

DLC Qualified Product Report

DLC

HORTICULTURE

Astrica 820w LED 110-277v

Manufacturer: ASTRICA TECH, INC
Brand: ASTRICA

Model Number

Product ID	H-7COJ9E
QPL	Horticultural
Manufacturer	ASTRICA TECH, INC.
Brand Name	ASTRICA
DLC Family Code	NNNPHR
Listing Status	Listed
Date Qualified	2025-05-30

Product ID

Manufacturer	ASTRICA TECH, INC.
Brand	ASTRICA
Model Number	DM8-H10-820-A66-A1D
Technical Requirements Version	4.0
DLC Family Code	NNNPHR
Parent	Yes
Input Power Type	AC
Fixture Maximum Ambient Temp	40 °C
Width	41.1 in
Height	5.5 in
Length	40.8 in
Notes	This product has been tested with 8-light bars. Any change to number of light bars will effect QPL listed performance.
Actively Cooling Presence	No
PRODUCT CATEGORIZATION	
Controlled Environment	Indoor (Non-stacked), Indoor (Stacked)
Lighting Scheme (Position)	Top light

Category

CONTROL FEATURES	
Spectrally Tunable	No
Dimmable	Yes
Dimming and Control Method to the Product	0-10V IEC60929 Annex E, 0-10V ANSI C137.1 (8V)

Connector or Transmi

Fan Presence	No
REPORTED PHOTOMETRIC PERFORMANCE	
Reported Photosynthetic Photon Efficacy (400-700nm)	2.7 $\mu\text{mol}/\text{J}$
Reported Photosynthetic Photon Flux (400-700nm)	2343 $\mu\text{mol}/\text{s}$
Reported Minimum Photosynthetic Photon Flux	0 $\mu\text{mol}/\text{s}$
Reported Default Photosynthetic Photon Flux	2343 $\mu\text{mol}/\text{s}$

Reported Photon Flux Green (500-600nm)

Reported Photon Flux Green (500-550nm)	300 $\mu\text{mol/s}$
Reported Photon Flux Red (600-700nm)	1025 $\mu\text{mol/s}$
Reported Photon Flux Far Red (700-800nm)	122 $\mu\text{mol/s}$
REPORTED ELECTRICAL PERFORMANCE	
Reported Input Wattage	820 W
Reported Default Input Wattage	820 W
Reported Minimum Input Wattage	0 W
Reported Power Factor	0.99

Reported Total Harmonic Distortion

TESTED PHOTOMETRIC PERFORMANCE	
Tested Photosynthetic Photon Efficacy (400-700nm)	2.48 $\mu\text{mol}/\text{J}$
Tested Photosynthetic Photon Flux (400-700nm)	2155 $\mu\text{mol}/\text{s}$
Tested Photon Flux Blue (400-500nm)	351 $\mu\text{mol}/\text{s}$
Tested Photon Flux Green (500-600nm)	861 $\mu\text{mol}/\text{s}$
Tested Photon Flux Red (600-700nm)	943 $\mu\text{mol}/\text{s}$

TESTED ELECTRICAL PERFORMANCE	
Tested Input Wattage	868.7 W
Tested Power Factor	0.979
Tested Total Harmonic Distortion	5.7 %

Version History		
Date	Status	Version
2025-05-30	Listed	4
2024-03-31	Delisted	2.1