



Model Number	Matrx 630F
Product Name	Matrx 630F
Product ID	H-SDLR8J
QPL	Horticultural
Manufacturer	All purpose LED Grow Lights international ltd
Brand Name	AELIUS LED
DLC Family Code	<a href="#">NNNPGC</a>
Listing Status	Listed
Date Qualified	2022-05-17

## PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-SDLR8J
Manufacturer	All purpose LED Grow Lights international ltd
Brand	AELIUS LED
Product Name	Matrx 630F
Model Number	Matrx 630F
Technical Requirements Version	2.1
DLC Family Code	NNNPGC
Parent	Yes
Input Power Type	AC
Actively Cooling Presence	No
Fixture Maximum Ambient Temp	40 °C

## PRODUCT CATEGORIZATION VIEW DETAILS

Category	Horticultural Lighting Fixture
----------	--------------------------------

## PRODUCT CAPABILITIES VIEW DETAILS

Fan Presence	No
Spectrally Tunable	No
Dimmable	Yes

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy (400-700nm)	2.81 µmol/J
Reported Photosynthetic Photon Flux (400-700nm)	1886 µmol/s
Reported Photon Flux Blue (400-500nm)	407 µmol/s
Reported Photon Flux Green (500-600nm)	630 µmol/s
Reported Photon Flux Red (600-700nm)	850 µmol/s
Reported Photon Flux Far Red (700-800nm)	29 µmol/s

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Voltage Range	120 - 277 V
Reported Input Wattage	672 W
Reported Power Factor	0.995
Reported Total Harmonic Distortion	8 %

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

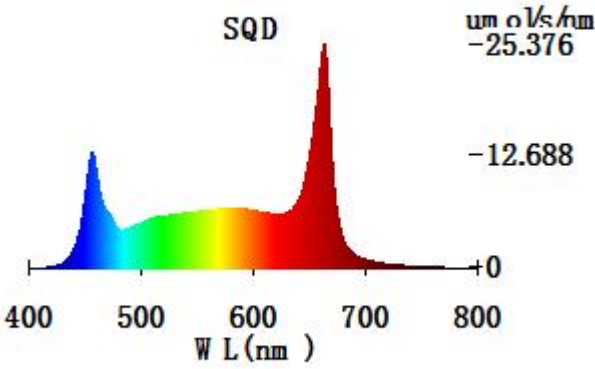
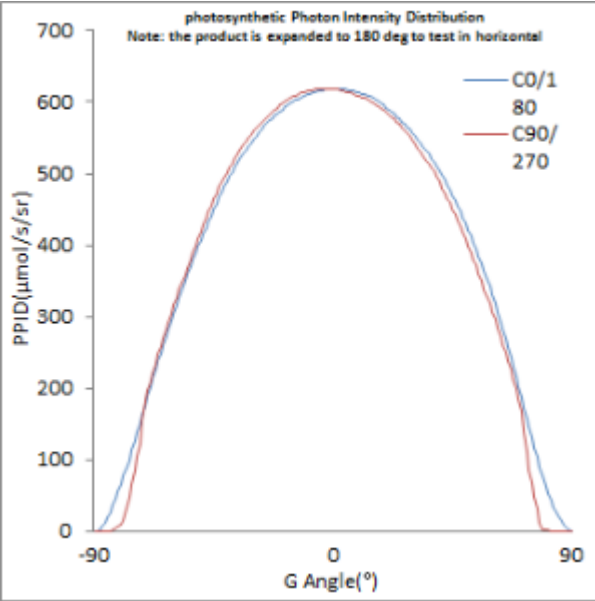
Tested Photosynthetic Photon Efficacy (400-700nm)	2.81 µmol/J
Tested Photosynthetic Photon Flux (400-700nm)	1886 µmol/s
Tested Photon Flux Blue (400-500nm)	407 µmol/s
Tested Photon Flux Green (500-600nm)	630 µmol/s
Tested Photon Flux Red (600-700nm)	850 µmol/s
Tested Photon Flux Far Red (700-800nm)	29 µmol/s

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	671.8 W
Tested Voltage	120
Tested Power Factor	0.972
Tested Total Harmonic Distortion	10.2 %

SQD/PPID VIEW DETAILS

SQD	
-----	--

	 <p>The graph displays the Spectral Quantum Distribution (SQD) of the light source. The x-axis represents Wavelength (nm) from 400 to 800. The y-axis represents photon intensity in <math>\mu\text{mol/s/nm}</math>. Two peaks are labeled: a blue peak at 450 nm with an intensity of -25.376, and a red peak at 660 nm with an intensity of -12.688. A rainbow-colored bar is positioned between the two peaks.</p>
PPID	 <p>The graph shows the Photosynthetic Photon Intensity Distribution (PPID) for three different configurations: CO/1 (blue line), 80 (black line), and C90/270 (red line). The x-axis is G Angle (°) from -90 to 90, and the y-axis is PPID (<math>\mu\text{mol/s/sr}</math>) from 0 to 700. All three curves are bell-shaped and centered at 0°, with a peak intensity of approximately 620 <math>\mu\text{mol/s/sr}</math>. A note states: "photosynthetic Photon Intensity Distribution. Note: the product is expanded to 180 deg to test in horizontal".</p>

VERSION HISTORY VIEW DETAILS

2022-05-17	Listed	2.1
------------	--------	-----