

DesignLights Consortium



Model Number	Aries 640W+ 277V field adjustable spatial distribution
Product Name	Aries 640W+ 277V field adjustable spatial distribution
Product ID	H-30B2MZW
QPL	Horticultural
Manufacturer	FOHSE INC
Brand Name	FOHSE
DLC Family Code	NNNPEE
Listing Status	Listed
Date Qualified	2021-05-18

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-30B2MZW
Manufacturer	FOHSE INC
Brand	FOHSE
Product Name	Aries 640W+ 277V field adjustable spatial distribution
Model Number	Aries 640W+ 277V field adjustable spatial distribution
Technical Requirements Version	2.1
DLC Family Code	NNNPEE
Parent	Yes
Input Power Type	AC
Fixture Maximum Ambient Temp	40 °C

PRODUCT CATEGORIZATION VIEW DETAILS

Category	Horticultural Lighting Fixture
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PRODUCT CAPABILITIES VIEW DETAILS

Fan Presence	No
Spectrally Tunable	No
Dimmable	Yes

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy (400-700nm)	3.21 $\mu\text{mol}/\text{J}$
Reported Photosynthetic Photon Flux (400-700nm)	2136 $\mu\text{mol}/\text{s}$
Reported Photon Flux Blue (400-500nm)	396 $\mu\text{mol}/\text{s}$
Reported Photon Flux Green (500-600nm)	542 $\mu\text{mol}/\text{s}$
Reported Photon Flux Red (600-700nm)	1199 $\mu\text{mol}/\text{s}$
Reported Photon Flux Far Red (700-800nm)	18 $\mu\text{mol}/\text{s}$

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Voltage Range	100 - 277 V
Reported Input Wattage	666 W
Reported Power Factor	0.99
Reported Total Harmonic Distortion	5.7 %

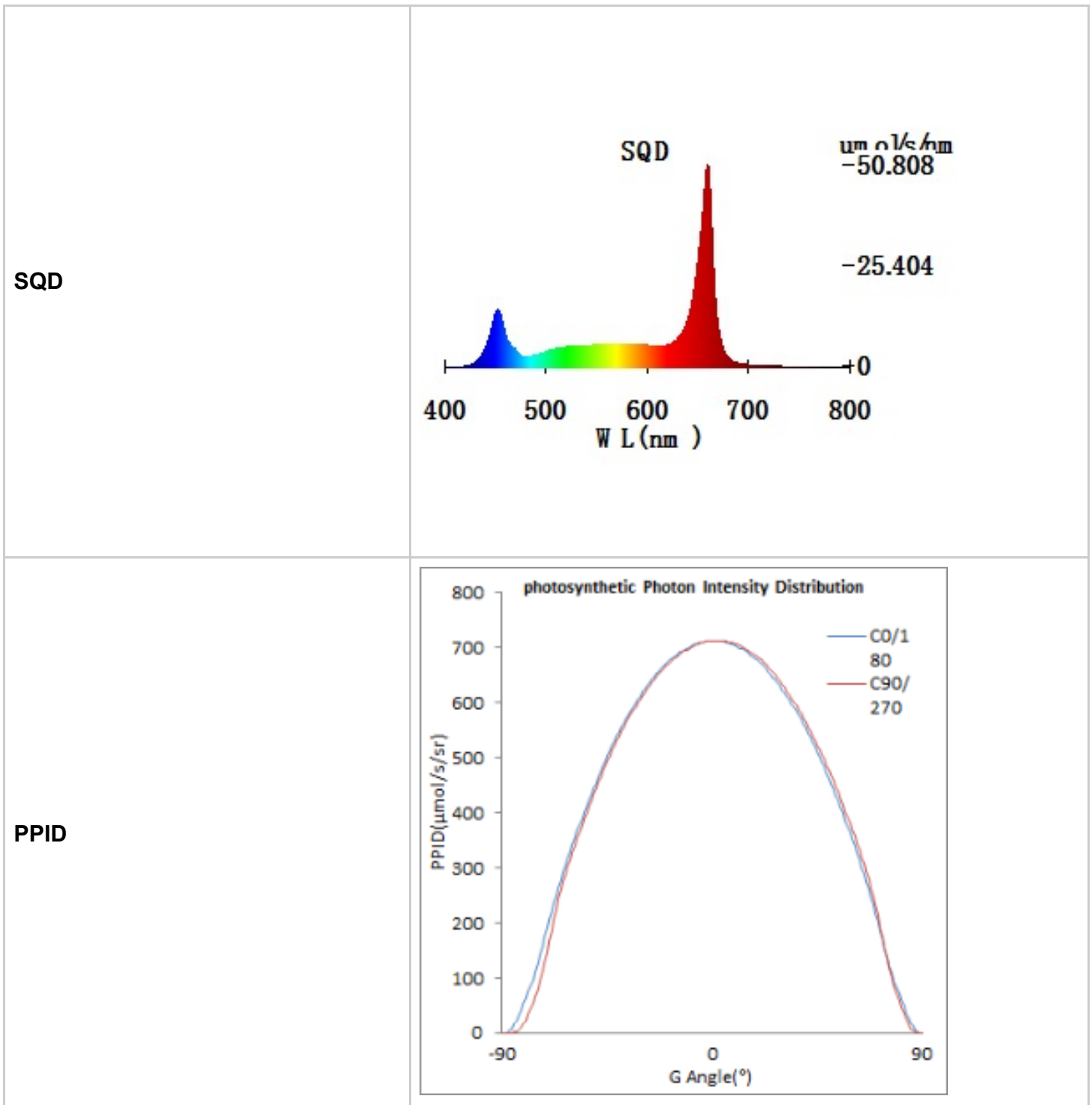
TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Photosynthetic Photon Efficacy (400-700nm)	3.21 $\mu\text{mol}/\text{J}$
Tested Photosynthetic Photon Flux (400-700nm)	2136 $\mu\text{mol}/\text{s}$
Tested Photon Flux Blue (400-500nm)	395.5 $\mu\text{mol}/\text{s}$
Tested Photon Flux Green (500-600nm)	541.9 $\mu\text{mol}/\text{s}$
Tested Photon Flux Red (600-700nm)	1199 $\mu\text{mol}/\text{s}$
Tested Photon Flux Far Red (700-800nm)	17.99 $\mu\text{mol}/\text{s}$

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	665.5 W
Tested Power Factor	0.99
Tested Total Harmonic Distortion	6 %

SQD/PPID VIEW DETAILS



VERSION HISTORY VIEW DETAILS

2022-01-12	Listed	2.1
2021-05-17	Listed	1.2