# **DesignLights Consortium**







Model Number	GMLL1500W6I2A16A2
Product Name	Tarantula Borg
Product ID	H-Y5U1TL
QPL	Horticultural
Manufacturer	GML Solutions Ltd.
Brand Name	Grand Master LEDs
Listing Status	Listed
Date Qualified	2023-10-31

# PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-Y5U1TL
Manufacturer	GML Solutions Ltd.
Brand	Grand Master LEDs
Product Name	Tarantula Borg
Model Number	GMLL1500W6I2A16A2
Technical Requirements Version	3.0
Parent	Yes
Input Power Type	AC
Fixture Maximum Ambient Temp	40 °C
Width	45.67 in
Height	4.15 in
Length	45.6 in
Actively Cooling Presence	No

#### PRODUCT CATEGORIZATION VIEW DETAILS

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

# **CONTROL FEATURES VIEW DETAILS**

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

# REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy (400-700nm)	2.65 µmol/J
Reported Photosynthetic Photon Flux (400-700nm)	4058 μmol/s
Reported Minimum Photosynthetic Photon Flux	0 μmol/s
Reported Default Photosynthetic Photon Flux	4058 μmol/s
Reported Photon Flux Blue (400-500nm)	776 μmol/s
Reported Photon Flux Green (500-600nm)	1401 μmol/s
Reported Photon Flux Red (600-700nm)	1881 μmol/s
Reported Photon Flux Far Red (700-800nm)	354 μmol/s

#### REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	1529 W
Reported Default Input Wattage	1529 W
Reported Minimum Input Wattage	0 W
Reported Power Factor	0.998
Voltage Range	100 - 277 V
Reported Total Harmonic Distortion	6 %

#### **TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS**

Tested Photosynthetic Photon Efficacy (400-700nm)	2.65 µmol/J
Tested Photosynthetic Photon Flux (400-700nm)	4058 μmol/s
Tested Photon Flux Blue (400-500nm)	776 μmol/s
Tested Photon Flux Green (500-600nm)	1401 μmol/s
Tested Photon Flux Red (600-700nm)	1881 μmol/s
Tested Photon Flux Far Red (700-800nm)	354 μmol/s

#### **TESTED ELECTRICAL PERFORMANCE VIEW DETAILS**

Tested Input Wattage	1529 W
Tested Voltage	120
Tested Power Factor	0.998
Tested Total Harmonic Distortion	5.9 %

#### **SPECTRAL TUNING PERFORMANCE VIEW DETAILS**

Spectral Channel Name 1	White1+White2+Blue LEDs 100% ON & White3 LEDs-660nm LEDs-730nm LEDs OFF
Reported Photosynthetic Photon Flux (400-700nm) Channel 1	1795 μmol/s
Reported Photon Flux Blue (400-500nm) Channel 1	656 μmol/s
Reported Photon Flux Green (500-600nm) Channel 1	828 µmol/s

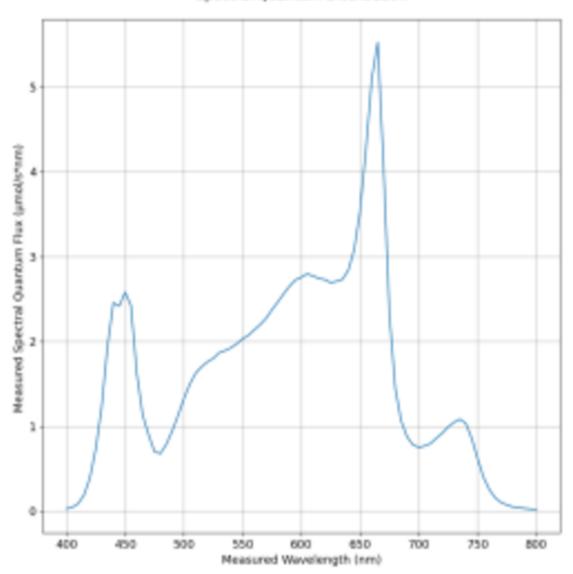
Reported Photon Flux Green (600-700mm)         311 µmol/s           Reported Photos Flux Far Red (700-800mm)         408 µmol/s           Tested Photos Flux Glev (400-500mm)         658 µmol/s           Tested Photon Flux Glev (400-500mm)         658 µmol/s           Tested Photon Flux Green (500-600mm)         658 µmol/s           Tested Photon Flux Green (500-600mm)         311 µmol/s           Tested Photon Flux Far Red (700-800mm)         20 µmol/s           Channel 1         400 µmol/s           Spectral Channel Name 2         Whites LEDs 100% ON & White 1+White2+Blue LEDs-650mm LEDs-730mm LEDs OFF           Reported Photon Flux Far Red (700-800mm)         1525 µmol/s           Reported Photon Flux Blue (400-500mm)         659 µmol/s           Reported Photon Flux Blue (400-500mm)         759 µmol/s           Reported Photon Flux Green (500-800mm)         750 µmol/s           Reported Photon Flux Red (600-700mm)         660 µmol/s           Reported Photon Flux Far Red (700-800mm)         1525 µmol/s           Reported Photon Flux Green (500-800mm)         1525 µmol/s           Channel 2         1525 µmol/s           Reported Photon Flux Green (500-800mm)         1525 µmol/s           Channel 2         1525 µmol/s           Channel 2         1525 µmol/s           Channel 3         1525 µm		
800mm Okament I         24 jillions           Tosked Photor Plux Green (500-500mm)         1786 jillions           Tested Photor Flux Green (600-500mm)         88 jillions           Tested Photor Flux Green (600-700mm)         311 jillions           Tested Photor Flux Far Red (700-800mm)         311 jillions           Tested Photor Flux Far Red (700-800mm)         20 jillions           Tested Photor Flux Far Red (700-800mm)         20 jillions           Reported Photor Flux Far Red (700-800mm)         1525 jillions           Reported Photor Flux Far Red (700-800mm)         255 jillions           Reported Photor Flux Sillions         39 jillions           Reported Photor Flux Sillions         39 jillions           Reported Photor Flux Far Red (600-500mm)         256 jillions           Reported Photor Flux Far Red (600-700mm)         80 jillions           Reported Photor Flux Far Red (700-800mm)         80 jillions           Reported Photor Flux Far Red (700-800mm)         1576 jillions           Reported Photor Flux Far Red (700-800mm)         1576 jillions           Reported Photor Flux Red (600-700mm)         1576 jillions           Reported Photor Flux Red (600-700mm)         260 jillions           Tested Photor Flux Red (600-800mm)         270 jillions           Tested Photor Flux Red (600-800mm)         10 jillions		311 μmol/s
Toolning Channel 1         Test plus in Minister Channel 2           Channel 1         158 plus in Minister Channel 2           Tastad Photon Flux Green (500-600m)         32 pmol/s           Tastad Photon Flux Face (600-700m)         311 pmol/s           Tested Photon Flux Face (700-800m)         20 pmol/s           Spectral Channel Name 2         White3 LEDS 100% ON & White1+White2-Blue LEDs-660m LEDs-730m LEDs OFF           Reported Photon Flux Blue (400-800m)         \$25 pmol/s           Reported Photon Flux Green (500-600m)         \$6 pmol/s           Reported Photon Flux Green (500-600m)         \$6 pmol/s           Reported Photon Flux Green (500-600m)         \$6 pmol/s           Reported Photon Flux Green (500-600m)         \$2 pmol/s           Reported Photon Flux Green (500-600m)         \$2 pmol/s           Channel 2         \$2 pmol/s           Reported Photon Flux Ked (600-700m)         \$2 pmol/s           Tested Photon Flux Blue (400-500m)         \$2 pmol/s           Tested Photon Flux Green (500-600m)         \$6 pmol/s           Tested Photon Flux Green (500-600m)         \$6 pmol/s           Tested Photon Flux Green (500-600m)         \$6 pmol/s           Tested Photon Flux Far Red (700-800m)         \$2 pmol/s           Tested Photon Flux Far Red (600-700m)         \$1 pmol/s           Reporte	Reported Photon Flux Far Red (700-800nm) Channel 1	20 μmol/s
Channel 1         Social Photon Flux Green (500-600nm)         258 μmol/s           Tested Photon Flux Red (600-700nm)         311 μmol/s           Tested Photon Flux Red (700-800nm)         20 μmol/s           Spectral Channel Name 2         While3 LEDa 100% ON & While1+While2+Blue LEDa-660nm LEDa-730nm LEDa OFF           Reported Photon Flux Blue (400-500nm)         252 μmol/s           Reported Photon Flux Green (500-800nm)         576 μmol/s           Reported Photon Flux Red (600-700nm)         576 μmol/s           Reported Photon Flux Red (600-700nm)         576 μmol/s           Reported Photon Flux Red (600-700nm)         576 μmol/s           Reported Photon Flux Red (700-800nm)         576 μmol/s           Reported Photon Flux Red (700-800nm)         525 μmol/s           Tested Photon Flux Green (500-600nm)         576 μmol/s           Tested Photon Flux Red (700-800nm)         576 μmol/s           Tested Photon Flux Red (700-800nm)         576 μmol/s           Tested Photon Flux Red (600-700nm)         600 μmol/s           Tested Photon Flux Red (700-800nm)         52 μmol/s           Tested Photon Flux Far Red (700-800nm)         52 μmol/s           Tested Photon Flux Far Red (700-800nm)         742 μmol/s           Reported Photon Flux Red (600-700nm)         1 μmol/s           Reported Photon Flux Red (600-700nm) </td <td></td> <td>1795 μmol/s</td>		1795 μmol/s
Channel 1         See printins           1 Ested Photon Flux Red (600-700nm)         311 μmol/s           Tested Photon Flux Far Red (700-800nm)         20 μmol/s           Spectral Channel Name 2         White3 LEDs 100% ON & White1+White2+Blue LEDs-680nm LEDs-730nm LEDs OFF           Reported Photon Flux Blue (400-500nm)         1525 μmol/s           Reported Photon Flux Blue (400-500nm)         90 μmol/s           Reported Photon Flux Red (600-700nm)         860 μmol/s           Reported Photon Flux Red (600-700nm)         860 μmol/s           Reported Photon Flux Red (700-800nm)         252 μmol/s           Reported Photon Flux Red (700-800nm)         860 μmol/s           Tested Photon Flux Red (700-800nm)         1525 μmol/s           Tested Photon Flux Red (700-800nm)         90 μmol/s           Tested Photon Flux Red (800-700nm)         90 μmol/s           Tested Photon Flux Red (800-700nm)         256 μmol/s           Tested Photon Flux Red (800-700nm)         21 μmol/s           Reported Photon Flux Ked (800-700nm)         14 μmol/s           Reported Photon Flux Red (800-700nm)         14 μmol/s           <		656 μmol/s
Channel 1         STI pillotos           Channel 1         20 μmol/s           Spectral Channel Name 2         White3 LEDs 100% ON & White1+White2+Blue LEDs-660nm LEDs-730nm LEDs OFF           Reported Photon Flux (400-500nm)         1525 μmol/s           Reported Photon Flux Blue (400-500nm)         369 μmol/s           Reported Photon Flux Green (500-600nm)         576 μmol/s           Reported Photon Flux Red (600-700nm)         576 μmol/s           Reported Photon Flux Far Red (700- 800nm) Channel 2         82 μmol/s           Reset Photos Flux Far Red (700- 800nm) Channel 2         89 μmol/s           Tested Photos Flux Blue (400-500nm)         576 μmol/s           Tested Photos Flux Red (600-700nm)         576 μmol/s           Tested Photos Flux Red (600-700nm)         576 μmol/s           Tested Photos Flux Red (600-700nm)         576 μmol/s           Tested Photon Flux Red (600-700nm)         576 μmol/s           Tested Photon Flux Red (600-700nm)         576 μmol/s           Tested Photon Flux Far Red (700-800nm)         576 μmol/s           Tested Photon Flux Far Red (700-800nm)         572 μmol/s           Reported Photosynthetic Photon Flux (400-700nm)         742 μmol/s           Reported Photosynthetic Photon Flux (400-700nm)         1 μmol/s           Reported Photon Flux Red (600-700nm)         740 μmol/s		828 μmol/s
Channel 1         20 Jinoles           Spectral Channel Name 2         White3 EDS 100% ON & White1+White2+Blue LEDs-660nn LEDs-730nm LEDs OFF           Reported Photosynthetic Photon Flux (4000 700nm) Channel 2         1525 jinol/s           Reported Photon Flux Blue (4000-500nm) Channel 2         576 jinol/s           Reported Photon Flux Green (500-600nm) Channel 2         800 jinol/s           Reported Photon Flux Far Red (700-800nm) Channel 2         1525 jinol/s           Reported Photon Flux Far Red (700-800nm) Channel 2         1525 jinol/s           Tested Photon Flux Blue (400-500nm) Channel 2         1525 jinol/s           Tested Photon Flux Red (600-700nm) Channel 2         9 jinol/s           Tested Photon Flux Red (600-700nm) Channel 2         576 jinol/s           Tested Photon Flux Red (600-700nm) Channel 2         80 jinol/s           Tested Photon Flux Red (600-700nm) Channel 3         82 jinol/s           Tested Photon Flux Red (600-700nm) Channel 3         82 jinol/s           Reported Photosynthetic Photon Flux (400 700nm) Channel 3         1 jinol/s           Reported Photon Flux Blue (400-500nm) Channel 3         1 jinol/s           Reported Photon Flux Blue (400-500nm) Channel 3         1 jinol/s           Reported Photon Flux Red (600-700nm) Channel 3         1 jinol/s           Reported Photon Flux Red (600-700nm) Channel 3         1 jinol/s		311 μmol/s
Reported Photosynthetic Photon Flux (400-700nm) Channel 2         1525 µmol/s           Reported Photon Flux Blue (400-500nm) Channel 2         576 µmol/s           Reported Photon Flux Red (600-700nm) Channel 2         576 µmol/s           Reported Photon Flux Red (600-700nm) Channel 2         80 µmol/s           Reported Photon Flux Far Red (700-800nm) Channel 2         82 µmol/s           Tested Photon Flux Blue (400-500nm) Channel 2         1525 µmol/s           Tested Photon Flux Rue (600-700nm) Channel 2         89 µmol/s           Tested Photon Flux Rue (600-700nm) Channel 2         89 µmol/s           Tested Photon Flux Red (600-700nm) Channel 2         800 µmol/s           Tested Photon Flux Red (600-700nm) Channel 2         800 µmol/s           Tested Photon Flux Red (600-700nm) Channel 2         82 µmol/s           Tested Photon Flux Red (600-700nm) Channel 2         82 µmol/s           Reported Photon Flux Red (700-800nm) Channel 3         860 µmol/s           Reported Photon Flux Red (700-800nm) Channel 3         742 µmol/s           Reported Photon Flux Blue (400-500nm) Channel 3         1 µmol/s           Reported Photon Flux Green (500-600nm) Channel 3         1 µmol/s           Reported Photon Flux Red (600-700nm) Channel 3         2 µmol/s           Tested Photon Flux Red (600-700nm) Channel 3         2 µmol/s           Tested Photon Flux Red (600-700nm		20 μmol/s
700nm Channel 2         102 μ mol/s           Reported Photon Flux Blue (400-500nm)         576 μmol/s           Reported Photon Flux Red (600-700nm)         860 μmol/s           Reported Photon Flux Red (600-700nm)         820 μmol/s           Reported Photon Flux Far Red (700-800nm)         82 μmol/s           Tested Photon Flux Far Red (700-800nm)         1525 μmol/s           Tested Photon Flux Blue (400-500nm)         89 μmol/s           Tested Photon Flux Red (600-700nm)         89 μmol/s           Tested Photon Flux Red (600-700nm)         860 μmol/s           Tested Photon Flux Red (600-700nm)         82 μmol/s           Tested Photon Flux Red (600-700nm)         82 μmol/s           Reported Photon Flux Red (700-800nm)         82 μmol/s           Reported Photon Flux Red (700-800nm)         74 μmol/s           Reported Photon Flux Blue (400-500nm)         1 μmol/s           Reported Photon Flux Blue (400-500nm)         1 μmol/s           Reported Photon Flux Red (600-700nm)         2 μmol/s           Reported Photon Flux Far Red (700-800nm)         1 μmol/s           Reported Photon Flux Far Red (700-800n	Spectral Channel Name 2	White3 LEDs 100% ON & White1+White2+Blue LEDs-660nm LEDs-730nm LEDs OFF
Channel 2         55 pinchs           Reported Photon Flux Green (500-600m)         576 pmol/s           Reported Photon Flux Red (600-700m)         860 µmol/s           Reported Photon Flux Far Red (700-800m)         82 µmol/s           Tested Photosynthetic Photon Flux (400-500nm)         1255 µmol/s           Tested Photor Flux Blue (400-500nm)         89 µmol/s           Tested Photor Flux Green (500-600nm)         576 µmol/s           Tested Photor Flux Red (600-700nm)         860 µmol/s           Tested Photor Flux Green (500-600nm)         360 µmol/s           Tested Photor Flux Red (600-700nm)         82 µmol/s           Tested Photor Flux Far Red (700-800nm)         22 µmol/s           Tested Photor Flux Far Red (700-800nm)         22 µmol/s           Reported Photorsynthetic Photor Flux (400-700nm)         742 µmol/s           Reported Photor Flux Blue (400-500nm)         1 µmol/s           Reported Photor Flux Green (500-600nm)         1 µmol/s           Reported Photor Flux Green (500-600nm)         1 µmol/s           Reported Photor Flux Red (600-700nm)         2 µmol/s           Reported Photor Flux Red (600-700nm)         0 µmol/s           Tested Photor Flux Far Red (700-800nm)         0 µmol/s           Tested Photor Flux Red (600-700nm)         0 µmol/s           Tested Photorynthetic		1525 μmol/s
Channel 2         57 b		89 μmol/s
Channel 2         600 μπισίες           Reported Photon Flux Far Red (700- 300nm) Channel 2         82 μmol/s           Tested Photosynthetic Photon Flux (400- 700nm) Channel 2         1525 μmol/s           Tested Photon Flux Blue (400-500nm)         89 μmol/s           Tested Photon Flux Green (500-600nm)         576 μmol/s           Tested Photon Flux Red (600-700nm)         880 μmol/s           Tested Photon Flux Far Red (700-800nm)         82 μmol/s           Channel 2         42 μmol/s           Spectral Channel Name 3         660nm LEDs 100% ON & White 1+White 2+Blue LEDs-White 3 LEDs-730nm LEDs OFF           Reported Photosynthetic Photon Flux (400-700nm)         742 μmol/s           Reported Photon Flux Green (500-600nm)         1 μmol/s           Channel 3         1 μmol/s           Reported Photon Flux Red (600-700nm)         740 μmol/s           Reported Photon Flux Red (600-700nm)         740 μmol/s           Reported Photon Flux Red (600-700nm)         2 μmol/s           Reported Photon Flux Red (600-700nm)         1 μmol/s           Tested Photon Flux Blue (400-500nm)         1 μmol/s           Tested Photon Flux Green (500-600nm)         1 μmol/s           Tested Photon Flux Green (500-600nm)         1 μmol/s           Tested Photon Flux Green (500-600nm)         1 μmol/s           Test		576 μmol/s
800nn Channel 2         52 μπου/s           Tested Photosynthetic Photon Flux (400-700nm)         1525 μmol/s           Tested Photon Flux Blue (400-500nm)         89 μmol/s           Tested Photon Flux Green (500-600nm)         576 μmol/s           Tested Photon Flux Green (500-600nm)         860 μmol/s           Tested Photon Flux Red (600-700nm)         860 μmol/s           Tested Photon Flux Far Red (700-800nm)         22 μmol/s           Spectral Channel Name 3         660nm LEDs 100% ON & White1+White2+Blue LEDs-White3 LEDs-730nm LEDs OFF           Reported Photosynthetic Photon Flux (400-700nm)         742 μmol/s           Reported Photon Flux Blue (400-500nm)         0 μmol/s           Reported Photon Flux Green (500-600nm)         1 μmol/s           Reported Photon Flux Red (600-700nm)         740 μmol/s           Reported Photon Flux Red (600-700nm)         2 μmol/s           Tested Photon Flux Blue (400-500nm)         0 μmol/s           Tested Photon Flux Blue (400-500nm)         0 μmol/s           Tested Photon Flux Blue (400-500nm)         0 μmol/s           Tested Photon Flux Blue (400-500nm)         1 μmol/s           Tested Photon Flux Blue (400-500nm)         1 μmol/s           Tested Photon Flux Green (500-600nm)         1 μmol/s           Tested Photon Flux Green (500-600nm)         1 μmol/s		860 μmol/s
700mm) Channel 2         1929 μmol/s           Tested Photon Flux Blue (400-500nm) Channel 2         89 μmol/s           Tested Photon Flux Green (500-600nm) Channel 2         576 μmol/s           Tested Photon Flux Red (600-700nm) Channel 2         860 μmol/s           Tested Photon Flux Far Red (700-800nm) Channel 2         82 μmol/s           Spectral Channel Name 3         660nm LEDs 100% ON & White1+White2+Blue LEDs-White3 LEDs-730nm LEDs OFF           Reported Photosynthetic Photon Flux (400-700nm) Channel 3         742 μmol/s           Reported Photon Flux Blue (400-500nm) Channel 3         1 μmol/s           Reported Photon Flux Green (500-600nm) Channel 3         1 μmol/s           Reported Photon Flux Red (600-700nm) Channel 3         740 μmol/s           Reported Photon Flux Far Red (700-800nm) Channel 3         2 μmol/s           Tested Photon Flux Far Red (700-800nm) Channel 3         1 μmol/s           Tested Photon Flux Green (500-600nm) Channel 3         742 μmol/s           Tested Photon Flux Green (500-600nm) Channel 3         1 μmol/s           Tested Photon Flux Red (600-700nm) Channel 3         742 μmol/s           Tested Photon Flux Red (600-700nm) Channel 3         1 μmol/s           Tested Photon Flux Red (600-700nm) Channel 3         1 μmol/s		82 μmol/s
Channel 2         65 μπο//s           Tested Photon Flux Green (500-600nm) Channel 2         576 μmo//s           Tested Photon Flux Red (600-700nm) Channel 2         860 μmo//s           Tested Photon Flux Far Red (700-800nm) Channel 3         82 μmo//s           Reported Photosynthetic Photon Flux (400-700nm) Channel 3         660nm LEDs 100% ON & White1+White2+Blue LEDs-White3 LEDs-730nm LEDs OFF           Reported Photosynthetic Photon Flux (400-700nm) Channel 3         0 μmo//s           Reported Photon Flux Blue (400-500nm) Channel 3         1 μmo//s           Reported Photon Flux Green (500-600nm) Channel 3         740 μmo//s           Reported Photon Flux Red (600-700nm) Channel 3         740 μmo//s           Reported Photon Flux Far Red (700-800nm) Channel 3         2 μmo//s           Tested Photon Flux Blue (400-500nm) Channel 3         0 μmo//s           Tested Photon Flux Green (500-600nm) Channel 3         1 μmo//s           Tested Photon Flux Green (500-600nm) Channel 3         1 μmo//s           Tested Photon Flux Green (500-600nm) Channel 3         1 μmo//s           Tested Photon Flux Red (600-700nm) Channel 3         1 μmo//s           Tested Photon Flux Red (600-700nm) Channel 3         1 μmo//s		1525 μmol/s
Channel 2         376 μmol/s           Tested Photon Flux Red (600-700nm) Channel 2         860 μmol/s           Spectral Channel Name 3         660nm LEDs 100% ON & White1+White2+Blue LEDs-White3 LEDs-730nm LEDs OFF           Reported Photosynthetic Photon Flux (400-700nm) Channel 3         742 μmol/s           Reported Photon Flux Blue (400-500nm) Channel 3         0 μmol/s           Reported Photon Flux Green (500-600nm) Channel 3         1 μmol/s           Reported Photon Flux Red (600-700nm) Channel 3         740 μmol/s           Reported Photon Flux Far Red (700-800nm) Channel 3         2 μmol/s           Reported Photon Flux Far Red (700-800nm) Channel 3         2 μmol/s           Tested Photon Flux Blue (400-500nm) Channel 3         0 μmol/s           Tested Photon Flux Green (500-600nm) Channel 3         1 μmol/s           Tested Photon Flux Green (500-600nm) Channel 3         742 μmol/s           Tested Photon Flux Green (500-600nm) Channel 3         1 μmol/s           Tested Photon Flux Green (500-600nm) Channel 3         1 μmol/s           Tested Photon Flux Red (600-700nm) Channel 3         1 μmol/s           Tested Photon Flux Far Red (700-800nm)         2 μmol/s		89 μmol/s
Channel 2 Tested Photon Flux Far Red (700-800nm) Channel Name 3 Reported Photosynthetic Photon Flux (400-700nm) Channel 3 Reported Photon Flux Blue (400-500nm) Channel 3 Reported Photon Flux Green (500-600nm) Channel 3 Reported Photon Flux Red (600-700nm) Channel 3 Reported Photon Flux Far Red (700-800nm) Channel 3 Reported Photon Flux Far Red (700-800nm) Channel 3 Reported Photon Flux Far Red (700-800nm) Channel 3 Tested Photon Flux Far Red (700-800nm) Channel 3 Tested Photon Flux Green (500-600nm) Channel 3 Tested Photon Flux Red (600-700nm)		576 μmol/s
Channel 262 μπισι/sSpectral Channel Name 3660nm LEDs 100% ON & White1+White2+Blue LEDs-White3 LEDs-730nm LEDs OFFReported Photosynthetic Photon Flux (400-700nm) Channel 3742 μmol/sReported Photon Flux Green (500-600nm) Channel 31 μmol/sReported Photon Flux Red (600-700nm) Channel 3740 μmol/sReported Photon Flux Far Red (700-800nm) Channel 32 μmol/sReported Photon Flux Far Red (700-800nm) Channel 30 μmol/sTested Photon Flux Blue (400-500nm) Channel 30 μmol/sTested Photosynthetic Photon Flux (400-700nm) Channel 3742 μmol/sTested Photosynthetic Photon Flux (400-700nm) Channel 3742 μmol/sTested Photon Flux Green (500-600nm) Channel 31 μmol/sTested Photon Flux Green (500-600nm) Channel 31 μmol/sTested Photon Flux Green (500-600nm) Channel 31 μmol/s		860 μmol/s
Reported Photosynthetic Photon Flux (400-700nm) Channel 3  Reported Photon Flux Blue (400-500nm) 0 µmol/s  Reported Photon Flux Green (500-600nm) 1 µmol/s  Reported Photon Flux Red (600-700nm) 740 µmol/s  Reported Photon Flux Far Red (700-800nm) 2 µmol/s  Reported Photon Flux Far Red (700-800nm) 2 µmol/s  Tested Photon Flux Blue (400-500nm) 0 µmol/s  Tested Photosynthetic Photon Flux (400-700nm) 1 µmol/s  Tested Photosynthetic Photon Flux (400-700nm) 1 µmol/s  Tested Photon Flux Green (500-600nm) 1 µmol/s  Tested Photon Flux Green (500-600nm) 1 µmol/s  Tested Photon Flux Red (600-700nm) 2 µmol/s  Tested Photon Flux Red (600-700nm) 2 µmol/s  Tested Photon Flux Red (600-700nm) 740 µmol/s		82 μmol/s
700nm) Channel 3       742 μπο/s         Reported Photon Flux Blue (400-500nm) Channel 3       0 μmol/s         Reported Photon Flux Green (500-600nm) Channel 3       1 μmol/s         Reported Photon Flux Red (600-700nm) Channel 3       740 μmol/s         Reported Photon Flux Far Red (700-800nm) Channel 3       2 μmol/s         Tested Photon Flux Blue (400-500nm) Channel 3       0 μmol/s         Tested Photosynthetic Photon Flux (400-700nm) Channel 3       742 μmol/s         Tested Photon Flux Green (500-600nm) Channel 3       1 μmol/s         Tested Photon Flux Red (600-700nm) Channel 3       1 μmol/s         Tested Photon Flux Red (600-700nm) Channel 3       740 μmol/s	Spectral Channel Name 3	660nm LEDs 100% ON & White1+White2+Blue LEDs-White3 LEDs-730nm LEDs OFF
Channel 30 μπο/sReported Photon Flux Green (500-600nm) Channel 31 μmol/sReported Photon Flux Red (600-700nm) Channel 3740 μmol/sReported Photon Flux Far Red (700-800nm) Channel 32 μmol/sTested Photon Flux Blue (400-500nm) Channel 30 μmol/sTested Photosynthetic Photon Flux (400-700nm) Channel 3742 μmol/sTested Photon Flux Green (500-600nm) Channel 31 μmol/sTested Photon Flux Green (500-600nm) Channel 31 μmol/sTested Photon Flux Red (600-700nm) Channel 3740 μmol/s	Reported Photosynthetic Photon Flux (400-700nm) Channel 3	742 μmol/s
Channel 3  Reported Photon Flux Red (600-700nm) Channel 3  Reported Photon Flux Far Red (700-800nm) Channel 3  Tested Photon Flux Blue (400-500nm) Channel 3  Tested Photosynthetic Photon Flux (400-700nm) Channel 3  Tested Photon Flux Green (500-600nm) Channel 3  Tested Photon Flux Green (500-600nm) Channel 3  Tested Photon Flux Green (500-600nm) Channel 3  Tested Photon Flux Red (600-700nm) Channel 3  Tested Photon Flux Red (600-700nm) Channel 3		0 μmol/s
Channel 3  Reported Photon Flux Far Red (700-800nm) Channel 3  Tested Photon Flux Blue (400-500nm)		1 μmol/s
800nm) Channel 32 μπο//sTested Photon Flux Blue (400-500nm) Channel 30 μmol/sTested Photosynthetic Photon Flux (400-700nm) Channel 3742 μmol/sTested Photon Flux Green (500-600nm) Channel 31 μmol/sTested Photon Flux Red (600-700nm) Channel 3740 μmol/sTested Photon Flux Far Red (700-800nm)2 μmol/s		740 μmol/s
Channel 3  Tested Photosynthetic Photon Flux (400-700nm) Channel 3  Tested Photon Flux Green (500-600nm) Channel 3  Tested Photon Flux Red (600-700nm) Channel 3  Tested Photon Flux Red (700-800nm) Channel 3  Tested Photon Flux Far Red (700-800nm) 2 μmol/s		2 μmol/s
700nm) Channel 3  Tested Photon Flux Green (500-600nm)		0 μmol/s
Channel 3  Tested Photon Flux Red (600-700nm) Channel 3  Tested Photon Flux Far Red (700-800nm) 2 umol/s	Tested Photosynthetic Photon Flux (400-700nm) Channel 3	742 µmol/s
Channel 3  Tested Photon Flux Far Red (700-800nm)  2 umpl/s		1 μmol/s
		740 µmol/s
	Tested Photon Flux Far Red (700-800nm) Channel 3	2 μmol/s

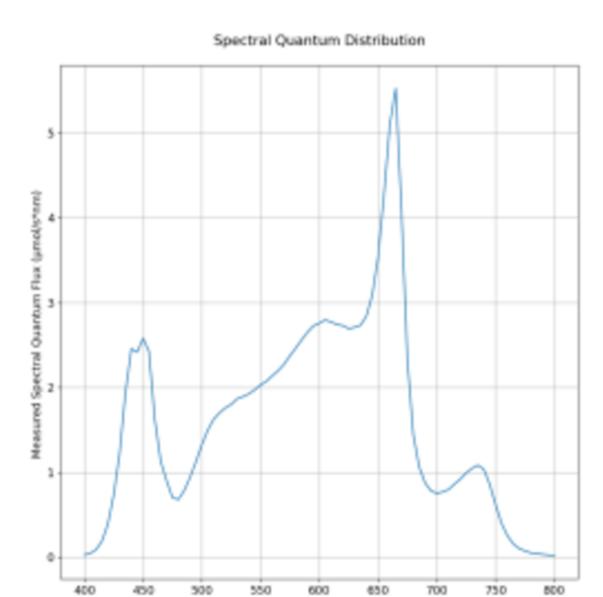
Spectral Channel Name 4	730nm LEDs 100% ON & White1+White2+Blue LEDs-White3 LEDs-660nm LEDs OFF
Reported Photosynthetic Photon Flux (400-700nm) Channel 4	23 μmol/s
Reported Photon Flux Red (600-700nm) Channel 4	23 μmol/s
Reported Photon Flux Far Red (700-800nm) Channel 4	208 μmol/s
Tested Photosynthetic Photon Flux (400-700nm) Channel 4	23 μmol/s
Tested Photon Flux Blue (400-500nm) Channel 4	0 μmol/s
Tested Photon Flux Green (500-600nm) Channel 4	0 μmol/s
Tested Photon Flux Red (600-700nm) Channel 4	22 μmol/s
Tested Photon Flux Far Red (700-800nm) Channel 4	208 μmol/s
Reported Photosynthetic Photon Flux (400-700nm) Channel 5	0 μmol/s
Reported Photon Flux Blue (400-500nm) Channel 5	0 μmol/s
Reported Photon Flux Green (500-600nm) Channel 5	0 μmol/s
Reported Photon Flux Red (600-700nm) Channel 5	0 μmol/s
Reported Photon Flux Far Red (700-800nm) Channel 5	0 μmol/s

# **SQD/PPID VIEW DETAILS**

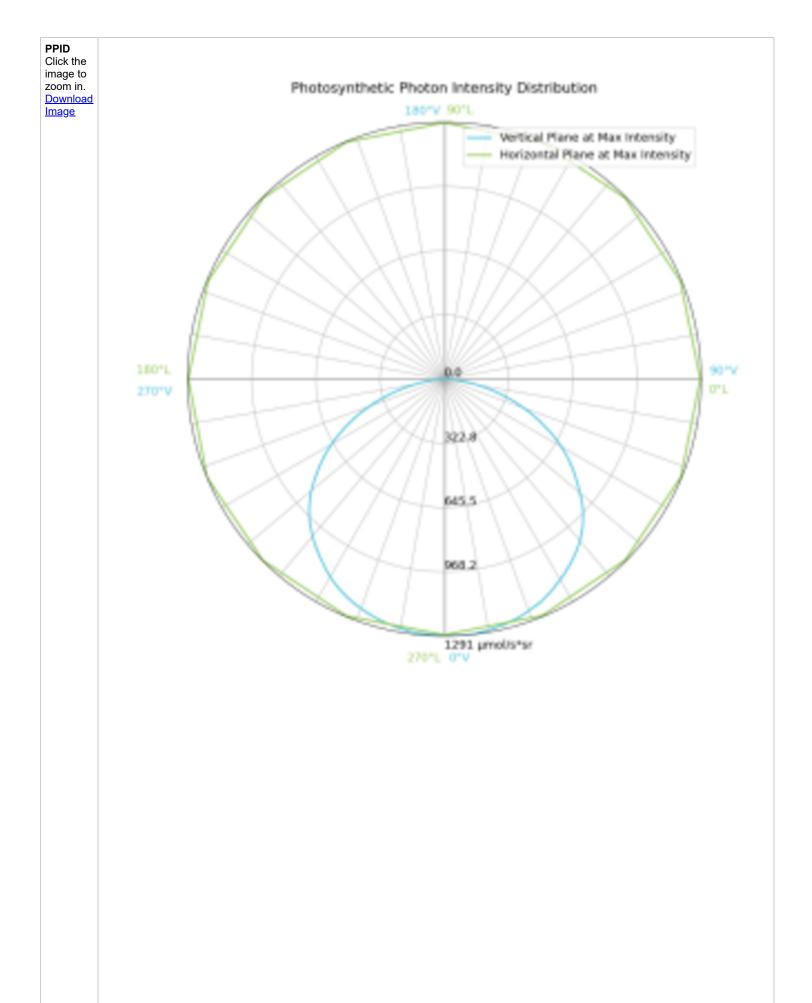
SQD Click the image to zoom in. Download Image

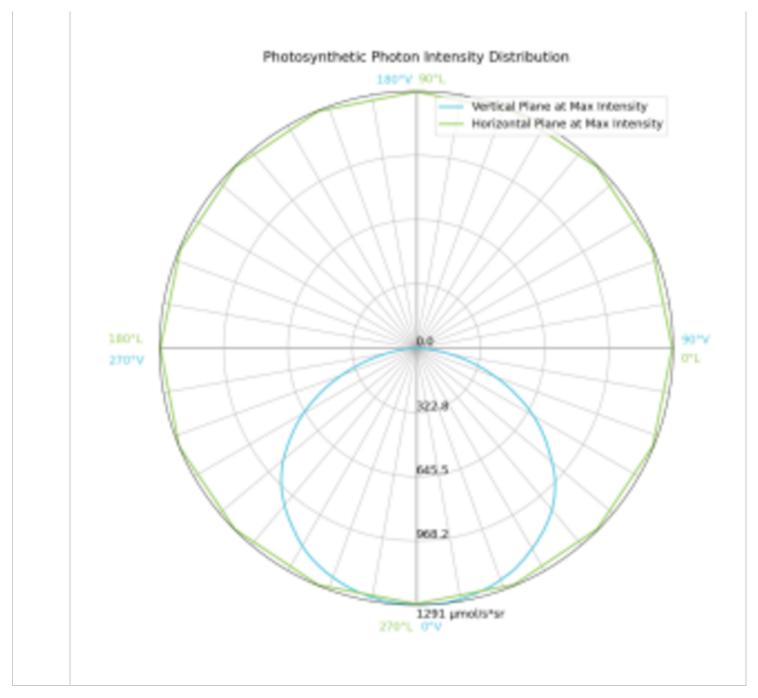
# Spectral Quantum Distribution





Measured Wavelength (nm)





# **VERSION HISTORY VIEW DETAILS**

2023-10-31 Listed 3.0
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