



GLASHAUS

HORTICULTURE PRODUCTS

LED plant grow light



The GlasHaus series is ideal for all phases of plant growth. It works great with water solution culture and soil culture. And it can be used in house gardens, for pot culture, greenhouses, for sowing, for breeding, for farm, flower exhibitions, bonsai gardens, greenhouse cultivation, water soluble breeding, greenhouse 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 No dimming

PERFORMANCE

PPF 100W : 200 µmol/J - 150W: 300 µmol/J

200W : 400 µmol/J - 500W: 1000 µmol/J

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

Power 100, 150, 200W

Beam angle 90×90°, 120°, 144×62°

MECHANICAL & HOUSING

Housing Aluminum die cast for superior heat dissipation, strength, and rigidity.

Thermal-management system built directly into fixture housing for long lasting LEDs and driver function.

Finish

Black

Power Supply

Factory wired electronic LED

driver

LED Board

Light emitted source

APPLICATION CONDITION

Ambient temperature range

-20 to 40°C

Protection

IP66, High-humidity

COMPATIBLE MOUNTING

Mounting

U-bracket

WARRANTY

System warranty

5 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-CL270100W-UVSP190X90

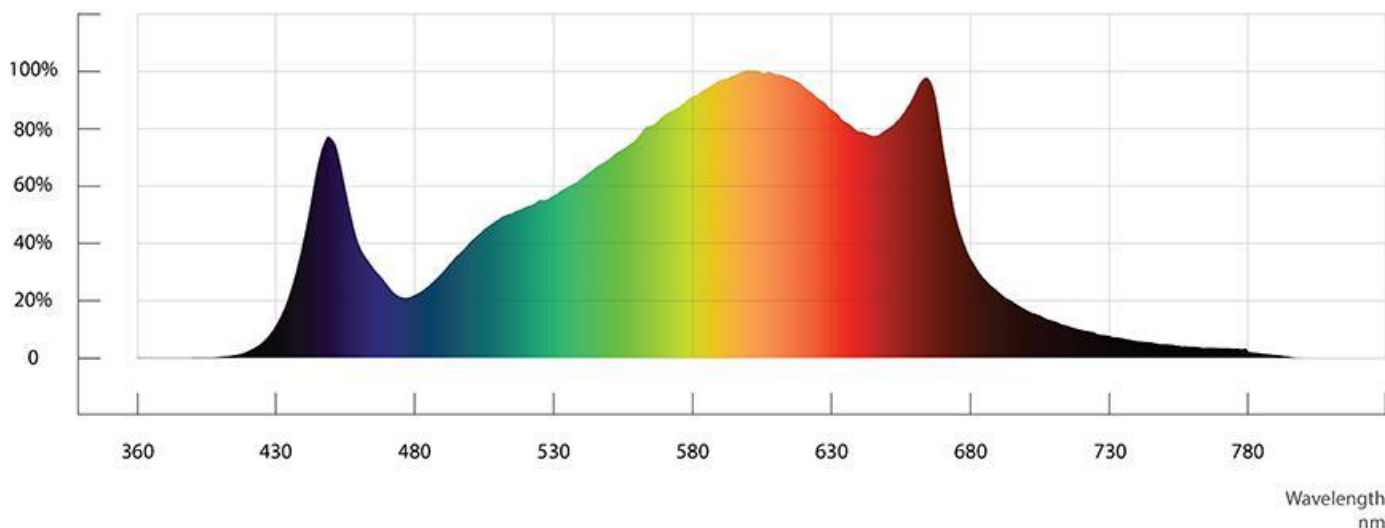
AE-LT-CL270	100W-	UV	SP1	90X90
FIXTURE FAMILY	WATTAGE	VOLTAGE	LIGHT RECIPES (nm)	Beam Angle
AE-LT-CL270 Manufactured for Aeralux GlasHaus LED plant grow light	100W- 100 watts	UV 120-277Vac input voltage range	SP1 Spectrum 1 [7/2/1]	90X90 90×90° beam angle
	150W- 150 watts			120 120° beam angle
	200W- 200 watts		SP2 Spectrum 2 [6/3/1]	144X62 144×62° beam angle
	500W- 500 watts			



SPECTRUMS

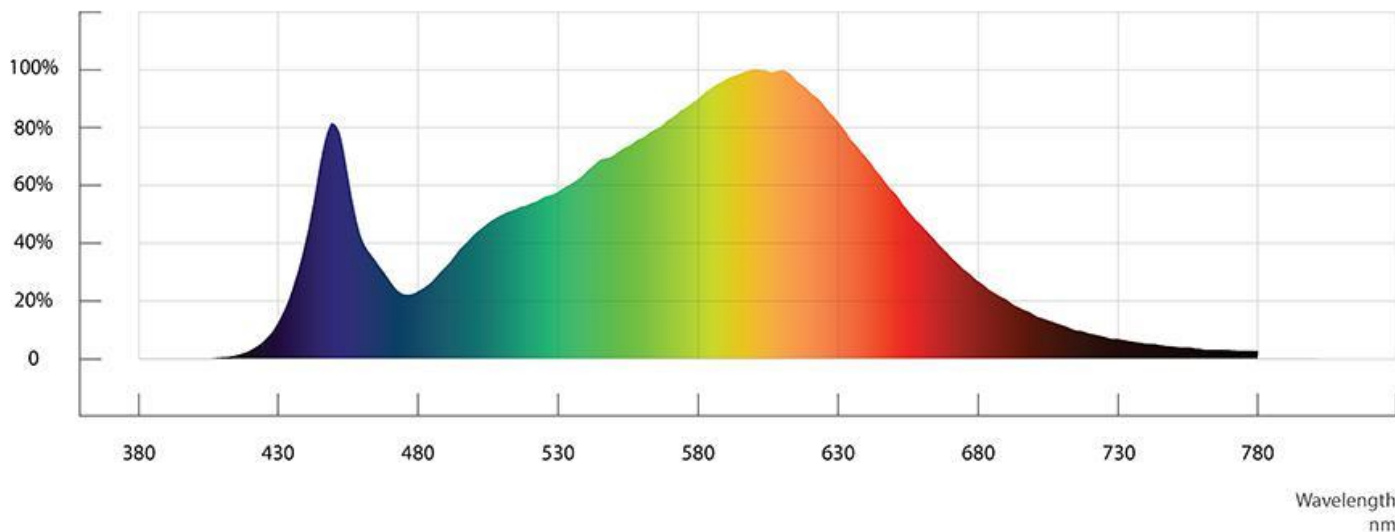
Spectrum Curve – Type 1: Higher molar value and mainly used to grow plants like cannabis, vegetables, fruits, flowers etc.

Measurements of Normalized
Photosynthetic Photon Flux



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

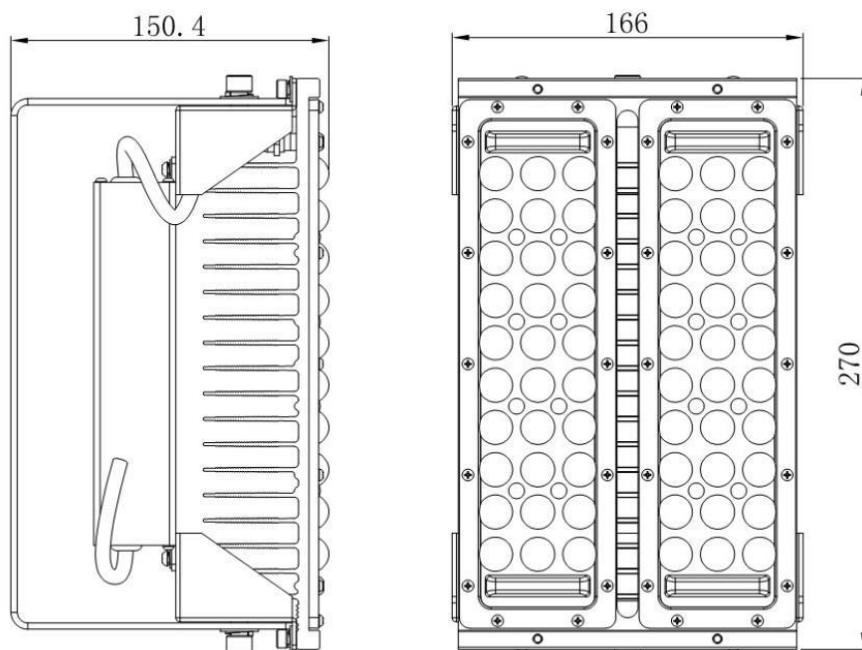
Measurements of Normalized
Photosynthetic Photon Flux



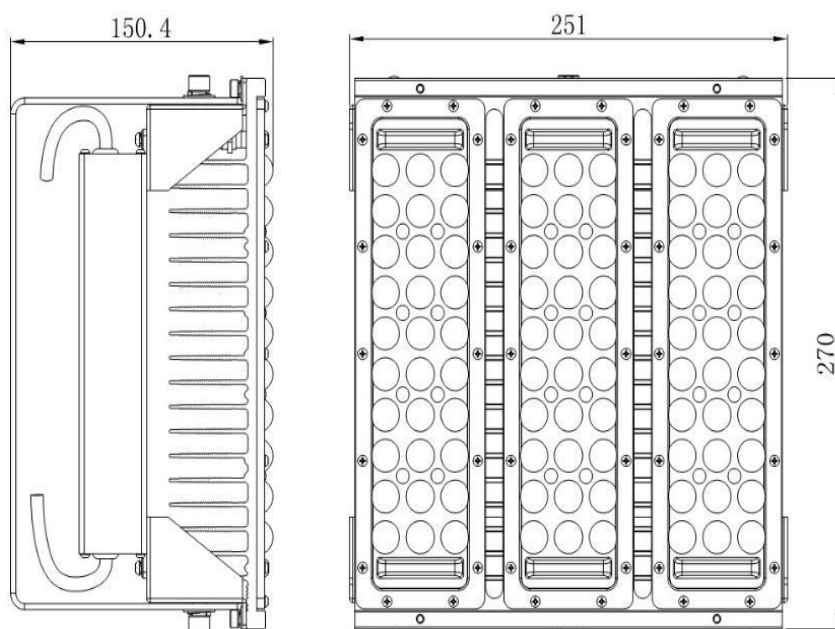
values are typical values when measured under normal laboratory conditions.

PRODUCT DIMENSIONS

AE-LT-CL270100W

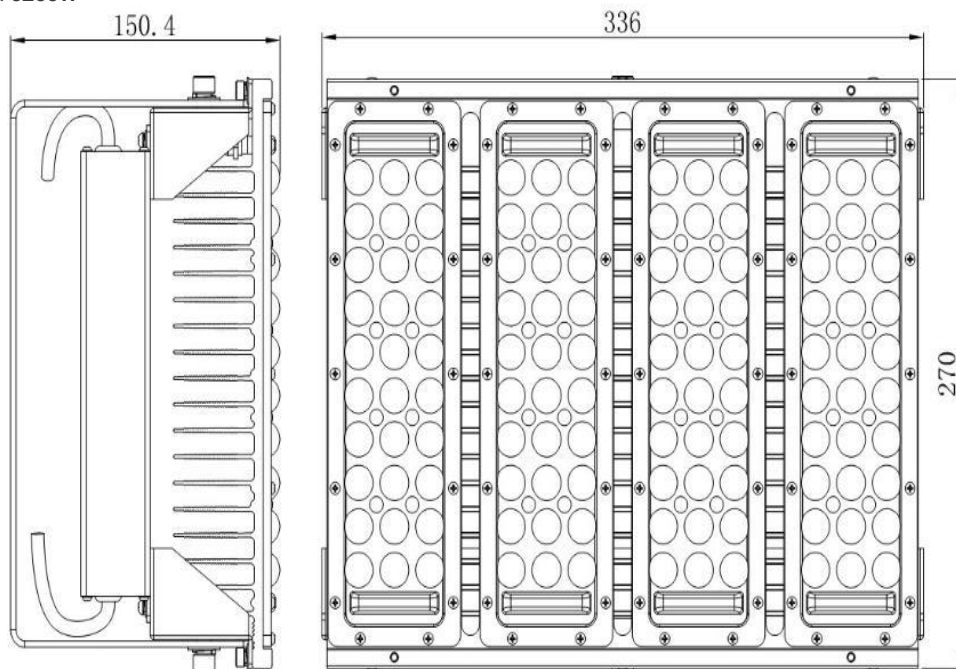


AE-LT-CL270150W



PRODUCT DIMENSIONS

AE-LT-CL270200W



AE-LT-CL270500W

