DesignLights Consortium

Model Number	GMLL700W1I800P4
Product Name	TARANTULA LONG LEG
Product ID	H-H68S2E
QPL	Horticultural
Manufacturer	GML Solutions Ltd.
Brand Name	Grand Master LEDs
DLC Family Code	NNNPHZ
Listing Status	Listed
Date Qualified	2022-08-11

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-H68S2E
Manufacturer	GML Solutions Ltd.
Brand	Grand Master LEDs
Product Name	TARANTULA LONG LEG
Model Number	GMLL700W1I800P4
Technical Requirements Version	2.1
DLC Family Code	NNNPHZ
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	Yes
Dimmable	Yes

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy	2.77 µmol/J

(400-700nm)	
Reported Photosynthetic Photon Flux (400-700nm)	2041 µmol/s
Reported Photon Flux Blue (400-500nm)	358 µmol/s
Reported Photon Flux Green (500-600nm)	783 µmol/s
Reported Photon Flux Red (600-700nm)	900 µmol/s
Reported Photon Flux Far Red (700-800nm)	191 µmol/s

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Voltage Range	100 - 277 V
Reported Input Wattage	736 W
Reported Power Factor	0.996
Reported Total Harmonic Distortion	5 %

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Photosynthetic Photon Efficacy (400-700nm)	2.77 µmol/J
Tested Photosynthetic Photon Flux (400-700nm)	2041 µmol/s
Tested Photon Flux Blue (400-500nm)	358 µmol/s
Tested Photon Flux Green (500-600nm)	783 µmol/s
Tested Photon Flux Red (600-700nm)	900 µmol/s
Tested Photon Flux Far Red (700-800nm)	191 µmol/s

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

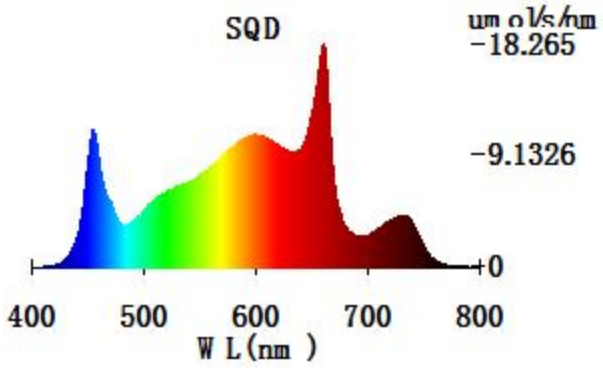
Tested Input Wattage	736.1 W
Tested Voltage	120
Tested Power Factor	0.954
Tested Total Harmonic Distortion	7.9 %

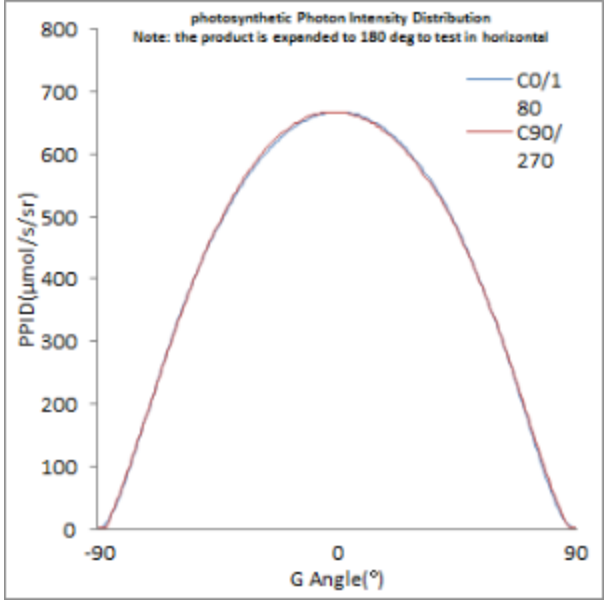
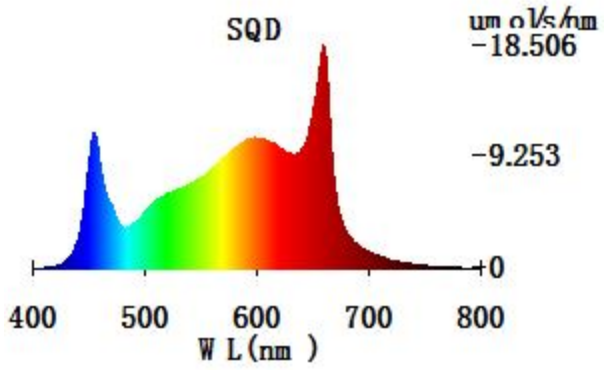
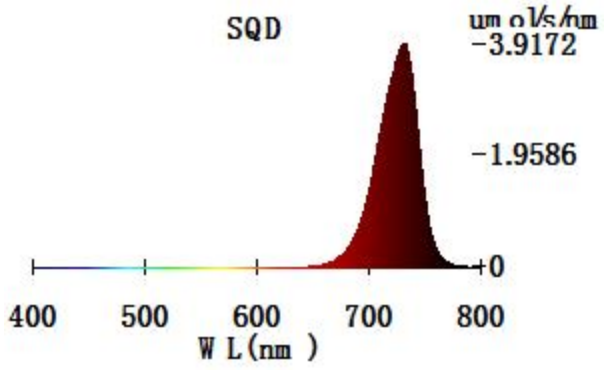
SPECTRAL TUNING PERFORMANCE VIEW DETAILS

Spectral Channel Name 1	White+660nm
Reported Photosynthetic Photon Flux (400-700nm) Channel 1	2020 µmol/s
Reported Photon Flux Blue (400-500nm) Channel 1	356 µmol/s
Reported Photon Flux Green (500-600nm) Channel 1	783 µmol/s
Reported Photon Flux Red (600-700nm) Channel 1	882 µmol/s
Reported Photon Flux Far Red (700-800nm) Channel 1	40 µmol/s
Tested Photosynthetic Photon Flux (400-	2020 µmol/s

700nm) Channel 1	
Tested Photon Flux Blue (400-500nm) Channel 1	356 µmol/s
Tested Photon Flux Green (500-600nm) Channel 1	783 µmol/s
Tested Photon Flux Red (600-700nm) Channel 1	882 µmol/s
Tested Photon Flux Far Red (700-800nm) Channel 1	40 µmol/s
Spectral Channel Name 2	730nm
Reported Photosynthetic Photon Flux (400-700nm) Channel 2	18 µmol/s
Reported Photon Flux Blue (400-500nm) Channel 2	0 µmol/s
Reported Photon Flux Green (500-600nm) Channel 2	0 µmol/s
Reported Photon Flux Red (600-700nm) Channel 2	18 µmol/s
Reported Photon Flux Far Red (700-800nm) Channel 2	152 µmol/s
Tested Photosynthetic Photon Flux (400-700nm) Channel 2	18 µmol/s
Tested Photon Flux Blue (400-500nm) Channel 2	0 µmol/s
Tested Photon Flux Green (500-600nm) Channel 2	0 µmol/s
Tested Photon Flux Red (600-700nm) Channel 2	18 µmol/s
Tested Photon Flux Far Red (700-800nm) Channel 2	152 µmol/s

SQD/PPID VIEW DETAILS

SQD	
PPID	

	
SQD Channel 1	
SQD Channel 2	

VERSION HISTORY VIEW DETAILS

2022-08-11	Listed	2.1