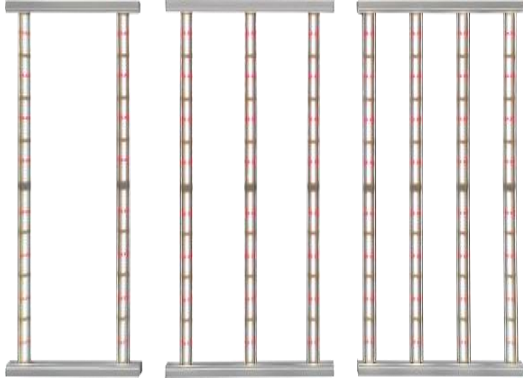


**Description:** ARZ Array type shelf planting plants Horticulture Lighting Group Grow Lights, Designed for urban agricultural vertical planting plants, PPFD ranging from 120~380 $\mu\text{mol}/\text{m}^2/\text{s}$ , for full-cycle cultivation of leafy greens, microgreens, and culinary herbs as well as propagation of vegetable and ornamental crops.



1. Each fixture covers 2x4ft, Suitable for shelf planting plants
2. High efficiency up to 2.6 $\mu\text{mol}/\text{l}$ , Waterproof IP64
3. Built-in LED power supply, No additional DC connection wires, easy to install
4. Condensing lenses are set at both ends, the light is more uniform
5. ARZ2 50W, More than 3 sets of average PPFD 120~180 $\mu\text{mol}/\text{m}^2/\text{s}$ , Apply to tissue cultures, seedlings and cutting ( cloning propagation ) and starter pots
6. ARZ3 85W, More than 3 sets of average PPFD 230~280 $\mu\text{mol}/\text{m}^2/\text{s}$ , leafy green and microgreen production
7. ARZ4 120W(Optional 160W), More than 3 sets of average PPFD 320~380 $\mu\text{mol}/\text{m}^2/\text{s}$ , full-cycle leafy green, basil, strawberry and culinary herb production
8. Lifespan 50,000 hours, Warranty: 3 years
9. CE RoHS ETL

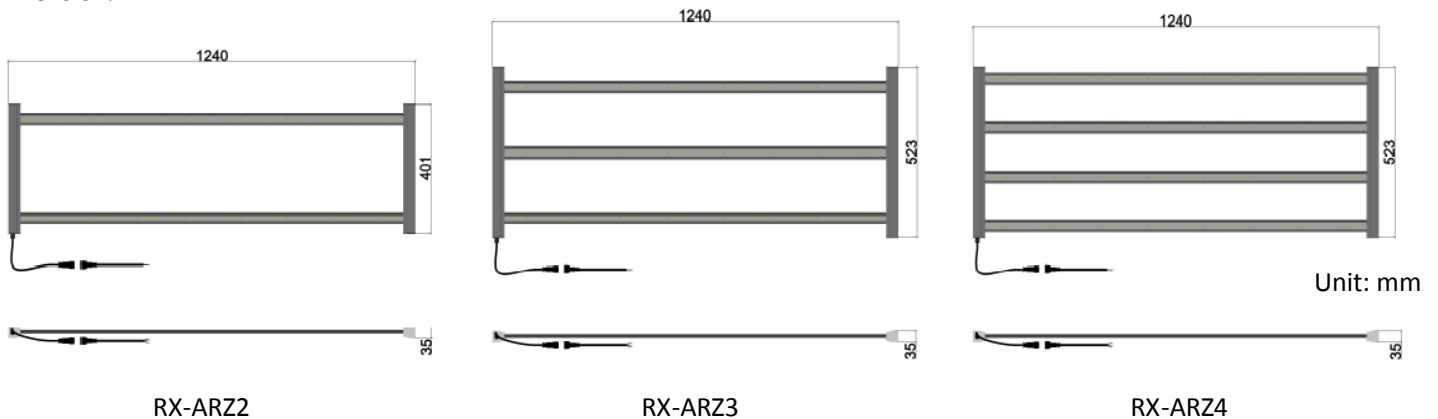
Model	Fixture Dimension LxWxH	Spectral Wavelength	Photon PPFD $\mu\text{mol}/\text{m}^2/\text{s}$	Luminous flux Radiation Power	Power Test Input	Comment
RX-ARZ2	1240x398x35mm 48.8" * 15.7" * 1.4"	F45 	142 $\mu\text{mol}$ @0.2m	133 $\mu\text{mol}/\text{s}$	50W/277V	Mounting Heigh $\geq 8"$ 0.2m Tissue cultures, seedlings cutting ,cloning propagation, starter pots
			114 $\mu\text{mol}$ @0.3m			
RX-ARZ3	1240x520x35mm 48.8" * 20.5" * 1.2"	F45 	274 $\mu\text{mol}$ @0.15m	232 $\mu\text{mol}/\text{s}$	85W/277V	Mounting Heigh $\geq 6"$ 0.15m microgreen production leafy green, ornamental crops
			238 $\mu\text{mol}$ @0.2m			
RX-ARZ4	1240x520x35mm 48.8" * 20.5" * 1.2"	F45 	372 $\mu\text{mol}$ @0.15m	316 $\mu\text{mol}/\text{s}$	120W/277V	Mounting Heigh $\geq 6"$ 0.15m basil, strawberry, culinary herb production
			344 $\mu\text{mol}$ @0.2m			
RX-ARZ4-H	1240x520x35mm 48.8" * 20.5" * 1.2"	F45 	482 $\mu\text{mol}$ @0.15m	409 $\mu\text{mol}/\text{s}$	160W/277V	Mounting Heigh $\geq 6"$ 0.15m basil, strawberry, culinary herb production
			446 $\mu\text{mol}$ @0.3m			

Max working temperature: Tc 28 °K , Working temperature: - 30°C ~ 40°C , Lifespan: 50,000 hours (Note: Ta 25 °C)

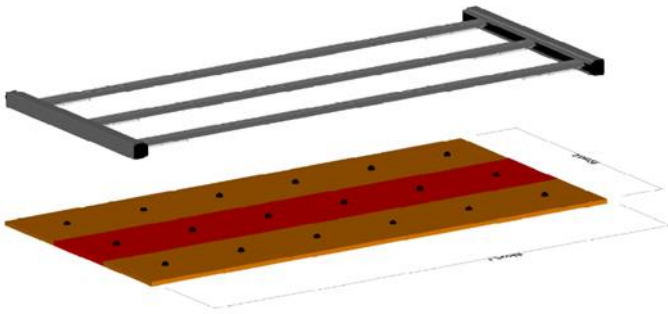
Tolerance range for optical and electrical data:  $\pm 10\%$  . Recommended Mounting Height 6-12 inches above canopy

The above data is for reference only!

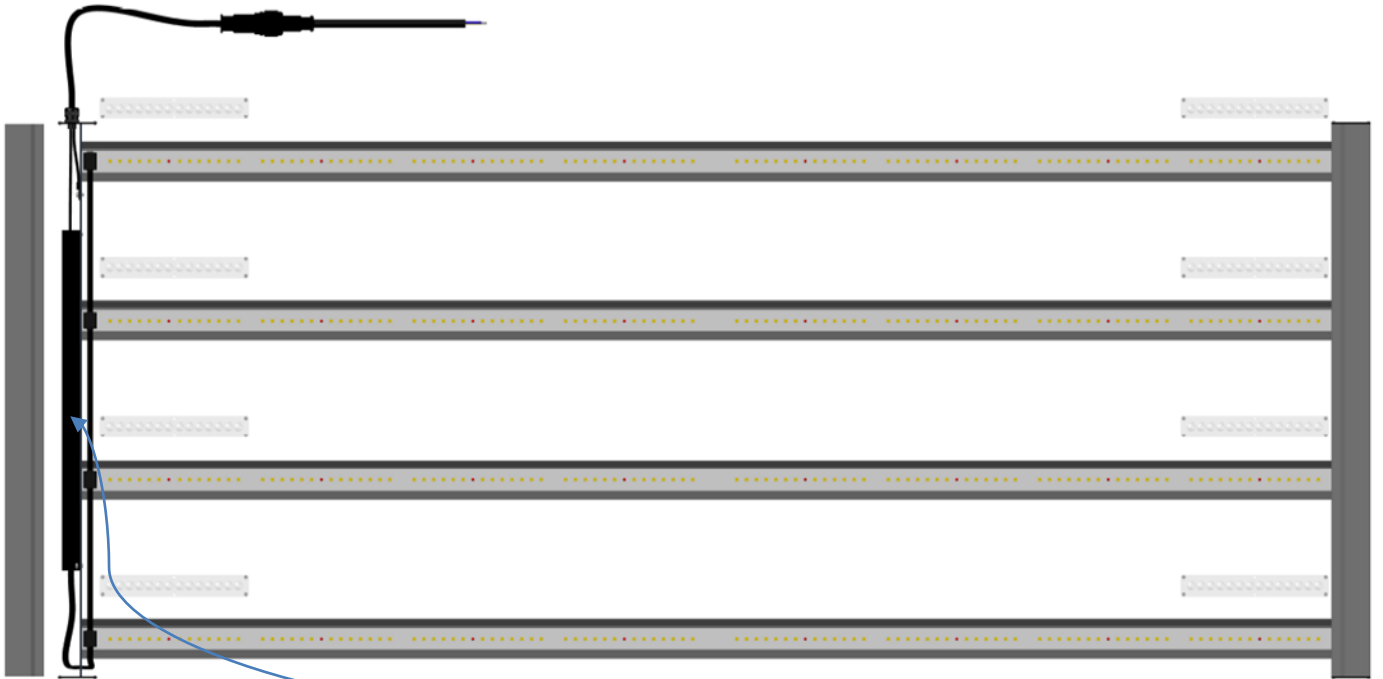
Dimension:



1. Each fixture covers 2x4ft, Suitable for shelf planting plants



2. Built-in LED power supply, No additional DC connection wires, easy to install



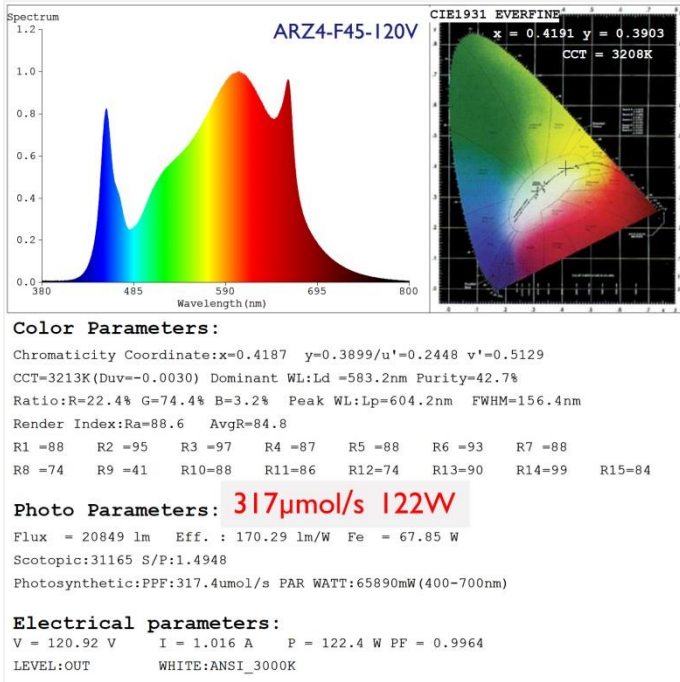
Built-in LED power supply, No additional DC connection wires, easy to install

3. Condensing lenses are set at both ends, the light is more uniform

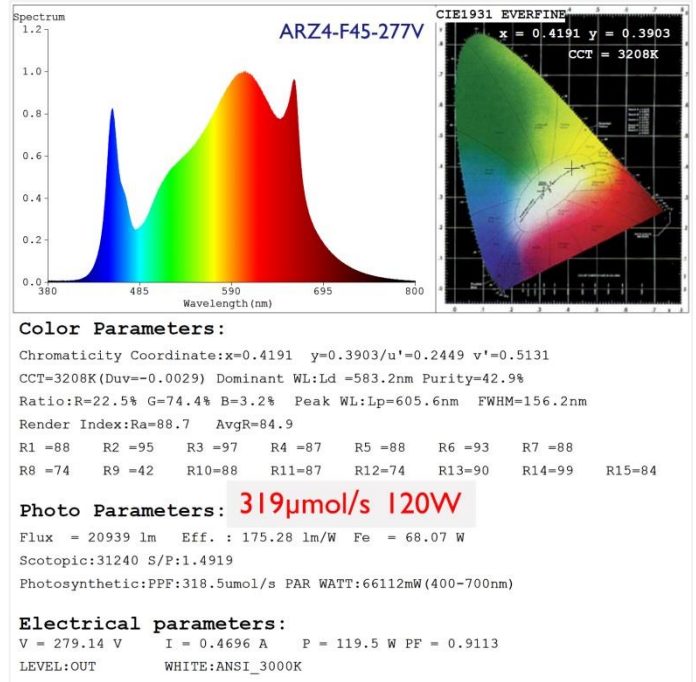


Condensing lenses are set at both ends, the light is more uniform

4. High efficiency up to 2.6μmol/J, Waterproof IP64

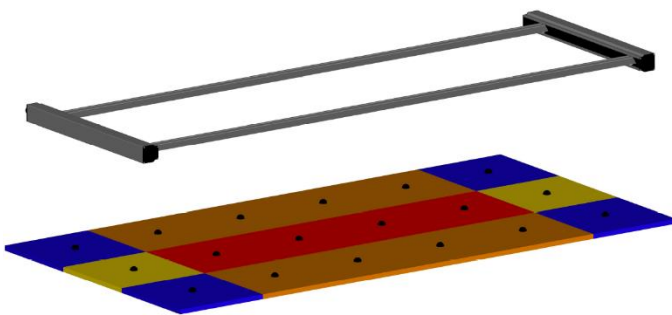


RX-ARZ4-F45 120V PPF TEST

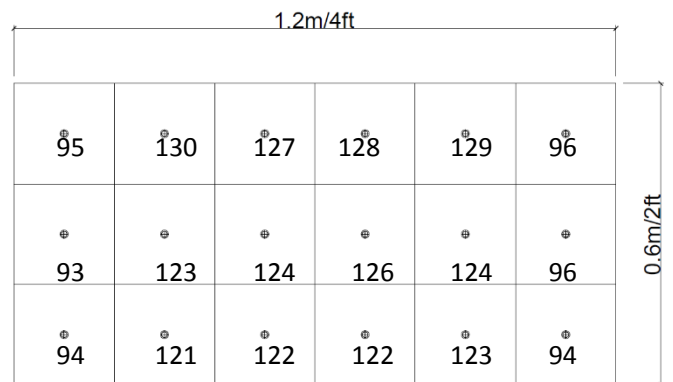


RX-ARZ4-F45 277V PPF TEST

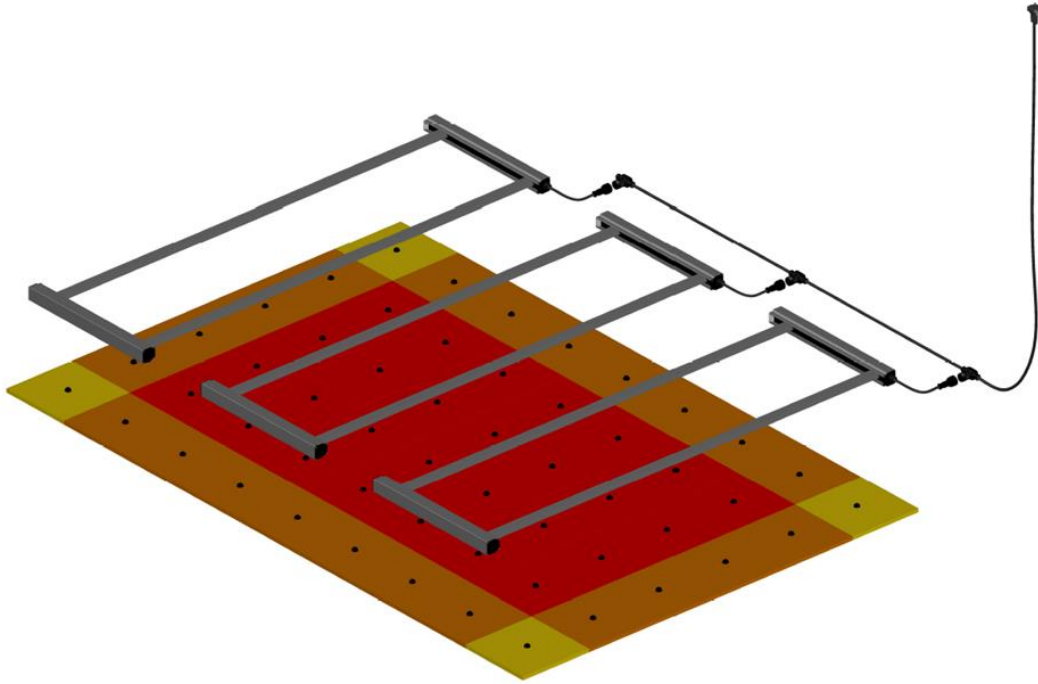
5. ARZ2 50W, More than 3 sets of average PPF 120~180μmol/m<sup>2</sup>/s, Apply to tissue cultures, seedlings and cutting (cloning propagation) and starter pots



Mounting Height 8 inches / 0.2m

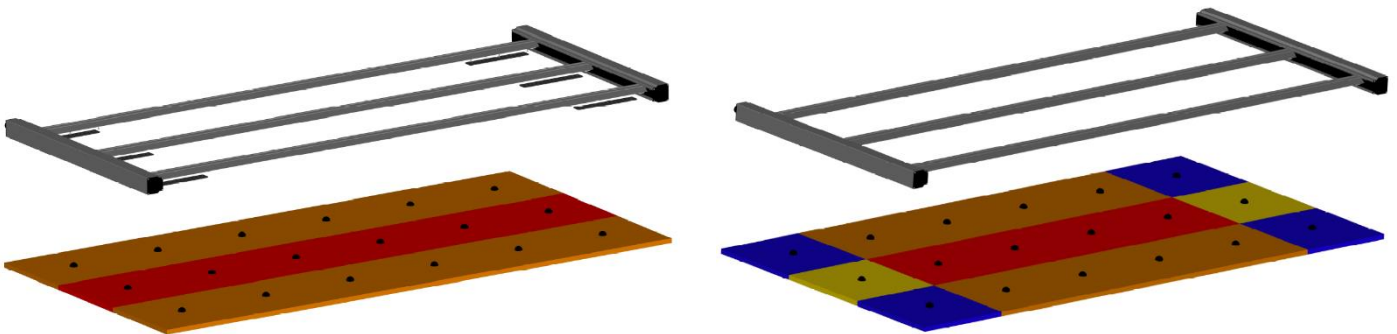


18 Point average value 115μmol/m<sup>2</sup>/s



Using three AR22 array plant lights, Mounting Height 8 inches(0.2m) above canopy, covering an area of 24 square feet (2.16 square meters), with an average illumination of 130 $\mu\text{mol}/\text{m}^2/\text{s}$

6. ARZ3 85W, More than 3 sets of average PPFD 230~280 $\mu\text{mol}/\text{m}^2/\text{s}$ , leafy green and microgreen production



1.2m/4ft						0.6m/2ft
⊙ 204	⊙ 186	⊙ 197	⊙ 196	⊙ 188	⊙ 205	
⊙ 231	⊙ 225	⊙ 236	⊙ 238	⊙ 223	⊙ 240	
⊙ 205	⊙ 187	⊙ 198	⊙ 197	⊙ 185	⊙ 206	

lenses are set at both ends

Mounting Height 8 inches / 0.2m

18 Point average value 208 $\mu\text{mol}/\text{m}^2/\text{s}$

Minimum test point PPFD 185 $\mu\text{mol}/\text{m}^2/\text{s}$

Maximum test point PPFD 240 $\mu\text{mol}/\text{m}^2/\text{s}$

1.2m/4ft						0.6m/2ft
⊙ 145	⊙ 198	⊙ 201	⊙ 203	⊙ 197	⊙ 147	
⊙ 177	⊙ 237	⊙ 241	⊙ 242	⊙ 237	⊙ 174	
⊙ 146	⊙ 198	⊙ 202	⊙ 202	⊙ 199	⊙ 149	

Without lens

Mounting Height 8 inches / 0.2m

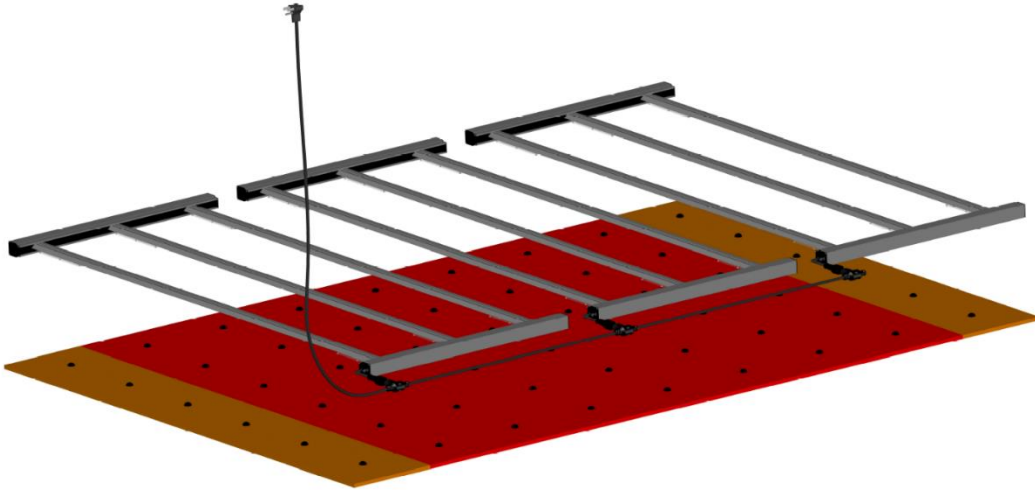
18 Point average value 194 $\mu\text{mol}/\text{m}^2/\text{s}$

Minimum test point PPFD 145 $\mu\text{mol}/\text{m}^2/\text{s}$

Maximum test point PPFD 242 $\mu\text{mol}/\text{m}^2/\text{s}$

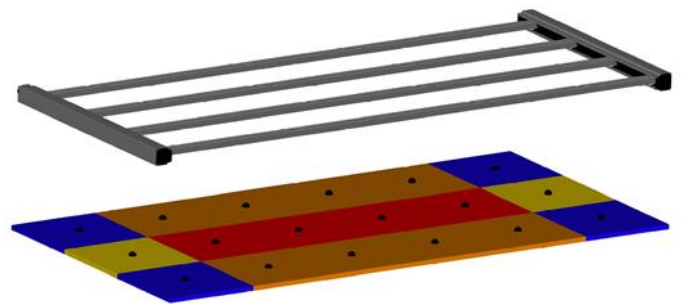
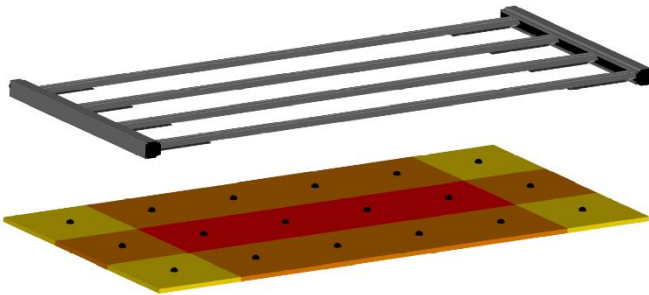
Compared with without lens, the average PPFD is increased by 14 $\mu\text{mol}/\text{m}^2/\text{s}$ , and the uniformity is increased by 17%

- 3 ARZ3 array plant lights, total power 255W AC277V



Using three ARZ3 array plant lights, Mounting Height 8 inches(0.2m) above canopy, covering an area of 24 square feet (2.16 square meters), with an average illumination of  $230\mu\text{mol}/\text{m}^2/\text{s}$

7. ARZ4 120W More than 3 sets of average PPFD  $320\sim 380\mu\text{mol}/\text{m}^2/\text{s}$ , full-cycle leafy green, basil, strawberry and culinary herb production



1.2m/4ft					
⊕ 278	⊕ 258	⊕ 273	⊕ 275	⊕ 260	⊕ 280
⊕ 320	⊕ 316	⊕ 334	⊕ 333	⊕ 315	⊕ 319
⊕ 280	⊕ 261	⊕ 275	⊕ 273	⊕ 257	⊕ 279
0.6m/2ft					

1.2m/4ft					
⊕ 206	⊕ 279	⊕ 283	⊕ 285	⊕ 280	⊕ 205
⊕ 237	⊕ 334	⊕ 344	⊕ 345	⊕ 336	⊕ 235
⊕ 203	⊕ 279	⊕ 284	⊕ 285	⊕ 280	⊕ 207
0.6m/2ft					

lenses are set at both ends

Mounting Height 8 inches / 0.2m

18 Point average value  $288\mu\text{mol}/\text{m}^2/\text{s}$

Minimum test point PPFD  $257\mu\text{mol}/\text{m}^2/\text{s}$

Maximum test point PPFD  $334\mu\text{mol}/\text{m}^2/\text{s}$

Without lens

Mounting Height 8 inches / 0.2m

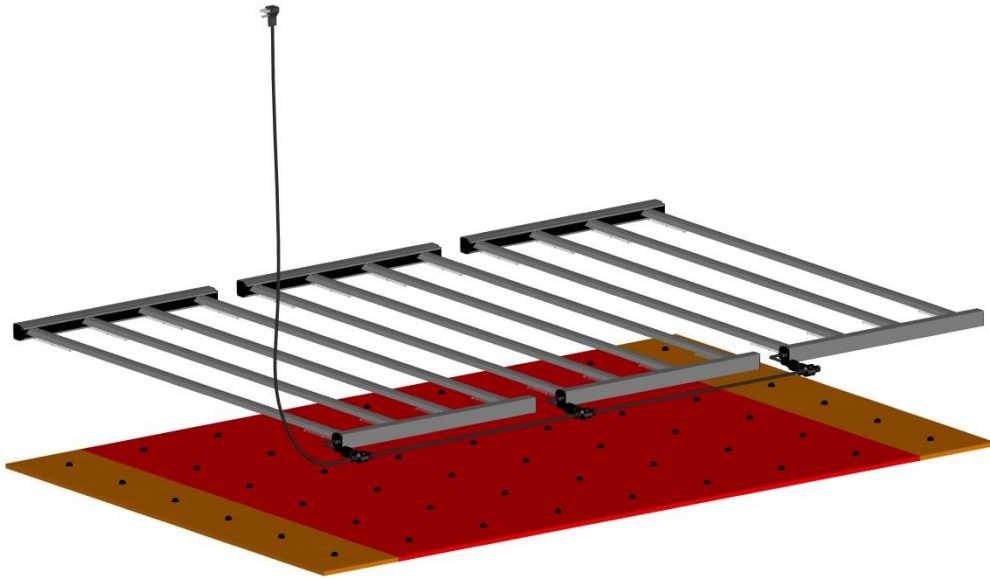
18 Point average value  $273\mu\text{mol}/\text{m}^2/\text{s}$

Minimum test point PPFD  $203\mu\text{mol}/\text{m}^2/\text{s}$

Maximum test point PPFD  $345\mu\text{mol}/\text{m}^2/\text{s}$

Compared with without lens, the average PPFD is increased by  $15\mu\text{mol}/\text{m}^2/\text{s}$ , and the uniformity is increased by 18%

- 3 ARZ4 array plant lights, total power 360W AC277V



Using three ARZ4 array plant lights, Mounting Height 8 inches(0.2m) above canopy, covering an area of 24 square feet (2.16 square meters), with an average illumination of  $320\mu\text{mol}/\text{m}^2/\text{s}$

### Free installation accessories



M5 20 T-Bolt Carbon Steel European Standard Screws



M5 Rings nut

### Optional accessories:



Countersunk Pot Magnets, KM Screw, Magnetic Iron sheets,KB Screw, Roll Ball Elastic Nuts