

DesignLights Consortium



Model Number	APGL-MGL-42-I-1
Product Name	420W Matrix LED Grow Light
Product ID	H-DD0WU3X
QPL	Horticultural
Manufacturer	ALL PURPOSE LED GROW LIGHTS INTERNATIONAL LTD
Brand Name	AELIUS LED
DLC Family Code	NNNPCT
Listing Status	Listed
Date Qualified	2020-04-21

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-DD0WU3X
Manufacturer	ALL PURPOSE LED GROW LIGHTS INTERNATIONAL LTD
Brand	AELIUS LED
Product Name	420W Matrix LED Grow Light
Model Number	APGL-MGL-42-I-1
Technical Requirements Version	2.1
DLC Family Code	NNNPCT
Parent	Yes
Input Power Type	AC
Fixture Maximum Ambient Temp	35 °C

PRODUCT CAPABILITIES VIEW DETAILS

Fan Presence	No
Spectrally Tunable	No
Dimmable	Yes

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy (400-700nm)	2.52 $\mu\text{mol/J}$
Reported Photosynthetic Photon Flux (400-	1070.5 $\mu\text{mol/s}$

700nm)	
Reported Photon Flux Blue (400-500nm)	155.5 µmol/s
Reported Photon Flux Green (500-600nm)	429.5 µmol/s
Reported Photon Flux Red (600-700nm)	493.7 µmol/s
Reported Photon Flux Far Red (700-800nm)	21.84 µmol/s

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Voltage Range	120 - 277 V
Reported Input Wattage	425 W
Reported Power Factor	0.971
Reported Total Harmonic Distortion	10.4 %

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

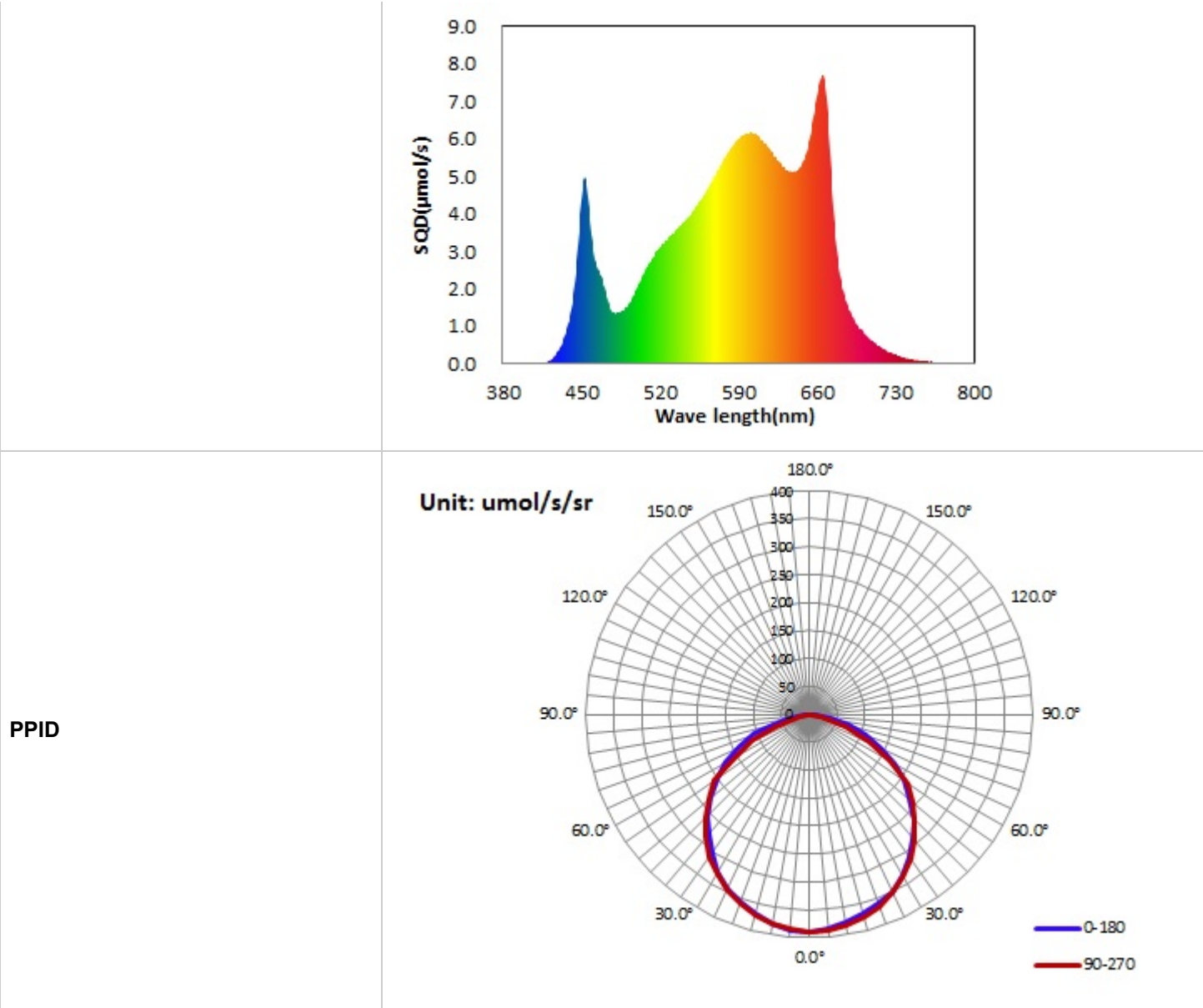
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Tested Photosynthetic Photon Flux (400-700nm)	1070.49 µmol/s
Tested Photon Flux Blue (400-500nm)	155.52 µmol/s
Tested Photon Flux Green (500-600nm)	429.5 µmol/s
Tested Photon Flux Red (600-700nm)	493.73 µmol/s
Tested Photon Flux Far Red (700-800nm)	21.84 µmol/s

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	424.5 W
Tested Voltage	120
Tested Power Factor	0.971
Tested Total Harmonic Distortion	10.4 %

SQD/PPID VIEW DETAILS

SQD	
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VERSION HISTORY VIEW DETAILS

2021-11-23	Listed	2.1
2020-04-20	Listed	1.2