

Model: DM8-H10-820-A66-A1D
Manufacturer: ASTRICA TECH, INC.
Brand: ASTRICA

Product Overview	
Model Number	DM8-H10-820-A66-A1D
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 Information	
Qualified Product List	Horticultural
Product ID	H-7COJ9E
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
Lighting Scheme (Use Case)	Sole-Source
Category	Horticultural Lighting Fixture

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)
Integral Control Capability	Dim to Off
Connector or Transmission Hardware	RJ-11
Fan Presence	No

Reported Photometric Performance	
Reported Photosynthetic Photon Efficacy (400-700nm)	2.7 µmol/J
Reported Photosynthetic Photon Flux (400-700nm)	2343 µmol/s
Reported Minimum Photosynthetic Photon Flux	0 µmol/s
Reported Default Photosynthetic Photon Flux	2343 µmol/s
Reported Photon Flux Blue (400-500nm)	382 µmol/s
Reported Photon Flux Green (500-600nm)	936 µmol/s
Reported Photon Flux Red (600-700nm)	1025 µmol/s
Reported Photon Flux Far Red (700-800nm)	122 µmol/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
Voltage Range	100-277 V
Reported Total Harmonic Distortion	2 %

Tested Photometric Performance	
Tested Photosynthetic Photon Efficacy (400-700nm)	2.48 µmol/J
Tested Photosynthetic Photon Flux (400-700nm)	2155 µmol/s
Tested Photon Flux Blue (400-500nm)	351 µmol/s
Tested Photon Flux Green (500-600nm)	861 µmol/s
Tested Photon Flux Red (600-700nm)	943 µmol/s
Tested Photon Flux Far Red (700-800nm)	112 µmol/s

Tested Electrical Performance	
Tested Input Wattage	868.7 W
Tested Power Factor	0.979
Tested Total Harmonic Distortion	5.7 %

SQD/PPID
<div>[Spectral Quantum Distribution Chart Data Not Available for Interactive Display] Please refer to official DLC documentation for spectral graphs.</div>

Version History		
Date	Status	Version
2025-05-30	Listed	4
2024-03-31	Delisted	2.1
2022-07-19	Listed	2.1