

DesignLights Consortium



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|-----------------|--|
| Model Number | FLL-91001 |
| Product Name | Full Spectrum High PPE 900W LED grow light |
| Product ID | H-R4YLY1 |
| QPL | Horticultural |
| Manufacturer | FloraFlex Corp. |
| Brand Name | FloraFlex |
| DLC Family Code | PPPUFS |
| Listing Status | Listed |
| Date Qualified | 2024-12-06 |

PRODUCT INFORMATION VIEW DETAILS

| | |
|--------------------------------|--|
| Qualified Product List | Horticultural |
| Product ID | H-R4YLY1 |
| Manufacturer | FloraFlex Corp. |
| Brand | FloraFlex |
| Product Name | Full Spectrum High PPE 900W LED grow light |
| Model Number | FLL-91001 |
| Technical Requirements Version | 3.0 |
| DLC Family Code | PPPUFS |
| Parent | Yes |
| Input Power Type | AC |
| Fixture Maximum Ambient Temp | 35 °C |
| Width | 40 in |
| Height | 2.76 in |
| Length | 39.6 in |
| Actively Cooling Presence | No |

PRODUCT CATEGORIZATION VIEW DETAILS

| | |
|----------------------------|--|
| Controlled Environment | Indoor (Non-stacked), Indoor (Stacked), Greenhouse |
| Lighting Scheme (Position) | Top light, Intra-canopy |
| Lighting Scheme (Use Case) | Sole-Source, Supplemental |
| Category | Horticultural Lighting Fixture |

CONTROL FEATURES VIEW DETAILS

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|---|------------------------|
| 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-12 |
| Fan Presence | No |

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

| | |
|---|------------------------|
| Reported Photosynthetic Photon Efficacy (400-700nm) | 2.7 $\mu\text{mol/J}$ |
| Reported Photosynthetic Photon Flux (400-700nm) | 2513 $\mu\text{mol/s}$ |
| Reported Minimum Photosynthetic Photon Flux | 251 $\mu\text{mol/s}$ |
| Reported Default Photosynthetic Photon Flux | 2513 $\mu\text{mol/s}$ |
| Reported Photon Flux Blue (400-500nm) | 489 $\mu\text{mol/s}$ |
| Reported Photon Flux Green (500-600nm) | 1015 $\mu\text{mol/s}$ |
| Reported Photon Flux Red (600-700nm) | 1011 $\mu\text{mol/s}$ |
| Reported Photon Flux Far Red (700-800nm) | 59 $\mu\text{mol/s}$ |

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

| | |
|------------------------------------|-----------|
| Reported Input Wattage | 900 W |
| Reported Default Input Wattage | 900 W |
| Reported Minimum Input Wattage | 90 W |
| Reported Power Factor | 0.97 |
| Voltage Range | 120-277 V |
| Reported Total Harmonic Distortion | 5.6 % |

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

| | |
|---|------------------------|
| Tested Photosynthetic Photon Efficacy (400-700nm) | 2.7 $\mu\text{mol/J}$ |
| Tested Photosynthetic Photon Flux (400-700nm) | 2513 $\mu\text{mol/s}$ |
| Tested Photon Flux Blue (400-500nm) | 489 $\mu\text{mol/s}$ |
| Tested Photon Flux Green (500-600nm) | 1015 $\mu\text{mol/s}$ |
| Tested Photon Flux Red (600-700nm) | 1011 $\mu\text{mol/s}$ |
| Tested Photon Flux Far Red (700-800nm) | 59 $\mu\text{mol/s}$ |
| Tested Voltage for Minimum Efficacy | 240 |

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

| | |
|----------------------------------|---------|
| Tested Input Wattage | 930.7 W |
| Tested Power Factor | 0.973 |
| Tested Total Harmonic Distortion | 5.6 % |

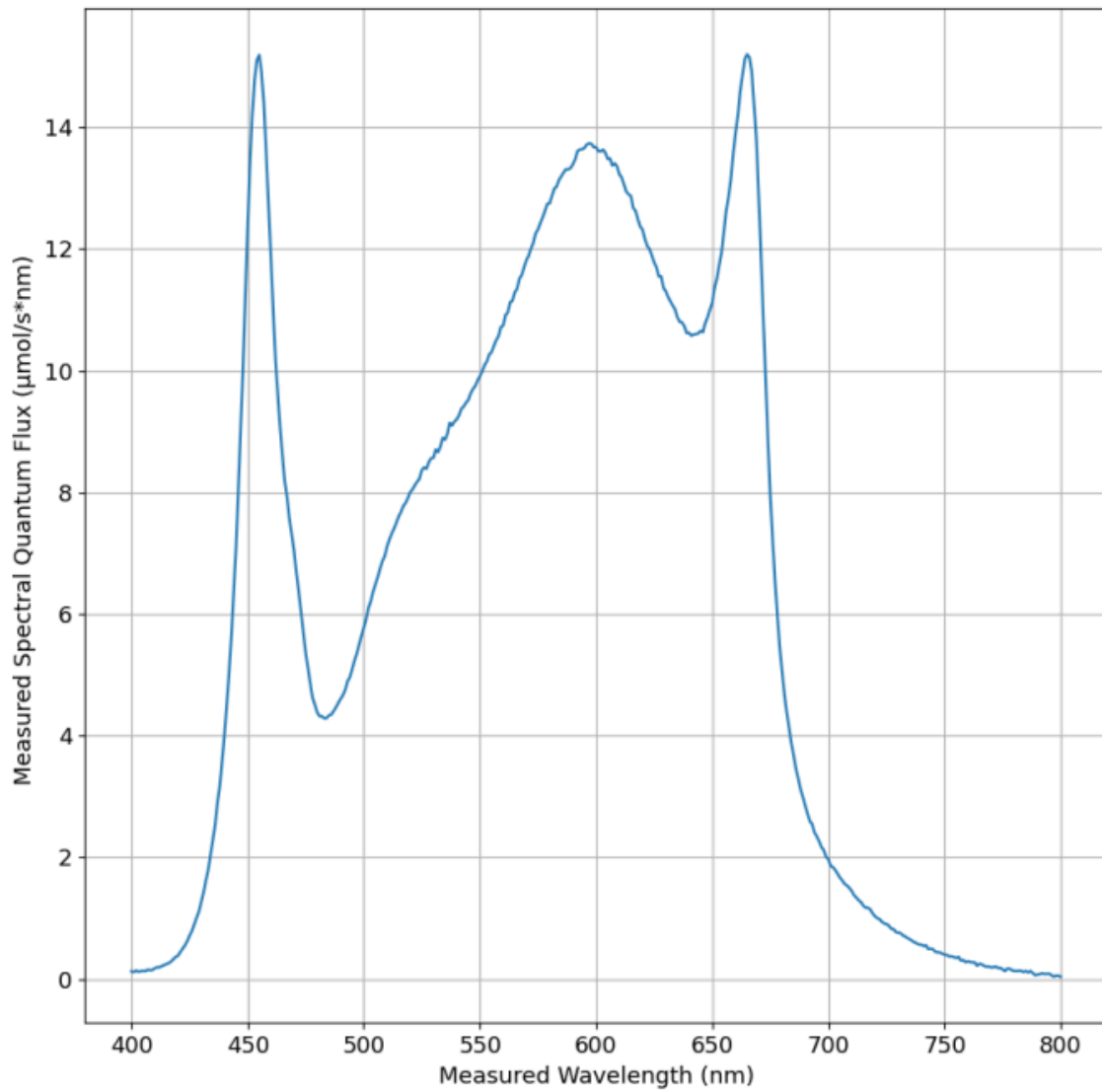
SQD/PPID VIEW DETAILS

SQD

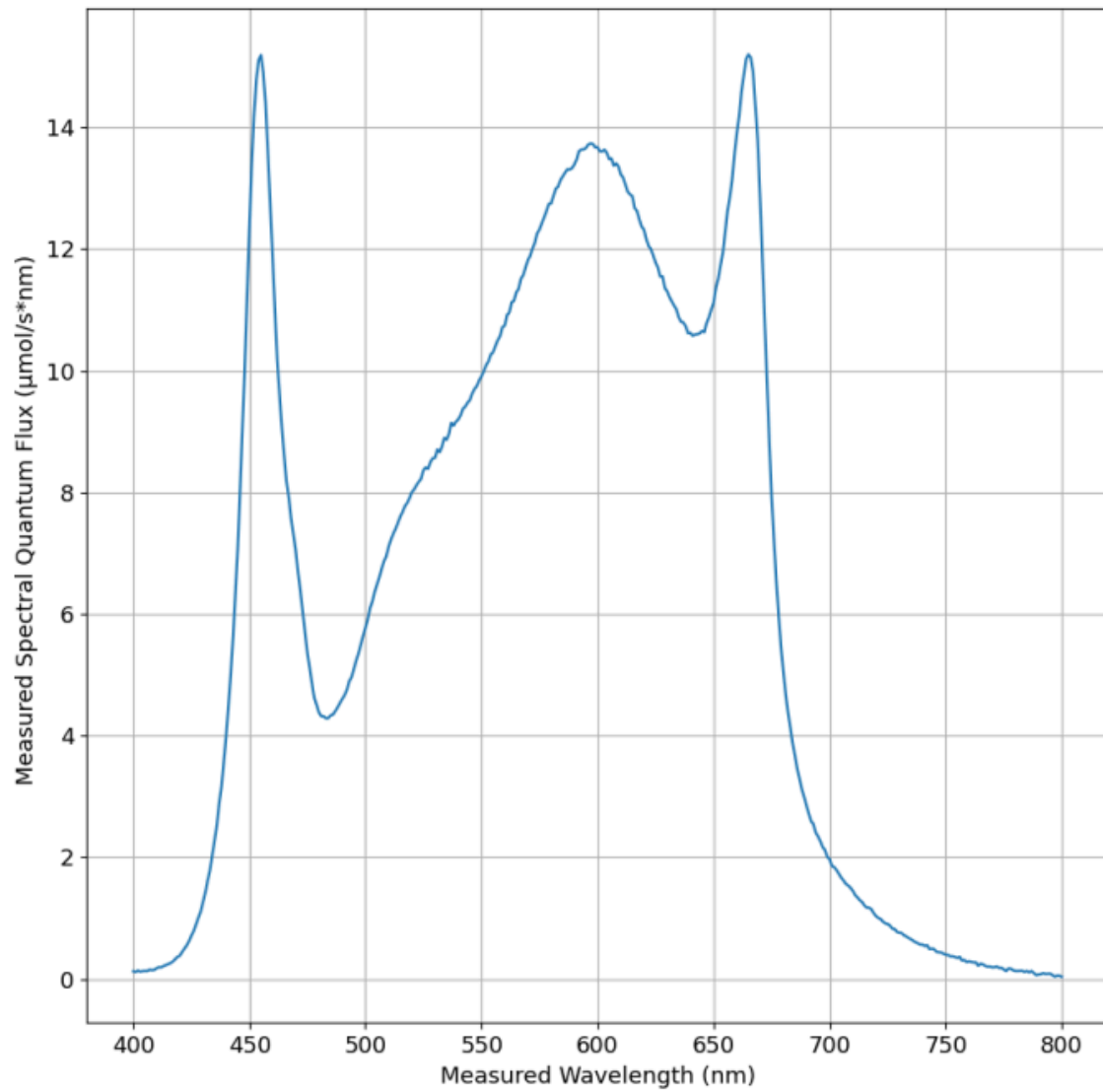
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Spectral Quantum Distribution



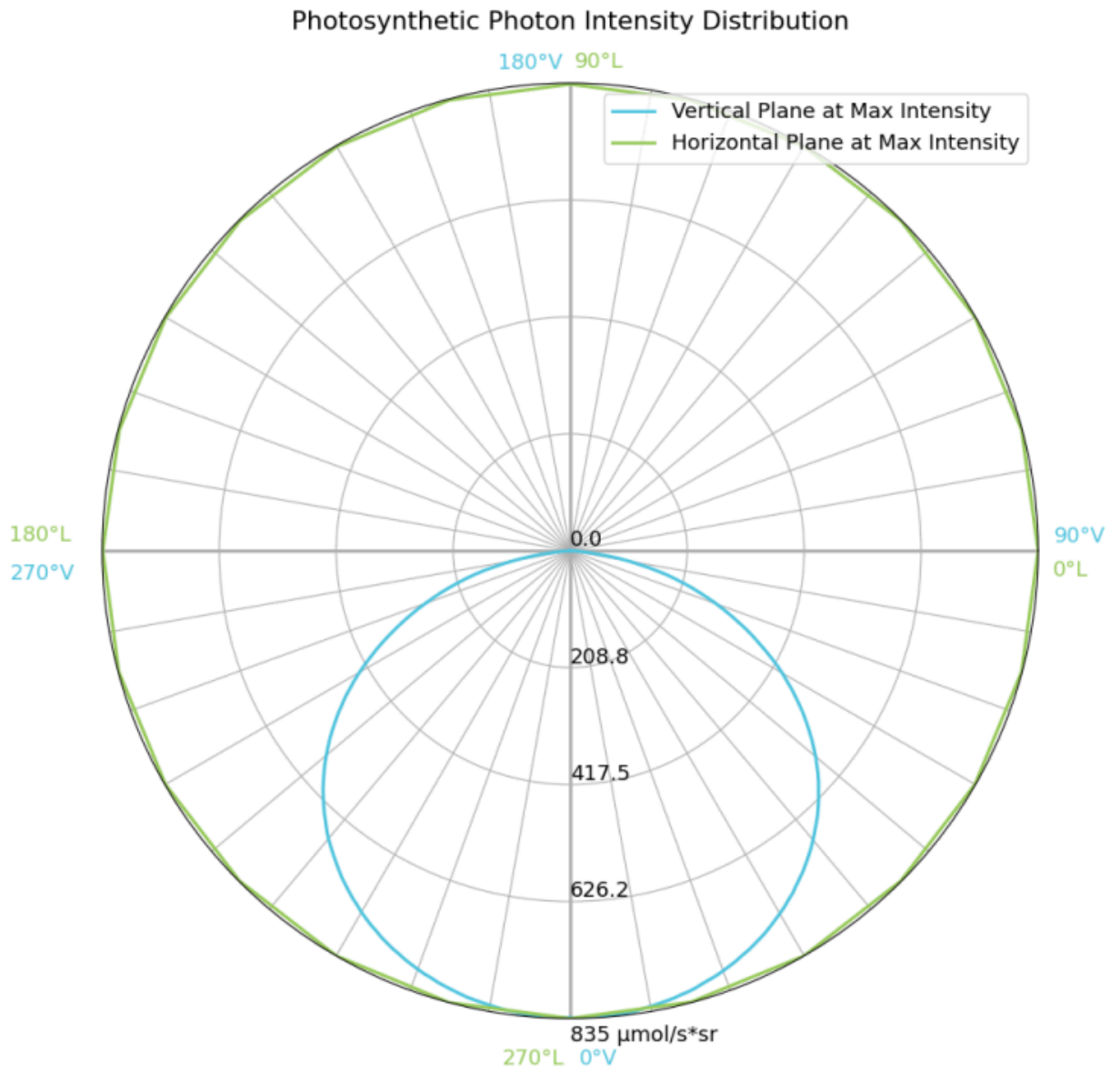
Spectral Quantum Distribution

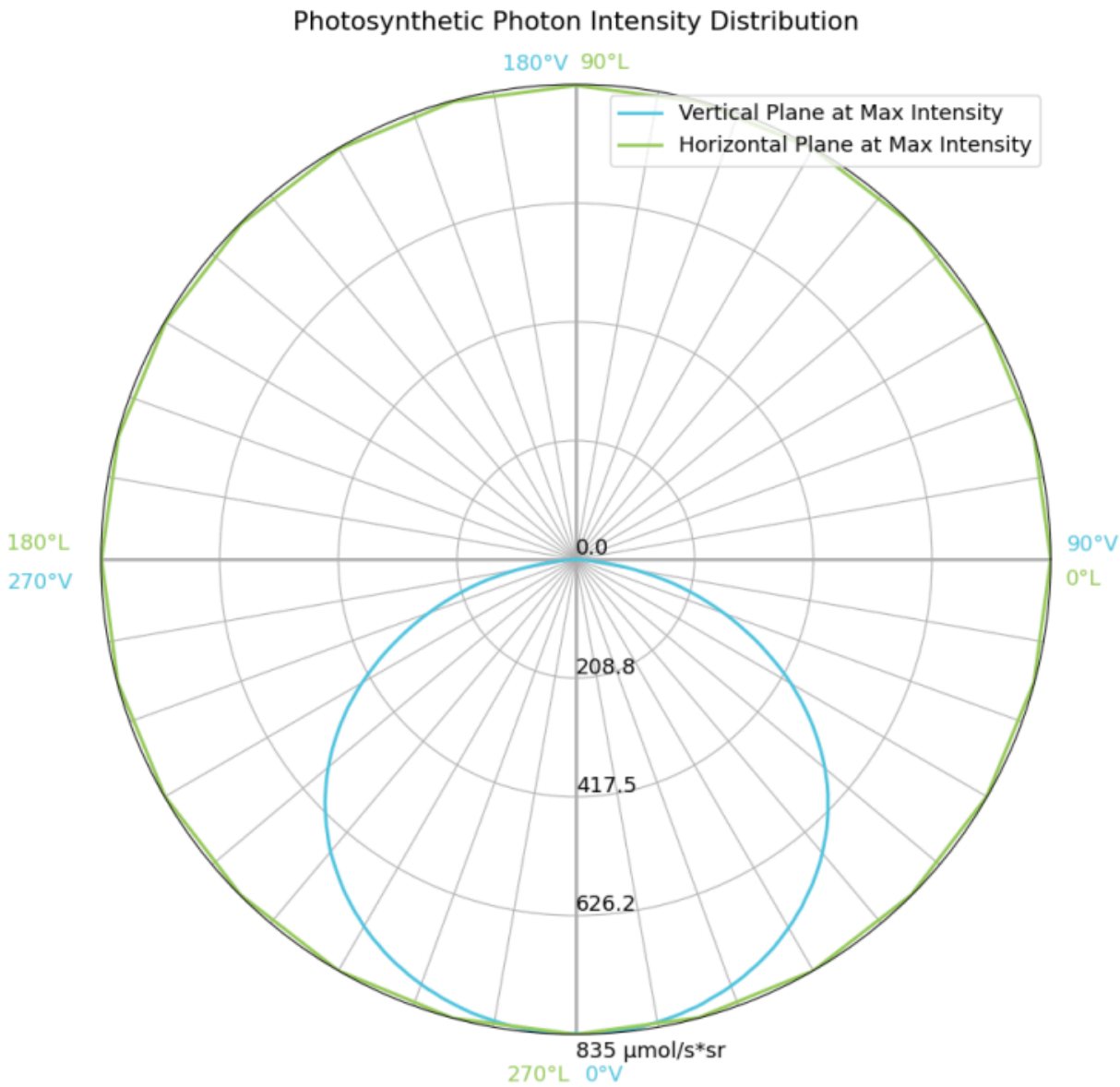


PPID

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VERSION HISTORY VIEW DETAILS

| | | |
|------------|--------|---|
| 2024-12-06 | Listed | 3 |
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