2022

LOOKBOOK

RAPIDGROWLED

POWERED BY PANGEA TECHNOLOGIES

MANUFACTURED
IN NORTH AMERICA

The only North American, vertically integrated manufacturer of technology and horticultural lighting with a proprietary, wireless controls, open-architecture (SAAS) software platform. With 500+ employees and over 350,000 square feet of manufacturing space, we can design, produce, and deliver your product in record time.

HIGHLIGHTS

- MANUFACTURED IN NORTH AMERICA
- AVAILABLE IN 120V-277V, 347V, AND 480V
- DAISY-CHAIN COMPATIBLE
- INTEGRATED GREEN WORK LIGHT
- TOOL-LESS SET UP
- PANGEA FULLY WIRELESS CONTROL SYSTEM COMPATIBLE
- ENHANCED UV SPECTRUM FOR INCREASED RESIN PRODUCTION
- SAME-DAY U.S. BASED TECHNICAL SUPPORT
- INDUSTRY-LEADING WITH 20+ YEARS OF EXPERIENCE

POWERED BY
PANGEA SOFTWARE

HIGHLIGHTS

- FULLY WIRELESS CONTROL SYSTEM
- CONTROL UP TO 2500 FIXTURES ON EACH GATEWAY
- SET CUSTOM ZONES
- PRIVATIZED WIFI
- 24/7 PRIORITY SUPPORT
- 256-BIT MILITARY ENCRYPTION
- BATTERY OPERATED SENSOR OPTIONS
- SELF HEALING MESH NETWORK

Pangea Software gives large-scale, commercial horticulture projects the ability to manage, operate, and automate smart sensors and utilities from a single screen.

The Platform is future-proofed by an open architecture system, with a 256-bit military grade encryption that allows for new integrations, updates, and expansions as needs change.

RAPIDGROW LED POWERED BY PANGEA SOFTWARE

RapidGrow exclusively manufactures its products at the Visionaire Lighting manufacturing facilities, both headquartered in Southern California. Building on more than 20 years of experience in the lighting industry as a primary North American manufacturer, the RapidGrow product family, including the Pangea Platform, was created in RapidGrow & Visionaire's state of the art Development and Testing facilities in Southern California.

With 500+ employees and 350,000 sq.ft. of research, development, testing, and manufacturing in **North America**, RapidGrow's manufacturing facility is a vertically integrated operation that produces all products in-house. Each process required to create products from inception, CNC machining, casting, powder coating, metal fabrication, optical assembly, die casting, injection molding, and toolmaking are operated internally. RapidGrow LED's manufacturing capabilities extend to a wide variety of lighting products. These products are built with the exact specifications for a variety of applications including for extreme outdoor weather conditions.

RapidGrow was built upon using the high standards of the horticultural industry as a blueprint, designing products for high volume production. RapidGrow's capabilities extend to building practically any form factor and configuration required by specific grow environments. Whether you are a home grow operation or a commercial facility, RapidGrow can accommodate any client need.

Our system connects wireless lighting controls, sensors, and gateways through our proprietary cloud software, and can be managed by Pangea's centralized dashboard. The base station features SMS connectivity, easy data transfers, and can connect up to 2500 individual fixtures and or sensors. Ability to integrate various sensors (temperature, humidity, CO2, soil) with our Open Architecture IoT platform, allowing the user the ability to track every aspect of their operation for maximum crop consistancy.

PANGEA
HARDWARE

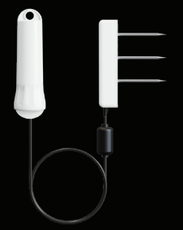
ALL SENSORS ARE

- **IP67**
- **WIRELESS BATTERY POWERED**
- **ACCESSABLE FROM PANGEA DASHBOARD**

- **NODE IMBEDDED INTO EVERY FIXTURE**
- **UP TO 2,500 FIXTURES PER GATEWAY**
- **NO INSTALL NEEDED**

SENSORS

CO_2 & TEMPERATURE SENSOR



SOIL VWC, EC & T SENSOR

TEMPERATURE & RELATIVE HUMIDITY SENSOR

PAR SENSOR

CANNABIS

CANNABIS

LIGHTING SOLUTIONS

INDOOR + GREENHOUSE

DLC Horticulture Listed for maximum utility rebates. The SOLARK is a high-output flower light that integrates both blue-light & UV to enhance genetic expression and increase resin production. Designed for vertically stacked or single-layer applications with high PPFD coverage over a 4’ x 4’ or 5’ x 5’ area. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 8 on a single 20A circuit.

SOLARK

CANNABIS LIGHTING

SOLARK SPECS

SPECTRUM	SOL/+UV
PPF	≥ 2,250 µmol/s
INPUT POWER	900W
EFFICACY	≥ 2.5µmol/J
INPUT VOLTAGE	100-277V, 347V, & 480V
WEIGHT	56 lbs (Including Drivers)
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	60,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	6 Bars
DRIVER BOX	Integrated
SPECTRUM	Full Spectrum + UV
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Fixed
DAISY CHAIN POWER	Optional

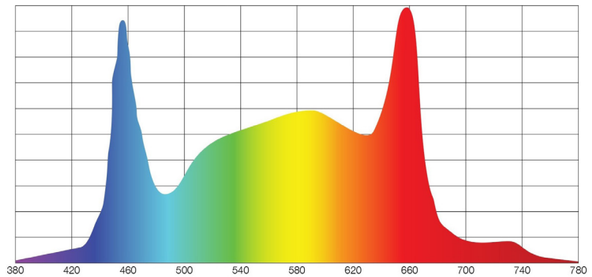
DIMENSIONS

MODEL	X	Y	Z
SOLARK	48”	45”	4.3”

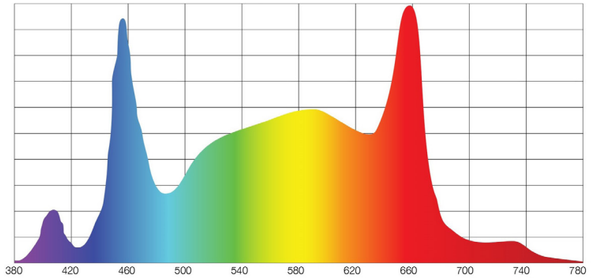
ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**7.50A**	**4.33A**	**4.09A**	**3.75A**	**3.25A**	**2.59A**	**1.88A**

SPECTRUM OPTIONS



SOL SPECTRUM



UV SPECTRUM

The SOLITE is a high-efficiency, flower light with an upgraded, high-red spectrum to achieve maximum PPFD penetration and coverage. The SOLITE also integrates both blue-light and UV to enhance genetic expression and increase resin production. Designed for vertically stacked or single-layer applications, the SOLITE's unique spectrum combines a proprietary blend of new, state-of-the-art Samsung horticulture diodes. Paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 12 on a single 20A circuit.

SOLITE
CANNABIS LIGHTING

SOLARK SPECS

SPECTRUM	SOL/+UV
PPF	≥ 1600 µmol/s
INPUT POWER	640W
EFFICACY	≥ 2.5µmol/J
INPUT VOLTAGE	100-277V, 347V, & 480V
WEIGHT	52 lbs (Including Drivers)
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	60,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	5 Bars
DRIVER BOX	Integrated
SPECTRUM	Full Spectrum + UV
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Fixed
DAISY CHAIN POWER	Optional

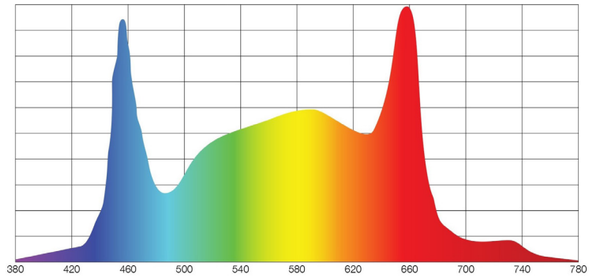
DIMENSIONS

MODEL	X	Y	Z
SOLARK	48"	45"	4.3"

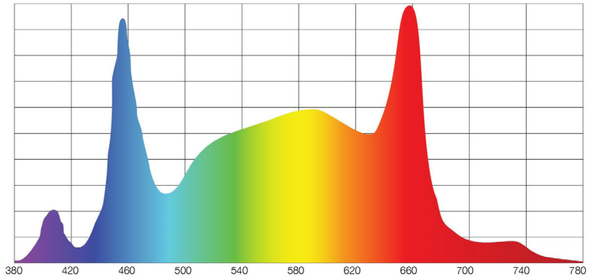
ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**5.33A**	**3.08A**	**2.91A**	**2.67A**	**2.31A**	**1.84A**	**1.33A**

SPECTRUM OPTIONS



SOL SPECTRUM



UV SPECTRUM

The STERRA is a lightweight, high-efficiency folding grow light that features the most state-of-the-art Samsung Horticulture LEDs. It is designed to maximize space and save energy in vertically stacked applications. A true workhorse, STERRA provides cultivators with flawless 4’ x 4’ coverage, higher crop yields, and increased quality, harvest after harvest. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 12 on a single 20A circuit.

STERRA
CANNABIS LIGHTING

STERRA SPECS

SPECTRUM	BLS (Broad Light Spectrum)
PPF	≥ 1,664 µmol/s
INPUT POWER	640W
EFFICACY	≥ 2.6µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	26 lbs (Including Drivers)
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	8 Bars
DRIVER BOX	Integrated
SPECTRUM	Full Spectrum
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Folding
DAISY CHAIN POWER	Optional

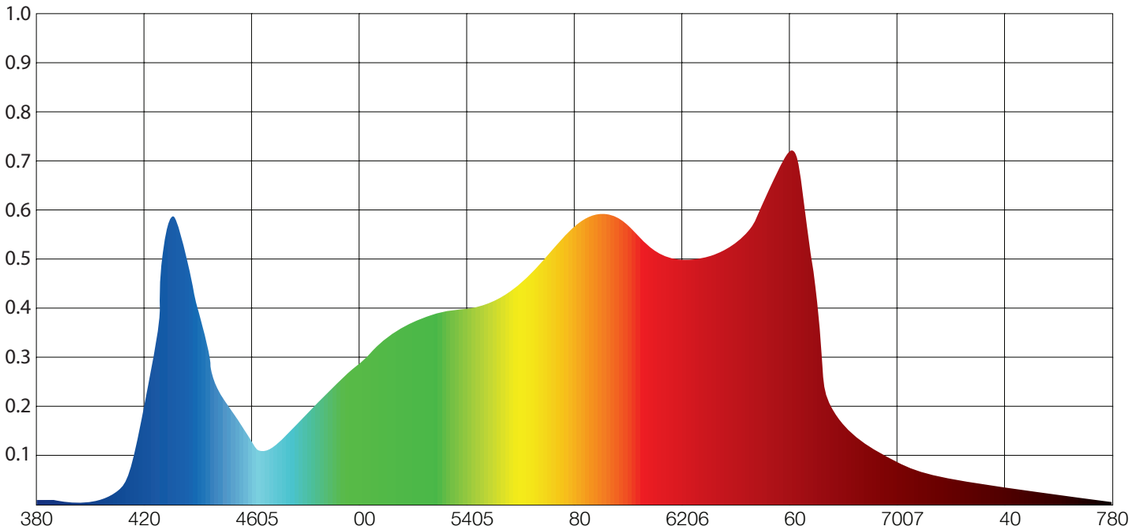
DIMENSIONS

MODEL	X	Y	Z
STERRA	47”	47”	3.5”

ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**5.33A**	**3.08A**	**2.91A**	**2.67A**	**2.31A**	**1.84A**	**1.33A**

FULL SPECTRUM



The SUNOME is a TRUE 1:1 retrofit solution, when replacing HPS lighting in a greenhouse or single-layer indoor cultivation. Featuring a proprietary blend of the most current Samsung Horticulture LEDs, the SUNOME creates higher PPFD levels across the entire canopy, using less energy. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 8 on a single 20A circuit.

SUNOME
CANNABIS LIGHTING

SUNOME SPECS

SPECTRUM	GH Spectrum (High Red)
PPF	≥ 2,430 µmol/s
INPUT POWER	900W
EFFICACY	≥ 2.7µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	29 lbs (Including Drivers)
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	6 Bars
DRIVER BOX	Integrated
SPECTRUM	Full Spectrum - High Red
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Fixed
DAISY CHAIN POWER	Optional

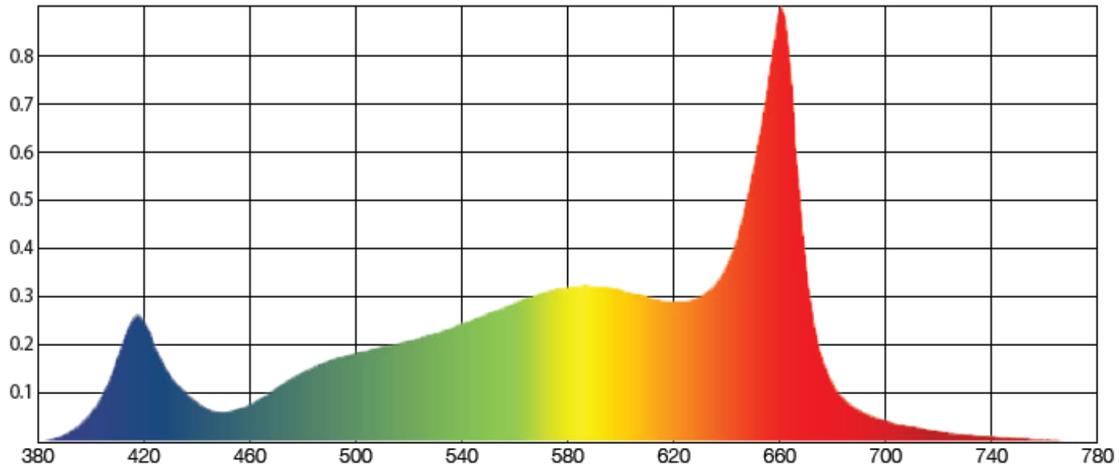
DIMENSIONS

MODEL	X	Y	Z
SUNOME	56”	17.4”	6.4”

ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**7.50A**	**4.33A**	**4.09A**	**3.75A**	**3.25A**	**2.59A**	**1.88A**

GH SPECTRUM



DLC Horticulture Listed for maximum utility rebates. The SKYRAY is the most versatile LED top-lighting system for greenhouse and single layer cultivations. Designed for uniformed PPFD coverage over a large area, while creating minimal shadowing over your plants, this is your go-to solution for low truss height applications. Choose from multiple mounting configuration options, ranging from 300W-1200W, in-order-to optimize light intensity and spread to hit desired PAR levels for both indoor and greenhouse applications. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 24 light engines on a single 20A circuit.

SKYRAY
CANNABIS LIGHTING

SKYRAY SPECS

SPECTRUM	GH Spectrum
PPF	≥ 3,000 µmol/s
INPUT POWER	1200W / 4 x 300W Units
EFFICACY	≥ 2.5µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	8lbs per 300W Unit / 25lbs Driver Box
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	4 Light Engines
DRIVER BOX	Remote / Powers 4 Units
SPECTRUM	Full Spectrum - High Red
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Modular
DAISY CHAIN POWER	Optional

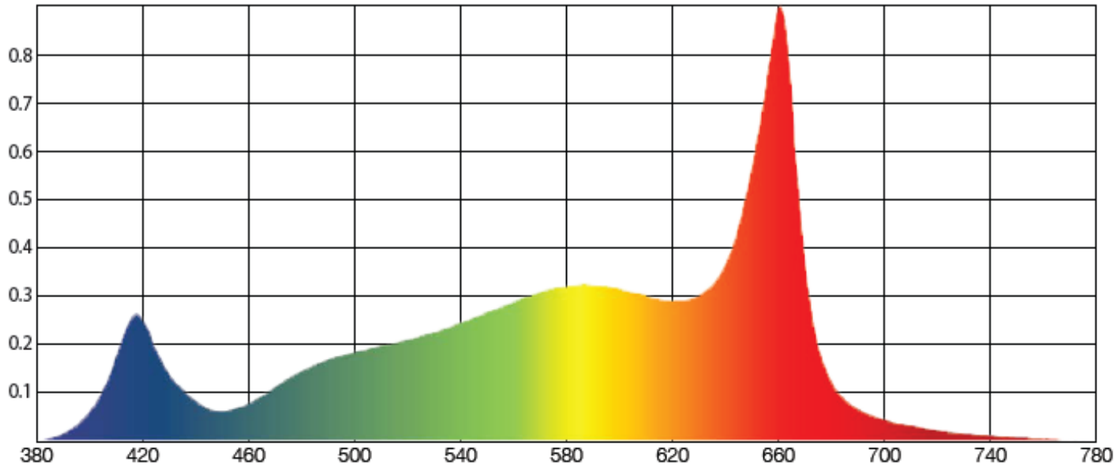
DIMENSIONS

MODEL	X	Y	Z
SKYRAY	50”	6.5”	1.1”

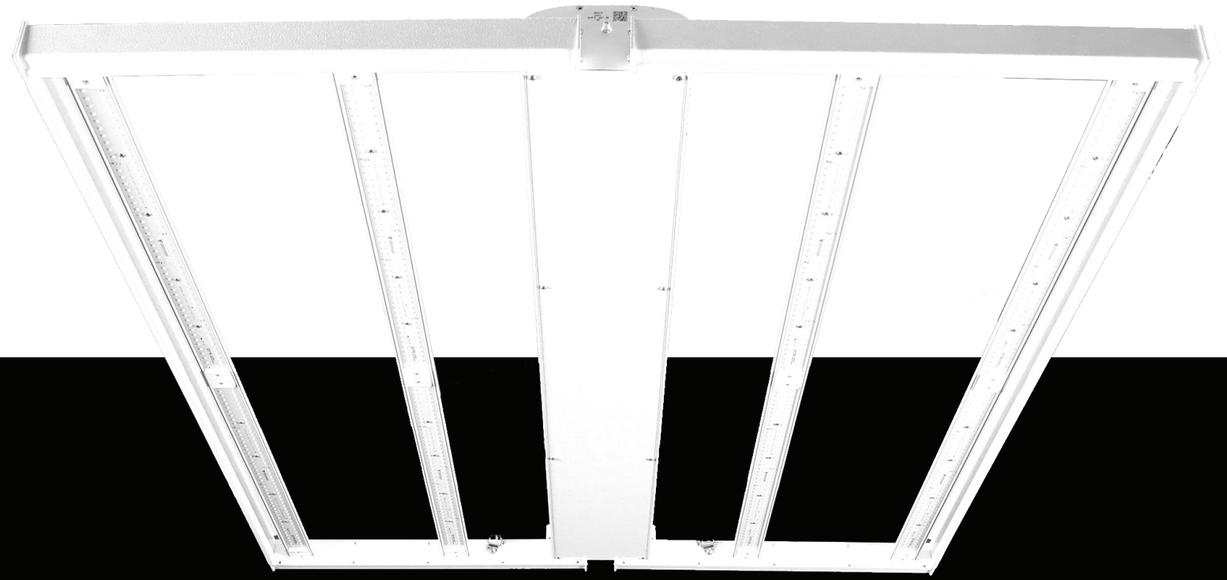
ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**10A**	**5.77A**	**5.45A**	**5.00A**	**4.33A**	**3.46A**	**2.50A**

GH SPECTRUM



The STRAZE is a lightweight, high-output, folding Veg light that features the most state-of-the-art Samsung Horticulture LEDs. Designed to maximize space and save energy in vertically stacked applications, the STRAZE provides cultivators with higher PPFD levels in the vegetative stage and couples perfectly with our STERRA & SOLARM flower lights. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 19 on a single 20A circuit.



STRAZE

CANNABIS LIGHTING

STRAZE SPECS

SPECTRUM	BLS (Broad Light Spectrum)
PPF	≥ 1,040 µmol/s
INPUT POWER	400W
EFFICACY	≥ 2.6µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	23 lbs (Including Drivers)
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	4 Bars
DRIVER BOX	Integrated
SPECTRUM	Full Spectrum
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Folding
DAISY CHAIN POWER	Optional

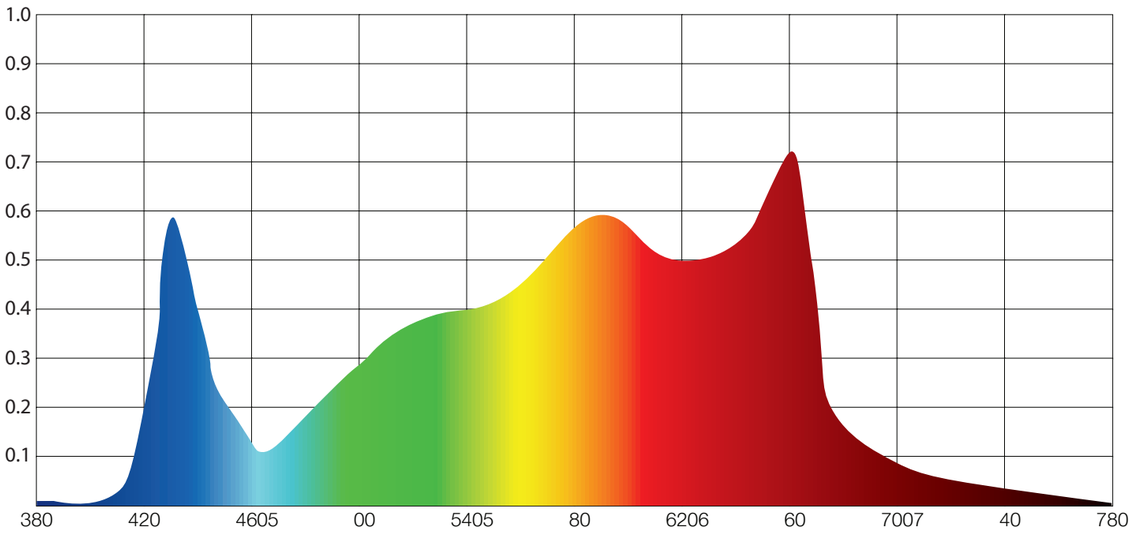
DIMENSIONS

MODEL	X	Y	Z
STRAZE	47”	47”	3.5”

ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**3.33A**	**1.92A**	**1.82A**	**1.67A**	**1.44A**	**1.15A**	**0.83A**

FULL SPECTRUM



The SOLARM is a high-output flower light with an extended 5’ wingspan for max PPFD uniformity over a 5’ x 5’. Featuring the most advanced Samsung Horticulture LEDs on the market, the SOLARM maximizes space in vertically stacked and single-layer applications. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 8 on a single 20A circuit.

SOLARM
CANNABIS LIGHTING

SOLARM SPECS

SPECTRUM	BLS (Broad Light Spectrum)
PPF	≥ 2,288 µmol/s
INPUT POWER	880W
EFFICACY	≥ 2.6µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	29 lbs (Including Drivers)
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	8 Bars
DRIVER BOX	Integrated
SPECTRUM	Full Spectrum
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Folding
DAISY CHAIN POWER	Optional

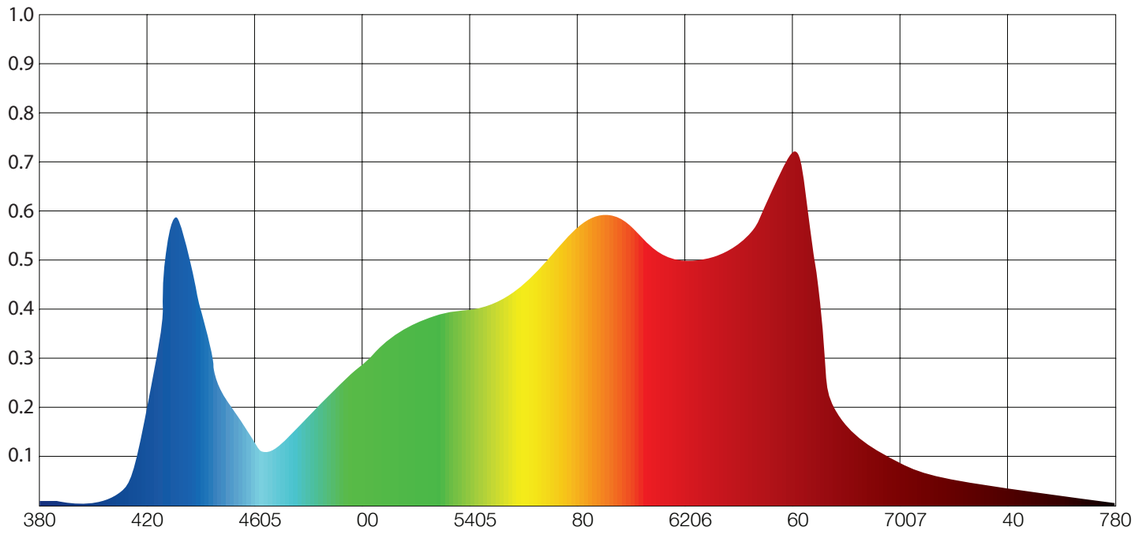
DIMENSIONS

MODEL	X	Y	Z
SOLARM	52”	47”	3.5”

ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**7.34A**	**4.23A**	**4.00A**	**3.67A**	**3.18A**	**2.54A**	**1.84A**

FULL SPECTRUM



GREENHOUSE

LEAFY GREENS LIGHTING

FOOD + FLORICULTURE

DLC Horticulture Listed for maximum utility rebates. The AURORA is the most versatile LED top-lighting system for greenhouse cultivation. Designed for uniformed PPFD coverage over a large area, while creating minimal shadowing over your plants, this is your go-to solution for low truss height applications. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 24 light engines on a single 20A circuit.

AURORA
GREENHOUSE LIGHTING

AURORA SPECS

SPECTRUM	GH Spectrum
PPF	≥ 3,000 µmol/s
INPUT POWER	1200W / 4 x 300W Units
EFFICACY	≥ 2.5µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	8lbs per 300W Unit / 25lbs Driver Box
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	4 Light Engines
DRIVER BOX	Remote / Powers 4 Units
SPECTRUM	Full Spectrum - High Red
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Modular
DAISY CHAIN POWER	Optional

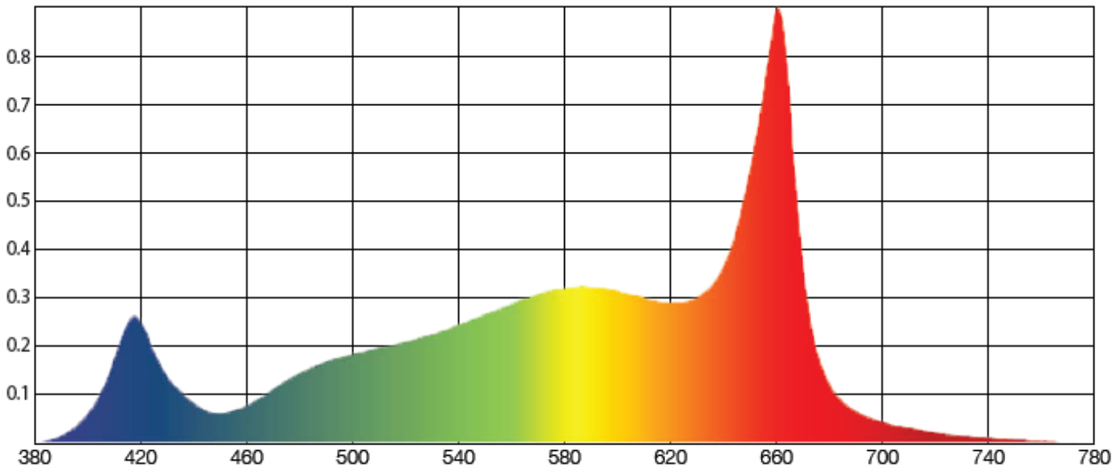
DIMENSIONS

MODEL	X	Y	Z
AURORA	50”	6.5”	1.1”

ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**10.0A**	**5.77A**	**5.45A**	**5.00A**	**4.33A**	**3.46A**	**2.50A**

GH SPECTRUM



The AMBRA is a compact high-efficiency top lighting solution for greenhouse and single layer indoor applications. Featuring a proprietary blend of the most current Samsung “Plant-Centric” LEDs, the AMBRA can save up to 50% energy when replacing traditional HID lighting. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 12 on a single 20A circuit.

AMBRA
GREENHOUSE LIGHTING

AMBRA SPECS

SPECTRUM	GH Spectrum
PPF	≥ 1,620 µmol/s
INPUT POWER	600W
EFFICACY	≥ 2.7 µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	24 lbs (Including Drivers)
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	4 Bars
DRIVER BOX	Integrated
SPECTRUM	Full Spectrum - High Red
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Fixed
DAISY CHAIN POWER	Optional

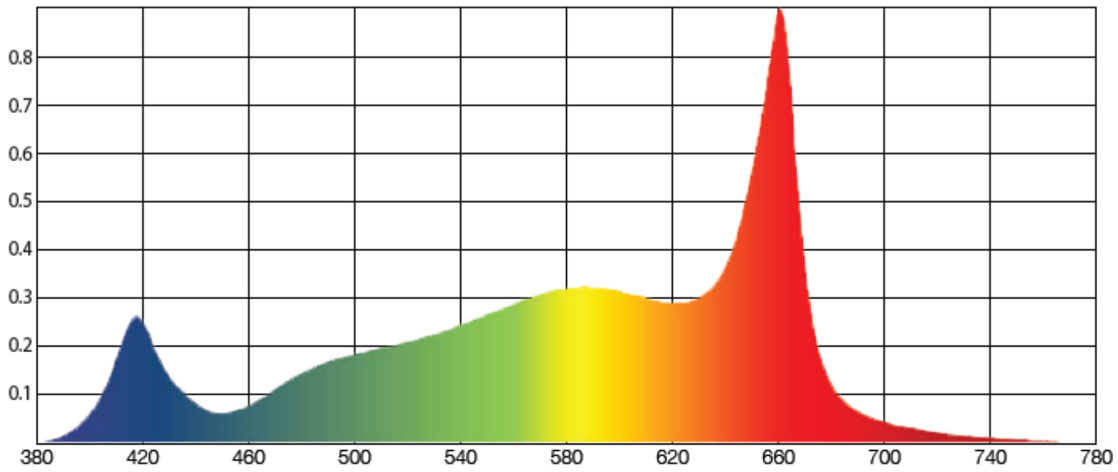
DIMENSIONS

MODEL	X	Y	Z
AMBRA	56”	17.4”	6.4”

ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**5.00A**	**2.88A**	**2.73A**	**2.50A**	**2.17A**	**1.73A**	**1.25A**

GH SPECTRUM



STACKABLE

STACKABLE

LEAFY GREENS LIGHTING

FOOD + FLORICULTURE

The VERAY is a modular food production light designed with a remote power source, specifically for indoor vertical farming at scale. Maximize perpendicular space, increase airflow, and maintain perfect PPFD levels at close canopy range. When paired with PANGEA software, operators have independent control of each fixture and can daisy-chain up to 24 on a single 20A circuit.

VERAY
STACKABLE LIGHTING

VERAY SPECS

SPECTRUM	BLS (Broad Light Spectrum)
PPF	≥ 780 µmol/s per Unit
INPUT POWER	1200W / 4 x 300W Units
EFFICACY	≥ 2.6 µmol/J
INPUT VOLTAGE	100-277V, & 480V
WEIGHT	15lbs per 300W Unit / 25lbs Driver Box
MAX AMBIENT TEMPERATURE	95°F / 35°C
DIMMING	Pangea Wireless Dimming
BEAM ANGLE	120°
LIFETIME L90	50,000 hours
POWER FACTOR	> 90%
WARRANTY	5 Year Standard

DETAILS

LIGHT BARS	4 Bars
DRIVER BOX	Remote / Powers 4 Units
SPECTRUM	Full Spectrum
DAISY CHAIN POWER	Optional
PANGEA READY	Yes
FRAME	Fixed
DAISY CHAIN POWER	Optional

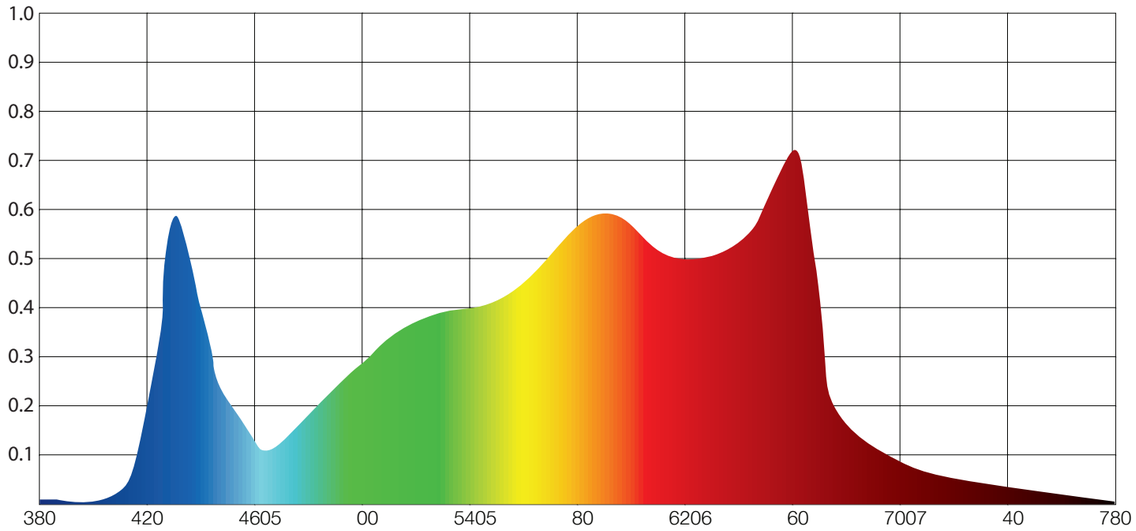
DIMENSIONS

MODEL	X	Y	Z
VERAY	47”	47”	2.5”

ELECTRICAL LOAD

VOLTAGE	**120V**	**208V**	**220V**	**240V**	**277V**	**347V**	**480V**
AMPERAGE	**2.5A**	**1.44A**	**1.36A**	**1.25A**	**1.08A**	**0.86A**	**0.63A**

FULL SPECTRUM



RAPIDGROWLED

POWERED BY PANGEA TECHNOLOGIES

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