

DesignLights Consortium



Model Number	FLL-1601
Product Name	Full Spectrum High PPE 720W LED grow light
Product ID	H-34D9J0
QPL	Horticultural
Manufacturer	FloraFlex Corp.
Brand Name	FloraFlex
DLC Family Code	PPPUHE
Listing Status	Listed
Date Qualified	2025-04-30

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-34D9J0
Manufacturer	FloraFlex Corp.
Brand	FloraFlex
Product Name	Full Spectrum High PPE 720W LED grow light
Model Number	FLL-1601
Technical Requirements Version	4.0
DLC Family Code	PPPUHE
Parent	Yes
Input Power Type	AC
Fixture Maximum Ambient Temp	35 °C
Width	14.76 in
Height	0.85 in
Length	40.8 in
Actively Cooling Presence	No

PRODUCT CATEGORIZATION VIEW DETAILS

Controlled Environment	Indoor (Non-stacked), Indoor (Stacked), Greenhouse
Lighting Scheme (Position)	Top light
Lighting Scheme (Use Case)	Sole-Source, Supplemental

CONTROL FEATURES VIEW DETAILS

Spectrally Tunable	No
Dimmable	Yes
Dimming and Control Method to the Product	0-10V IEC60929 Annex E
Integral Control Capability	Manual Dimming
Connector or Transmission Hardware	RJ-45

Fan Presence	No
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REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy (400-700nm)	3.3 $\mu\text{mol/J}$
Reported Photosynthetic Photon Flux (400-700nm)	2262 $\mu\text{mol/s}$
Reported Minimum Photosynthetic Photon Flux	226.2 $\mu\text{mol/s}$
Reported Default Photosynthetic Photon Flux	2262 $\mu\text{mol/s}$
Reported Photon Flux Blue (400-500nm)	164 $\mu\text{mol/s}$
Reported Photon Flux Green (500-600nm)	101 $\mu\text{mol/s}$
Reported Photon Flux Red (600-700nm)	1998 $\mu\text{mol/s}$
Reported Photon Flux Far Red (700-800nm)	748 $\mu\text{mol/s}$

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	720 W
Reported Default Input Wattage	720 W
Reported Minimum Input Wattage	72 W
Reported Power Factor	0.966
Voltage Range	120-277 V
Reported Total Harmonic Distortion	6.8 %

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

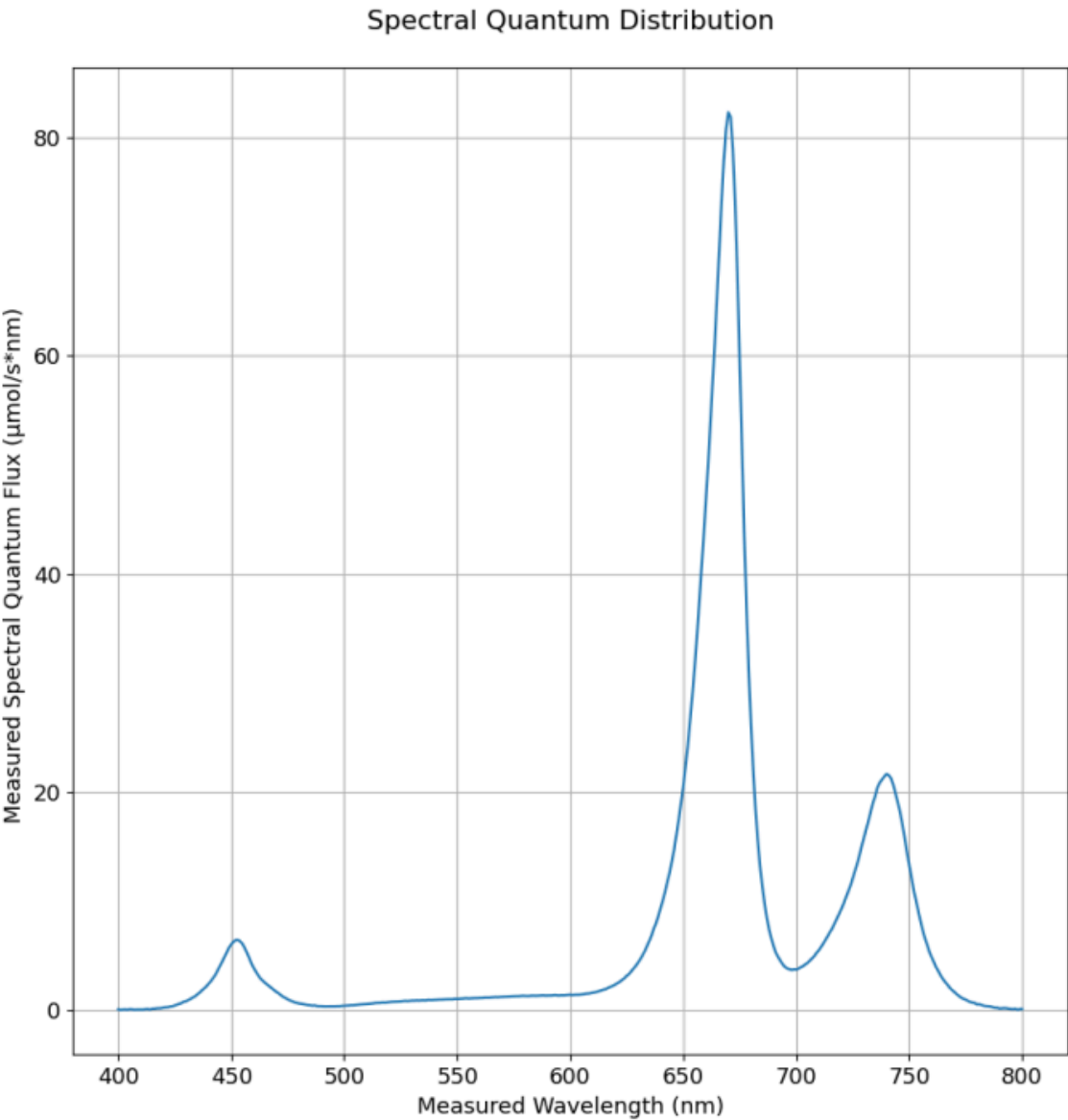
Tested Photosynthetic Photon Efficacy (400-700nm)	3.3 $\mu\text{mol/J}$
Tested Photosynthetic Photon Flux (400-700nm)	2262 $\mu\text{mol/s}$
Tested Photon Flux Blue (400-500nm)	164 $\mu\text{mol/s}$
Tested Photon Flux Green (500-600nm)	101 $\mu\text{mol/s}$
Tested Photon Flux Red (600-700nm)	1998 $\mu\text{mol/s}$
Tested Photon Flux Far Red (700-800nm)	748 $\mu\text{mol/s}$
Tested Voltage for Minimum Efficacy	240

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

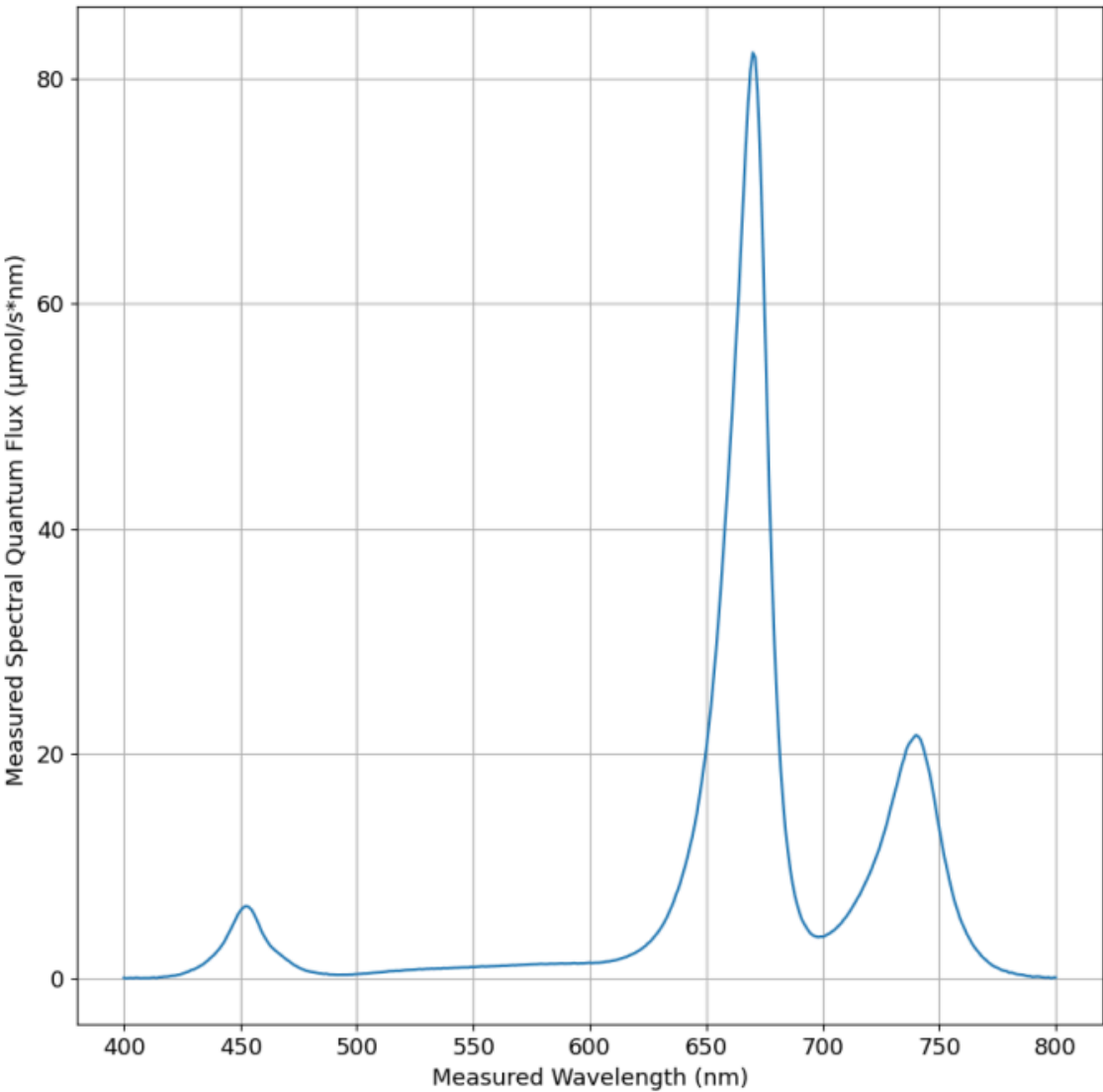
Tested Input Wattage	685.6 W
Tested Power Factor	0.966
Tested Total Harmonic Distortion	6.8 %

SQD/PPID VIEW DETAILS

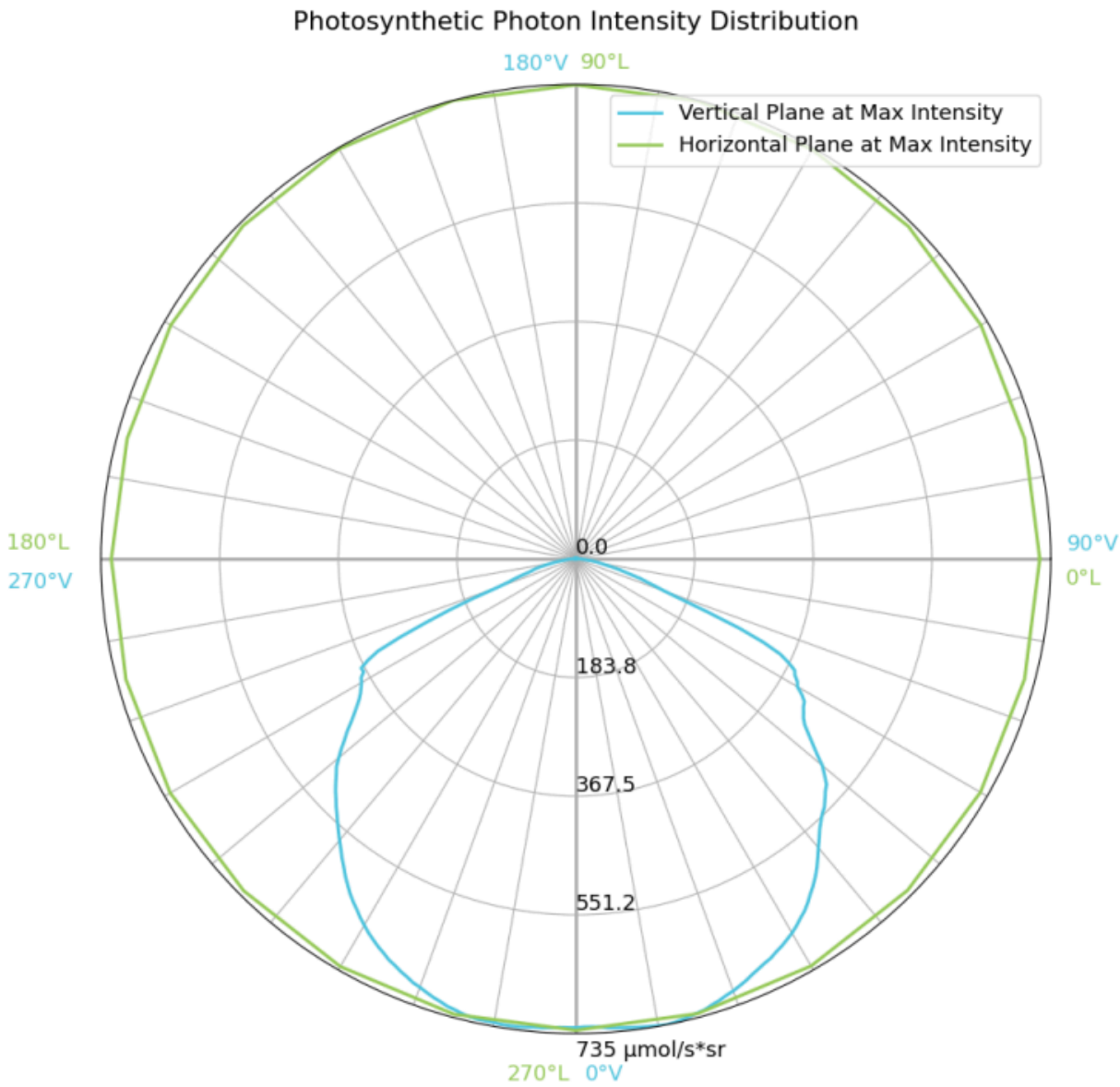
SQD
Click the
image to
zoom in.
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[Image](#)

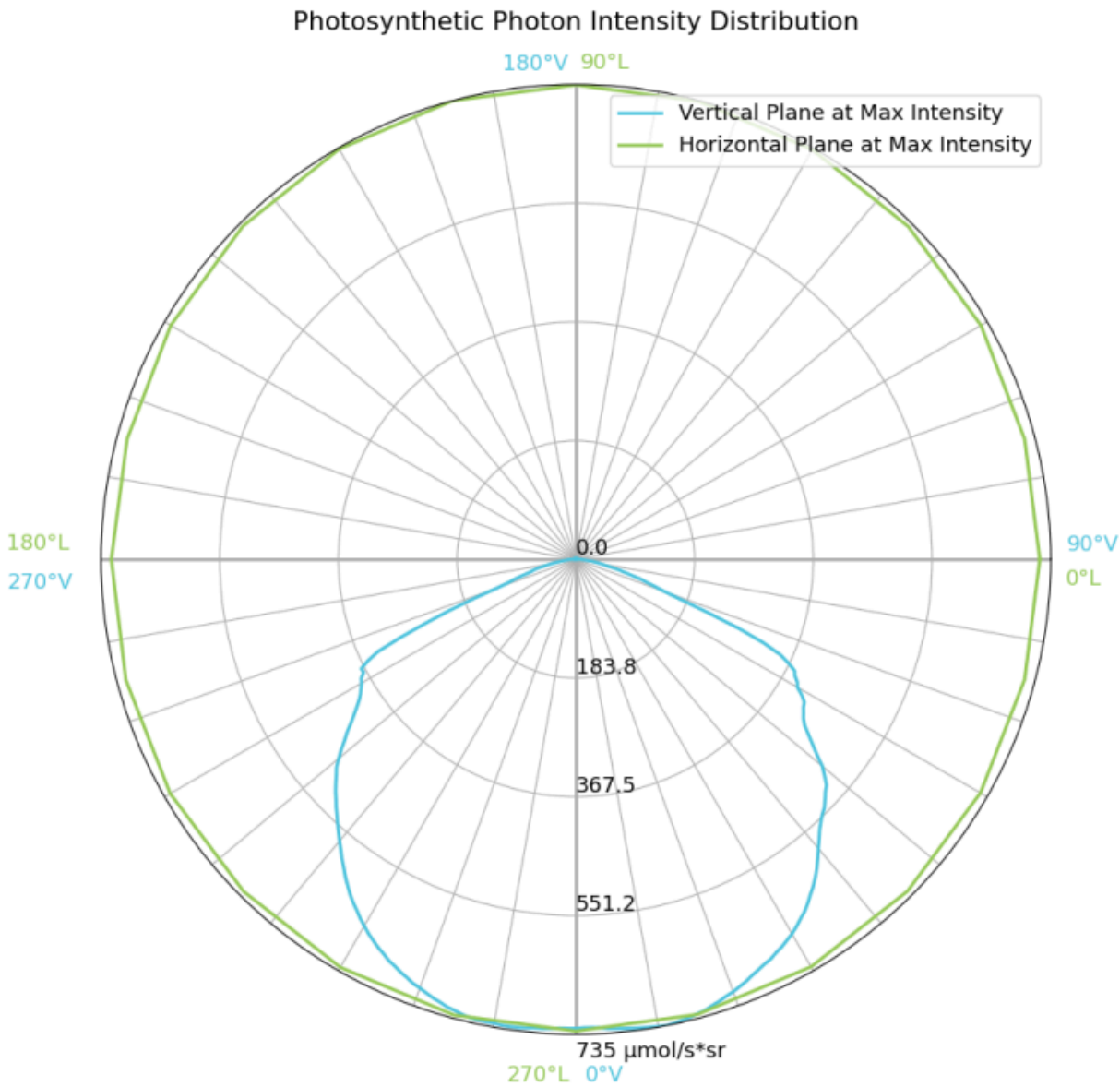


Spectral Quantum Distribution



PPID
Click the
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VERSION HISTORY VIEW DETAILS

2025-04-30	Listed	4
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