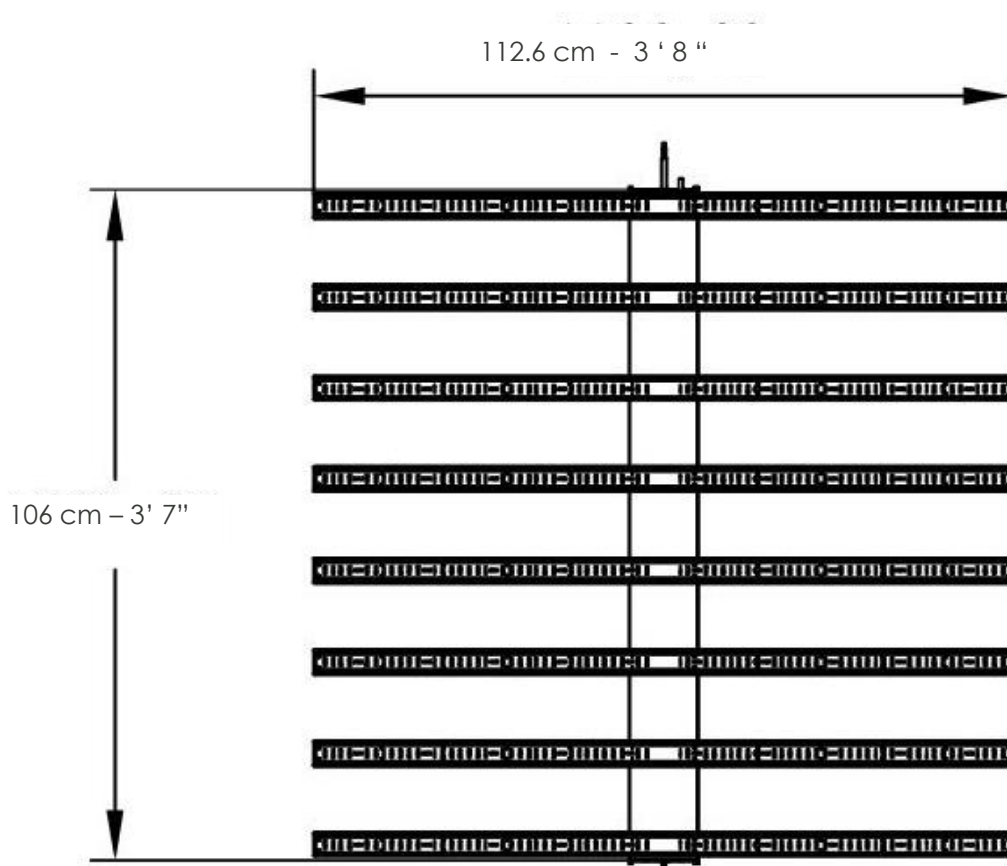
1000w



PRODUCT DIMENSIONS – 640W

Fixture Dimensions 112.6x106x10cm

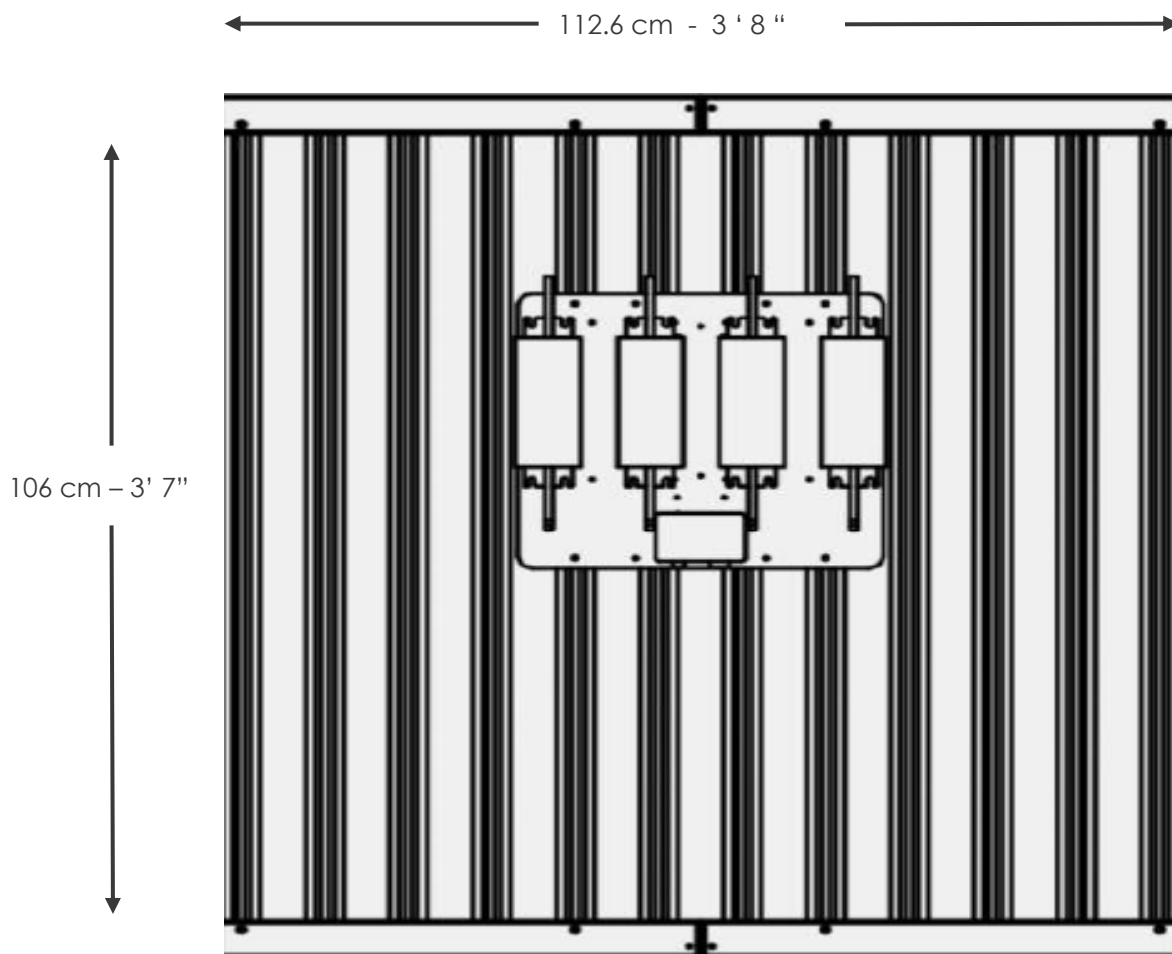
3'8"x 3'7"x 3.93"



PRODUCT DIMENSIONS – 1000W

Fixture Dimensions 112.6x106x10cm

3'8"x 3'7"x 3.93"





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HORTICULTURE PRODUCTS

LED plant grow light



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