



Product Profile

HPS has been used for greenhouse light supplementary for decades. While the disadvantages should be overcome due to its low efficacy, high heat radiation and low photosynthetic rate yellow & green light. AgriBar is a high efficacy LED top light fixture specially designed under this target. As a 185W high power luminaire, its slender heat-sync will minimize the light-shade from greenhouse roof. Compared to the most efficient double-end HPS which achieved 1.9 $\mu\text{mol}/\text{Joule}$, AgriBar has an efficiency level of 2.6 $\mu\text{mol}/\text{Joule}$ (under red/blue spectrum), and the light output can reach up to 481 $\mu\text{mol}/\text{s}$. AgriBar has a wide variety of light angles for customization: from 30°/60°/80° degree to 120°/150° degree, depending on height of hanging and light solution design. The "light-recipe" can also be tailor-made in accordance with different crops and purpose of grow.

Features

- Wide Radiation Area In Uniform Distribution
- Low Heat Radiation And High Light Efficacy
- Minimum Light Shadow
- Easy To Install

Applications

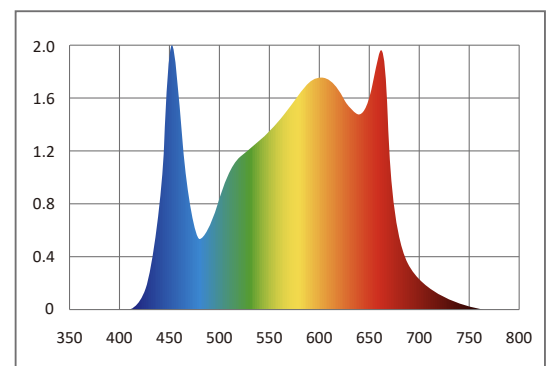
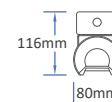
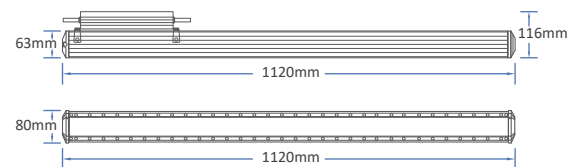
- Greenhouse Light Supplementary
- Vertical Farms As Sole Source Lighting
- Indoor Grow Sole Source Lighting

Product Specifications

Product Name	AgriBar
Model	AB185
Power	185 W
PPF	481 $\mu\text{mol}/\text{s}$
Efficacy	2.6 $\mu\text{mol}/\text{j}$
Input Voltage	100-277V AC
Power Factor	>0.95@220 V
Mounting Height	20 cm-250 cm
Radiation Angle	30° / 60° / 80° / 120° / 150°
Cooling	Passively air-cooled
Original Power Cord	1 ft pigtail
Lifetime	L80: Up to 35000hrs @25 °C
Warranty	3 years
Weight	12.4 lbs / 5.6 Kg



Measurements



Spectrum for AgriBar