

DLC Qualified Product Report

Astrica 650w LED 110-277v

DLC
HORTICULTURE

Model: DM6-H10-650-A66-A1D
Manufacturer: ASTRICA TECH, INC.
Brand: ASTRICA

PRODUCT OVERVIEW

Model Number	DM6-H10-650-A66-A1D
Product ID	H-UGA1V2
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-UGA1V2
Manufacturer	ASTRICA TECH, INC.
Brand	ASTRICA
Model Number	DM6-H10-650-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 6-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)	1742 µmol/s
Reported Minimum Photosynthetic Photon Flux	0 µmol/s
Reported Default Photosynthetic Photon Flux	1742 µmol/s
Reported Photon Flux Blue (400-500nm)	283 µmol/s
Reported Photon Flux Green (500-600nm)	696 µmol/s
Reported Photon Flux Red (600-700nm)	764 µmol/s
Reported Photon Flux Far Red (700-800nm)	91 µmol/s

REPORTED ELECTRICAL PERFORMANCE

Reported Input Wattage	650 W
Reported Default Input Wattage	650 W
Reported Minimum Input Wattage	0 W
Reported Power Factor	0.99
Voltage Range	100-277 V
Reported Total Harmonic Distortion	1.9 %

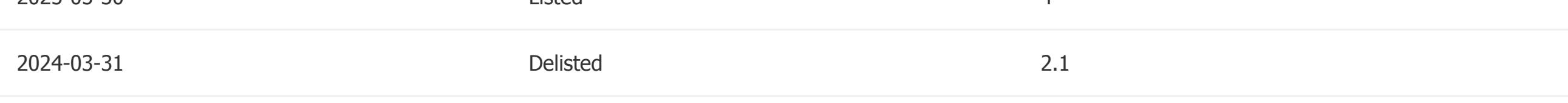
TESTED PHOTOMETRIC PERFORMANCE

Tested Photosynthetic Photon Efficacy (400-700nm)	2.71 µmol/J
Tested Photosynthetic Photon Flux (400-700nm)	1670 µmol/s
Tested Photon Flux Blue (400-500nm)	271 µmol/s
Tested Photon Flux Green (500-600nm)	667 µmol/s
Tested Photon Flux Red (600-700nm)	732 µmol/s
Tested Photon Flux Far Red (700-800nm)	87 µmol/s

TESTED ELECTRICAL PERFORMANCE

Tested Input Wattage	616.7 W
Tested Power Factor	0.974
Tested Total Harmonic Distortion	6 %

SQD/PPID



VERSION HISTORY

Date	Status	Version
2025-05-30	Listed	4
2024-03-31	Delisted	2.1
2023-05-03	Listed	2.1