

FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING

PRODUCT OFFERINGS



A SIMPLE MISSION

*Build innovative products,
operate sustainably,
and inspire the best among our industry.*



THE FOHSE VISION

We see a future where excellence in technology has evolved the capabilities of indoor agriculture beyond nature itself.

*For us at Fohse™
this means a vision
where growers around
the world enjoy the
benefits of our
innovations.*



The A3i by  FÖHSE

THE MOST POWERFUL*
GROW LIGHT IN THE WORLD.
PERIOD.

www.Fohse.com
1-888-FÖHSE-77
Las Vegas, Nevada

*Based on 3rd party (Underwriter's Laboratory) verification of PPF output with a spectrum balanced for flowering (no red-loading the measurement).

RoHS





FLAGSHIP SERIES

Our best-selling,
record-breaking
fixtures models.






 **FÖHSE** **FUTURE OF HORTICULTURAL SCIENCE + ENGINEERING**



OUTGROWING EVERY LIGHT ON THE MARKET.

My team is absolutely blown away with the results of our first crop under our **Fohse A3i system** as compared to our history with 1000W DE HPS. Using 16% less energy the system generated 27% more light and increased our yields by **65%**! We never used more than 87% of the A3i's total output, so our next goal is to see how we can push the plants to use the full potential of this incredible fixture."

*Mike Howard
Director of Cultivation, The Grove*

*Image credit :
@keene.media*  **THE GROVE**

A3i 1500W

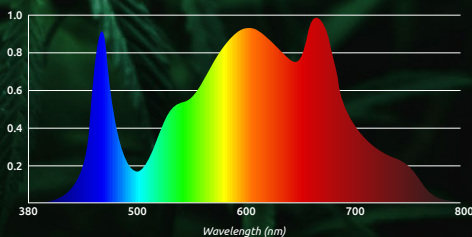
FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	4,200 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.8 - 3.0 $\mu\text{Mol/J}$
Input power	1500W
Input voltage	Options up to 480V
Fixture dimensions	46.5L x 47.25W x 4.5H in
Weight	70 lbs
Thermal management	Passive
Maximum Ambient Operating Temperature	100°F (37.8°C)
Dimming	30%
Lens angle	90°
CRI	92
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	ETL, IP67, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging

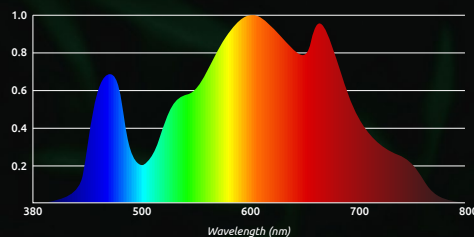


Spectrophotometer Test Report Fohse™ A3i 1500W

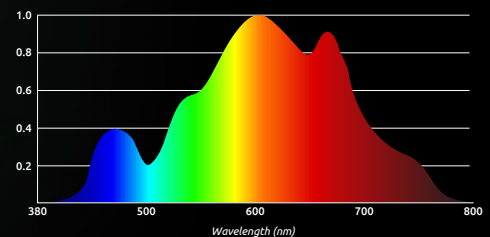
Spring Spectrum



Summer Spectrum



Autumn Spectrum



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	12.5A	7.21A	6.25A	5.42A	4.32A	3.13A



The A3i by  FŌHSE

THE BREAKTHROUGH

TECHNOLOGY REDEFINING

WHAT'S POSSIBLE.

www.Fohse.com
1-888-FŌHSE-77
Las Vegas, Nevada

RoHS   CE



 **FÖHSE**™ **FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING**

MAXIMIZING PRODUCTIVITY (AND THEN SOME).

Our typical harvest was 80 - 90 pounds with our old LEDs. Now our harvests are **160 - 190 pounds** (under Fohse's grow lights). The last one was **197 pounds!** We didn't plan for this much weight (in this facility). We're having to rethink how we dry and store the increase."



Steve Cantwell
Founder, Owner, Operator, Green Life Productions



SCORPIO 1000W

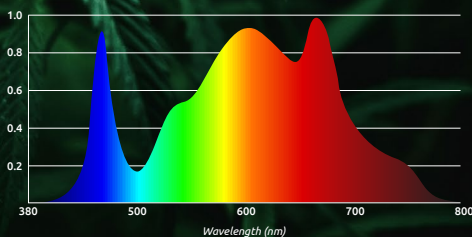
FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	2,800 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.8 - 3.0 $\mu\text{Mol/J}$
Input power	1000W
Input voltage	Options up to 480V
Fixture dimensions	42.25L x 47.25W x 4.5H in
Weight	60 lbs
Thermal management	Passive
Maximum Ambient Operating Temperature	100°F (37.8°C)
Dimming	30%
Lens angle	90°
CRI	92
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	ETL, IP67, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging

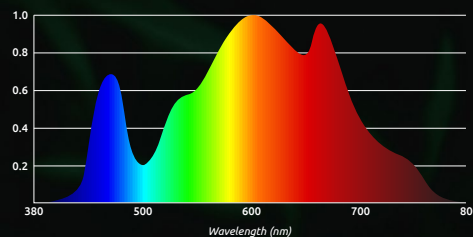


Spectrophotometer Test Report Fohse™ Scorpio 1000W

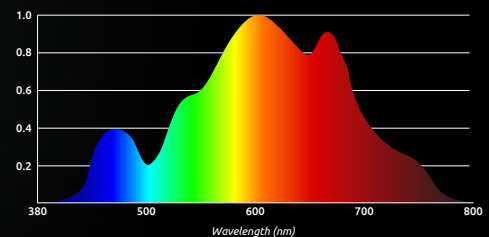
Spring Spectrum



Summer Spectrum



Autumn Spectrum



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	8.33A	4.81A	4.17A	3.61A	2.88A	2.08A



**FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING**

ARIES 640W

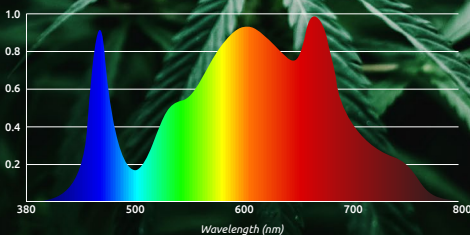
FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	1,792 $\mu\text{Mol/s}$
Fixture Efficacy (100% - 50% power)	2.8 - 3.0 $\mu\text{Mol/J}$
Input power	640W
Input voltage	Options up to 480V
Fixture dimensions	33L x 33W x 4.5H in
Weight	34 lbs
Thermal management	Passive
Maximum Ambient Operating Temperature	100°F
BTUs / hour	2,183
Dimming	30%
Lens angle	100°
CRI	92
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	IP67
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging

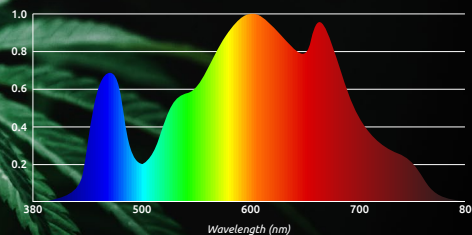


Spectrophotometer Test Reports Fohse™ Aries 640W

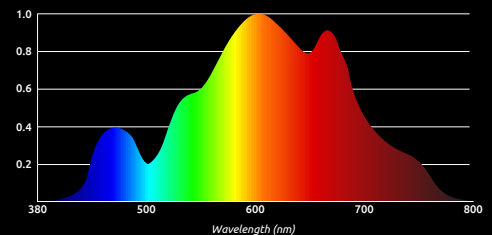
Spring Spectrum



Summer Spectrum



Autumn Spectrum



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



F1V SERIES

High-performance fixtures
best suited for multi-level
environments.

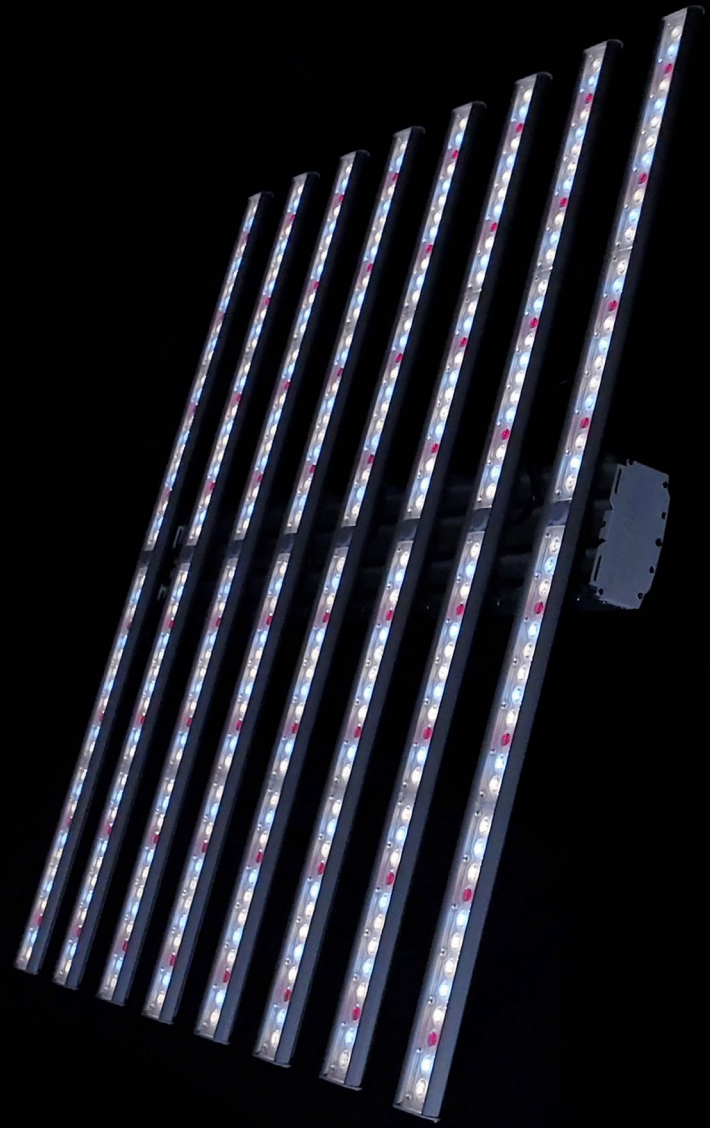


**FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING**

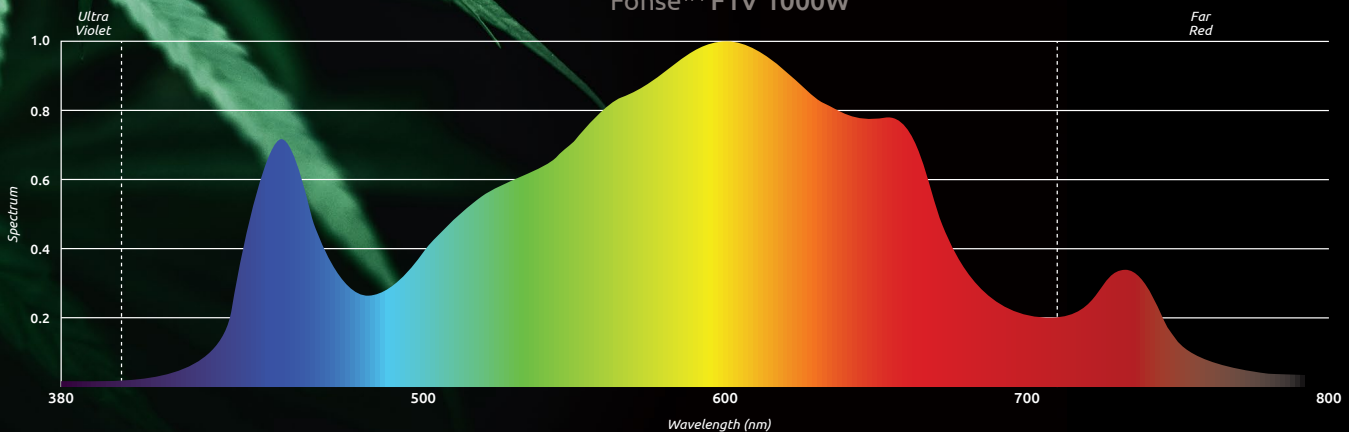
F1V 1000W

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	2,400 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.4 - 2.6 $\mu\text{Mol/J}$
Input power	1000W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	38 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	3,412
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ F1V 1000W



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	8.33A	4.81A	4.17A	3.61A	2.88A	2.08A

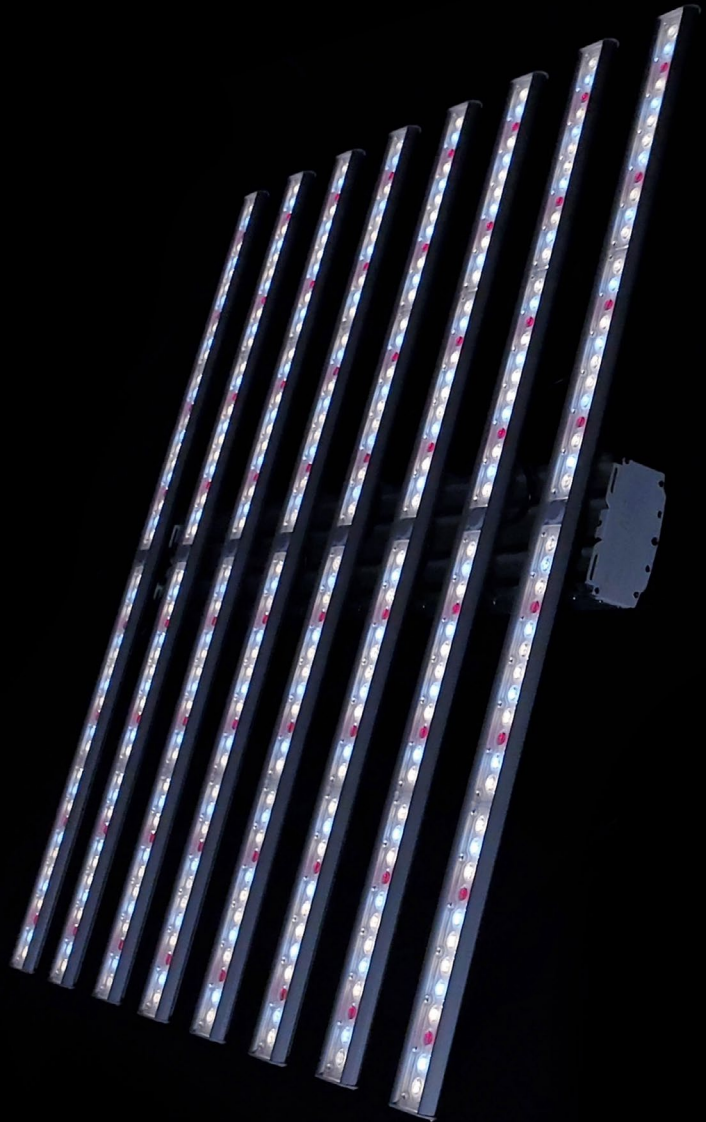


**FUTURE OF HORTICULTURAL
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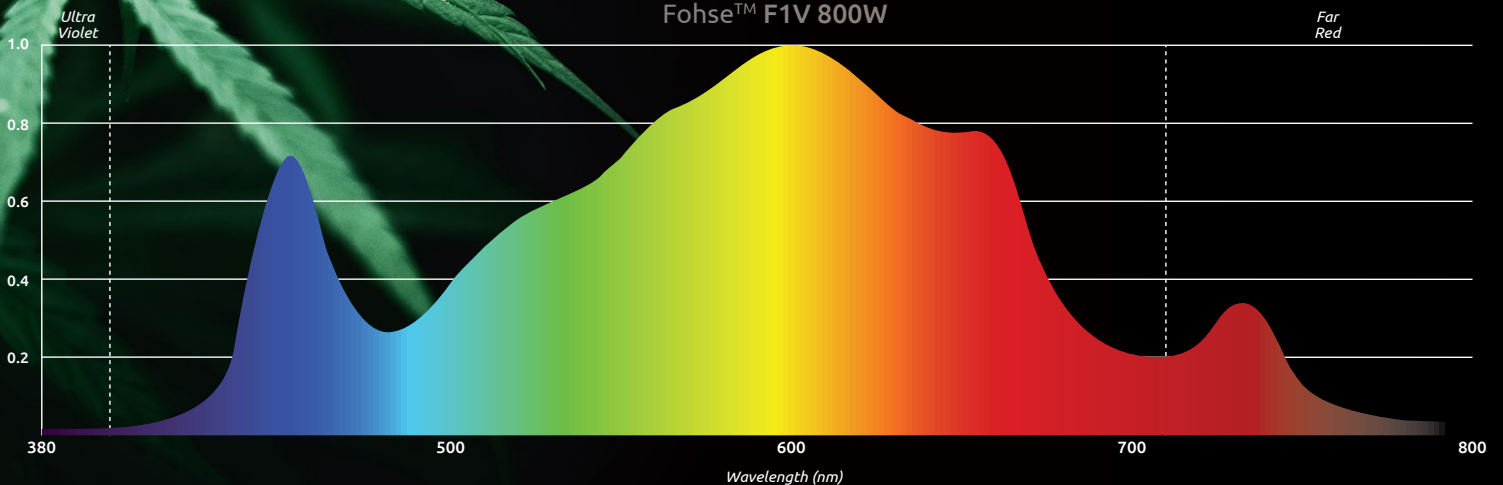
F1V 800W

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	1,920 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.4 - 2.6 $\mu\text{Mol/J}$
Input power	1000W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	38 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	3,412
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ F1V 800W



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	6.67A	3.85A	3.33A	2.89A	2.31A	1.67A

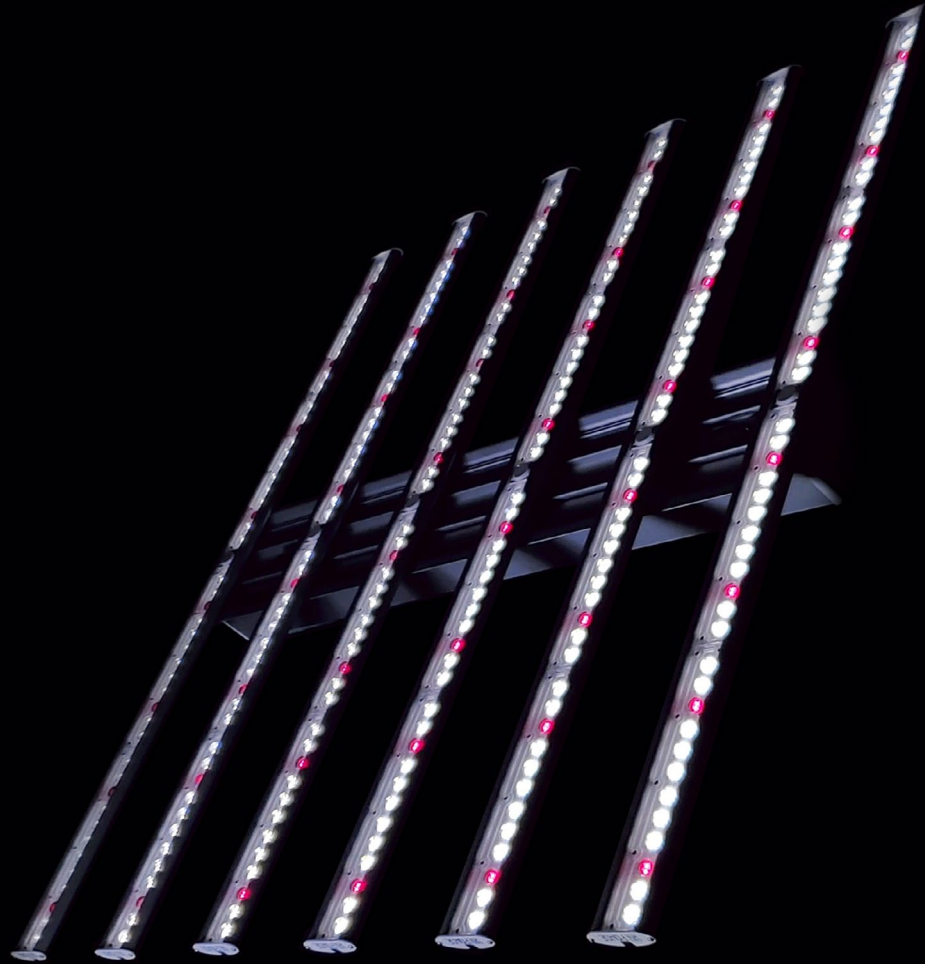


**FUTURE OF HORTICULTURAL
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F1V 600W

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	1,440 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.4 - 2.6 $\mu\text{Mol/J}$
Input power	600W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	36 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	2,047
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ F1V 600W



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

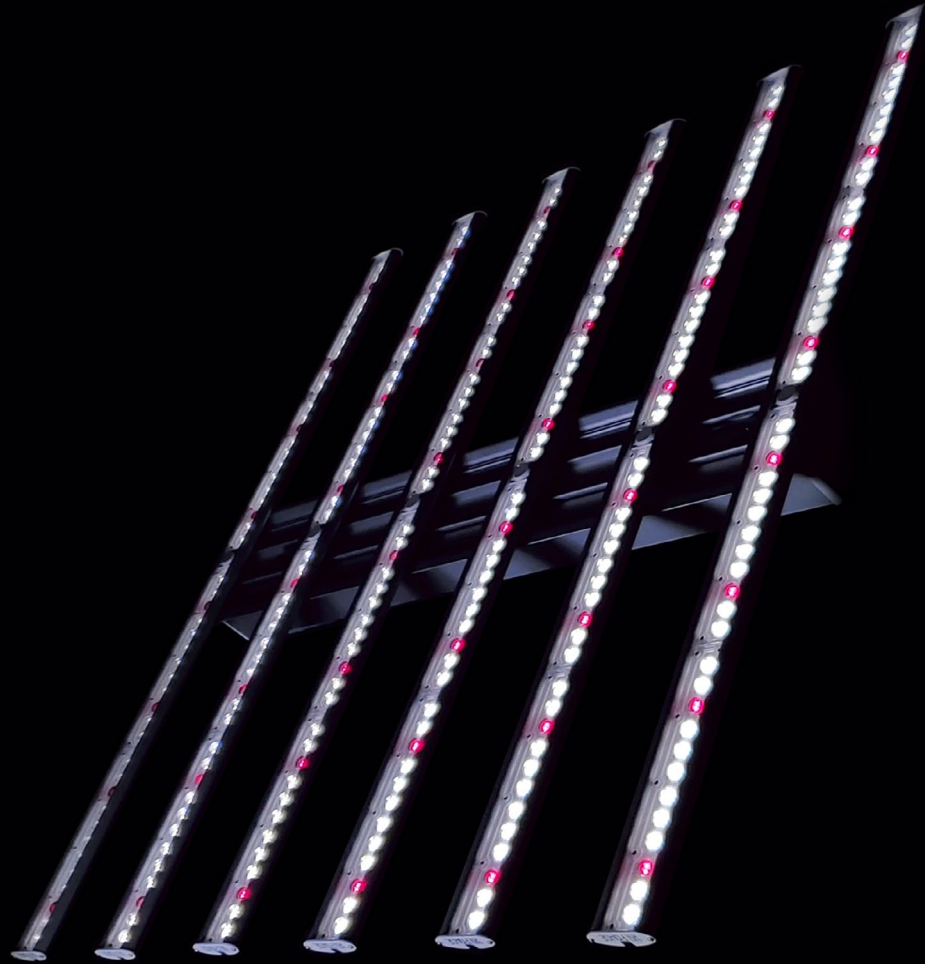


**FUTURE OF HORTICULTURAL
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F1V 575W

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	1,380 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.4 - 2.6 $\mu\text{Mol/J}$
Input power	575W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	36 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	2,047
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ F1V 575W



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	4.79A	2.76A	2.40A	2.08A	1.66A	1.20A

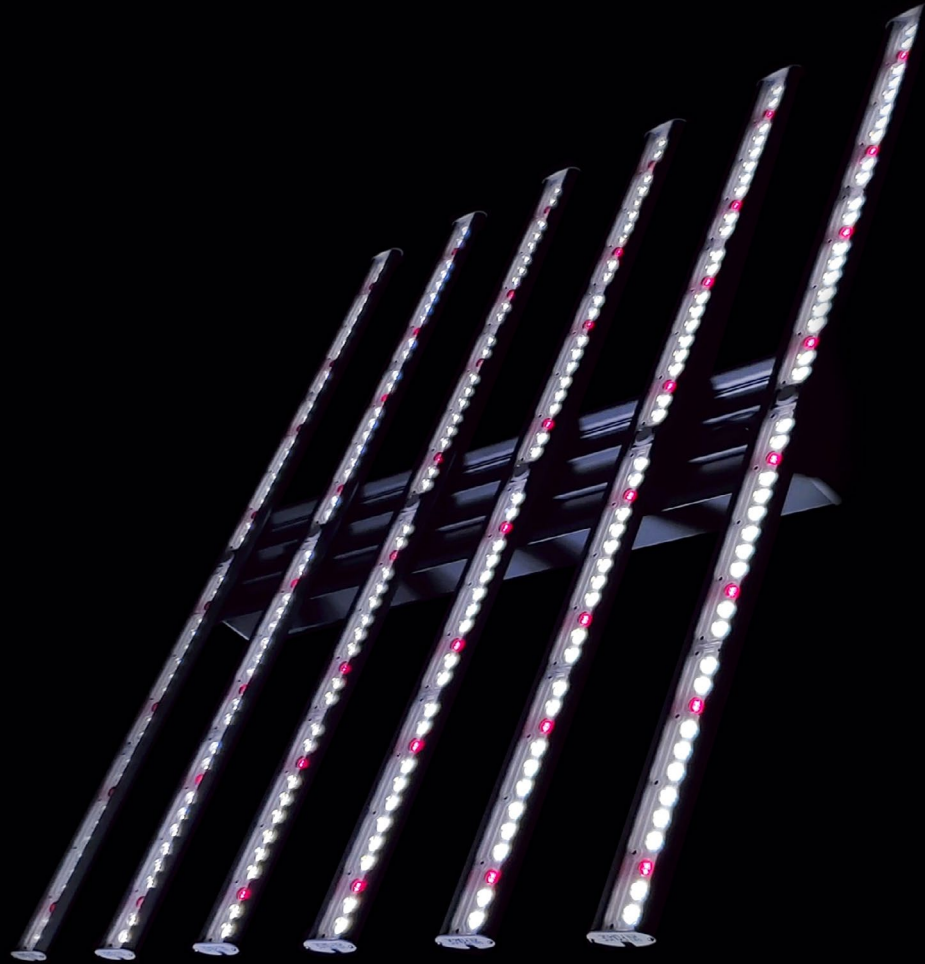


**FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING**

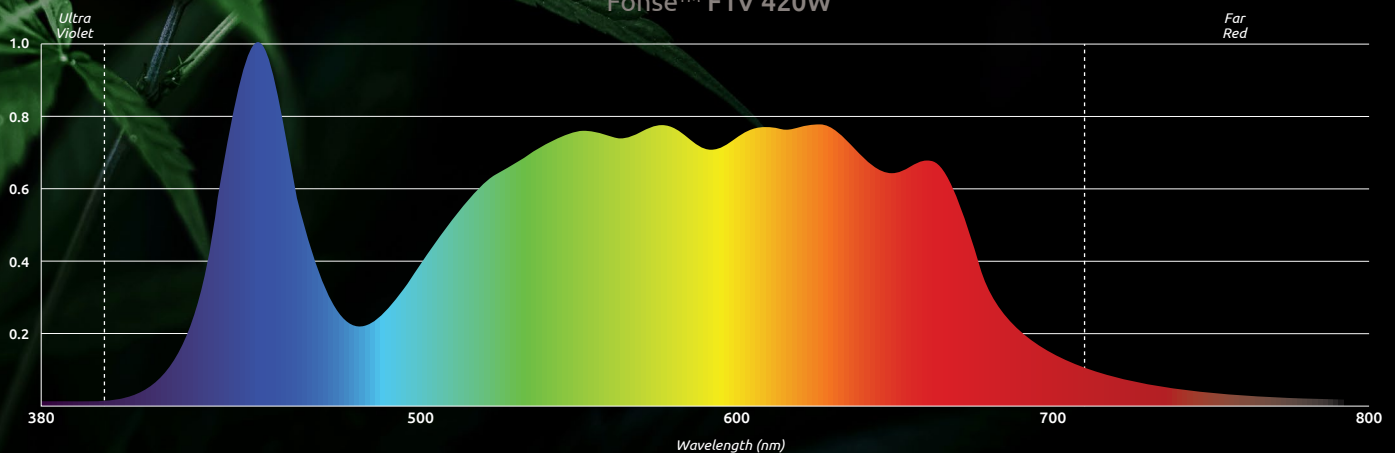
F1V 420W

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	1,008 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.4 - 2.6 $\mu\text{Mol/J}$
Input power	420W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	36 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	1,433
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ F1V 420W



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	3.50A	2.02A	1.75A	1.52A	1.21A	0.88A

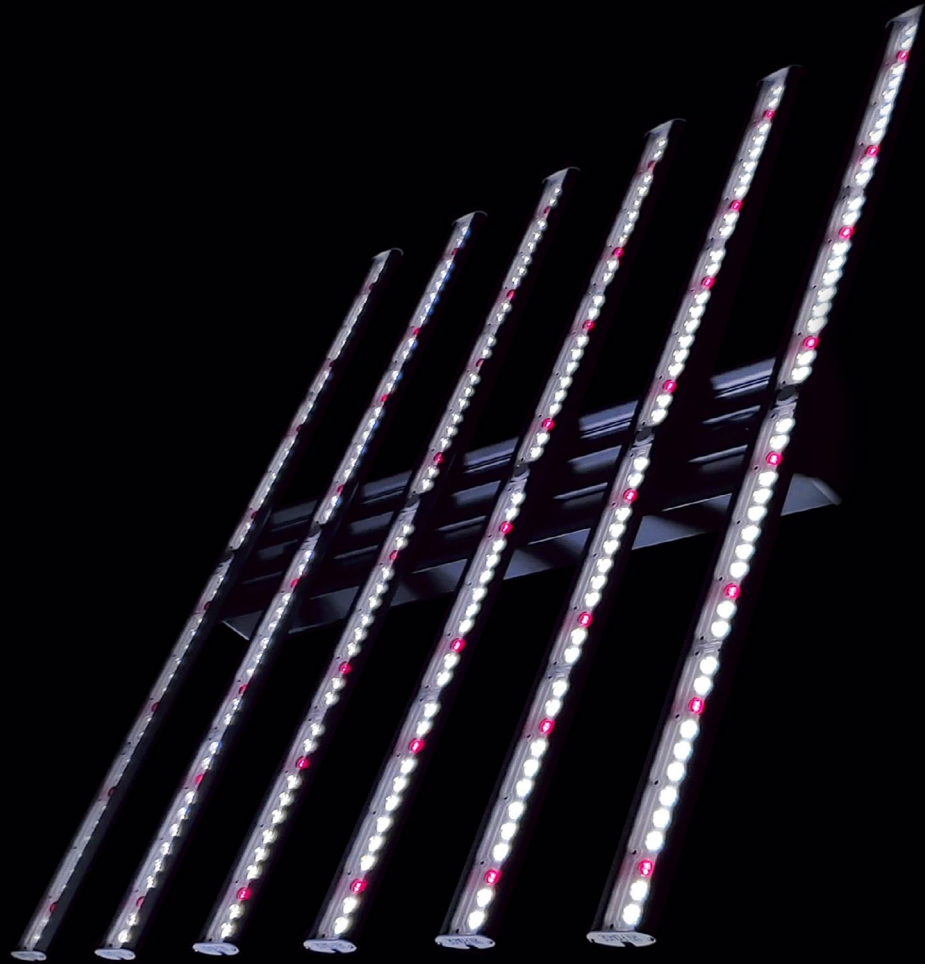


**FUTURE OF HORTICULTURAL
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F1V 200W

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	480 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.4 - 2.6 $\mu\text{Mol/J}$
Input power	200W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	36 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	682
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ F1V 200W



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	1.67A	0.96A	0.83A	0.72A	0.58A	0.42A

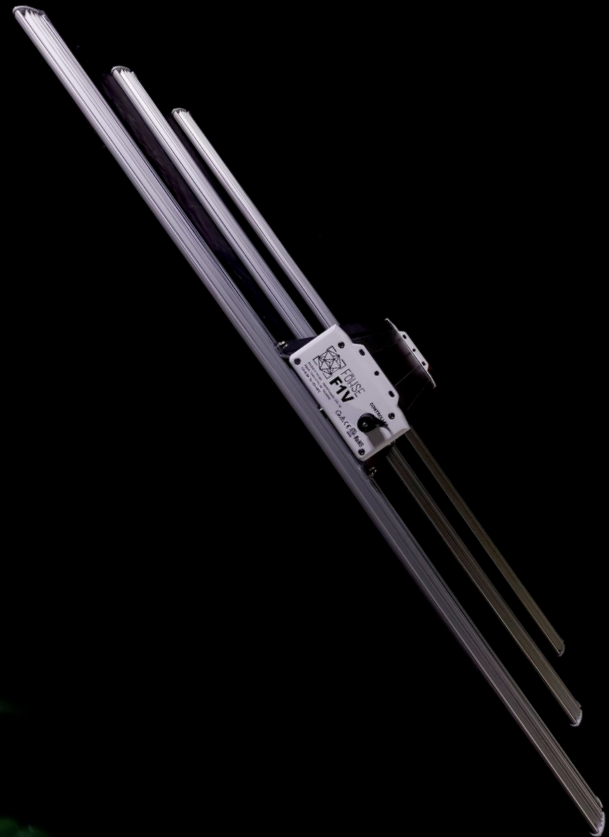


FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING

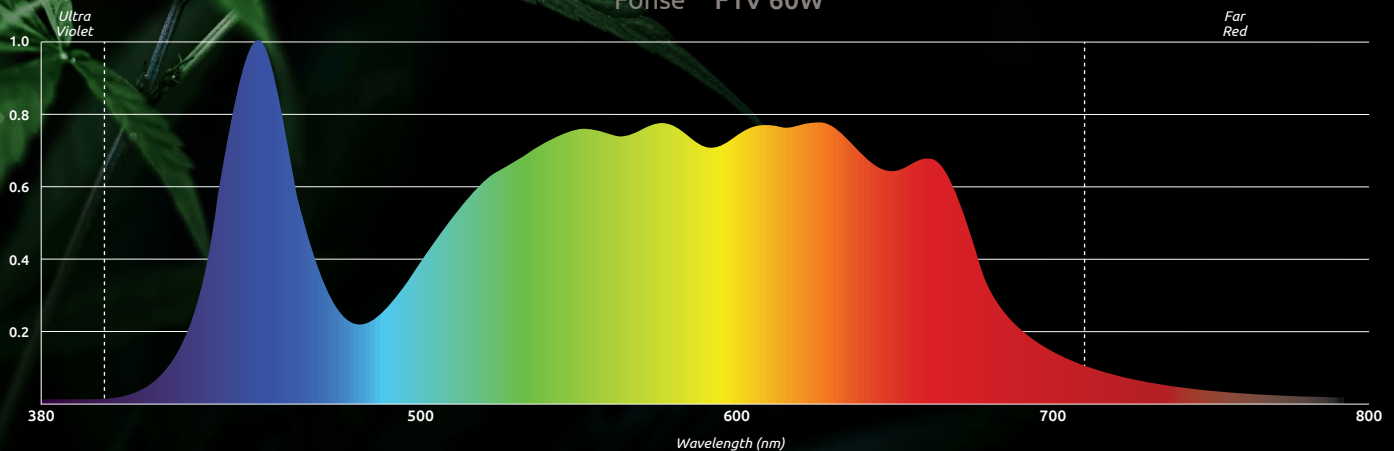
SIRIUS 60W

FIXTURE SPECIFICATIONS

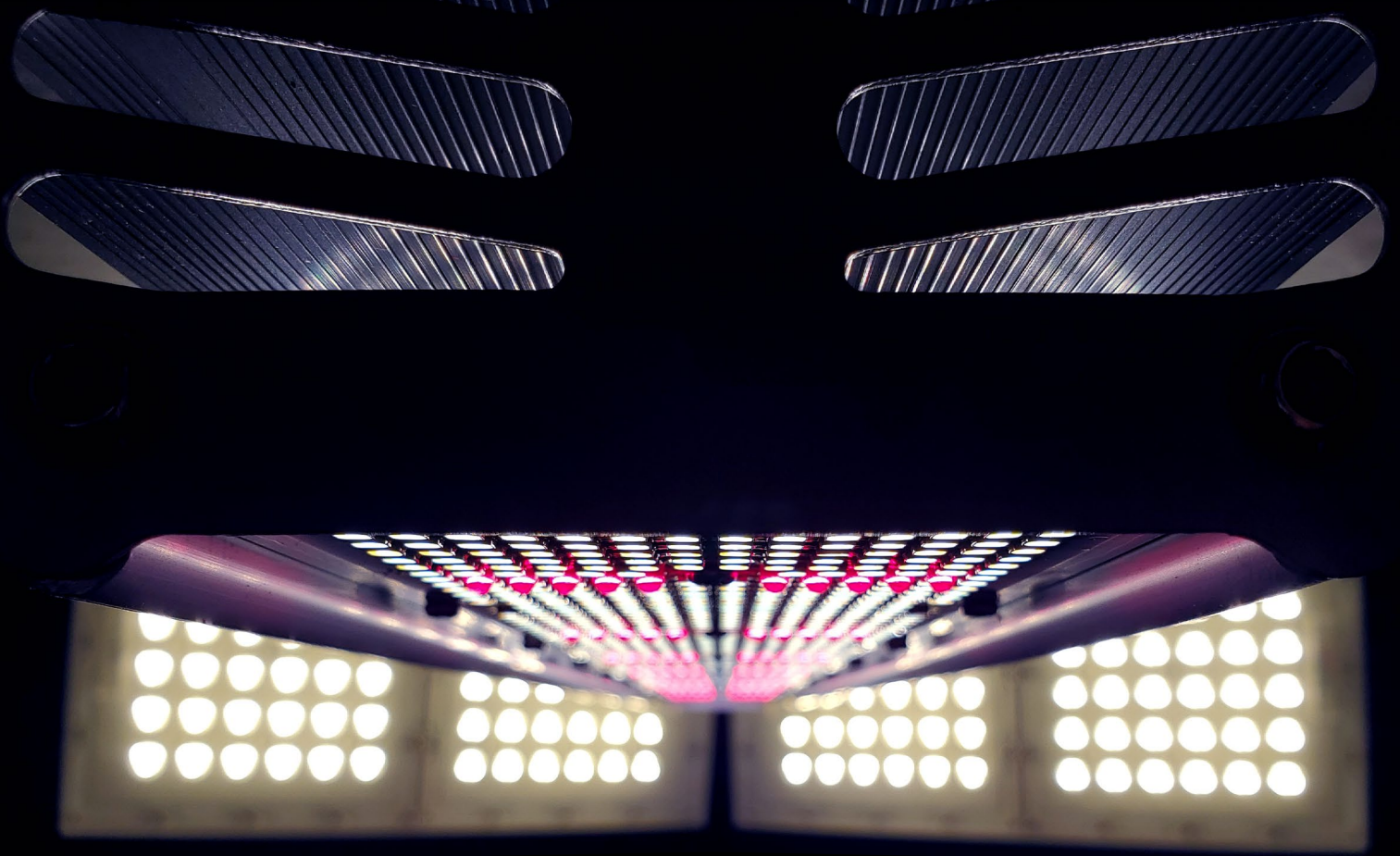
Light source	Samsung LEDs
PPF	144 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.4 - 2.6 $\mu\text{Mol/J}$
Input power	60W
Input voltage	Options up to 480V
Fixture dimensions	22.0L x 46.5W x 4.5H in
Weight	18 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	205
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging




Spectrophotometer Test Report Fohse™ F1V 60W



VOLTAGE	120V	208V	240V	277V
AMPERAGE	0.50A	0.29A	0.25A	0.22A



 FÖHSE™

GREENHOUSE SERIES

Power. Uniformity. Efficiency.
Have it all with our
greenhouse models.



**FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING**

O6i 1200W

FIXTURE SPECIFICATIONS

PPF	3,000 $\mu\text{Mol/s}$
Fixture Efficacy (100% - 50% power)	2.5 - 2.7 $\mu\text{Mol/J}$
Input power	1200W
Input voltage	Options up to 480V
LIGHT HARVESTING SENSORS FOR AUTO-DIMMING	
Fixture dimensions	16L x 8W x 13H in
Weight	35 lbs
Thermal management	Passive & Active
Maximum Ambient Operating Temperature	100°F
BTUs / hour	4,094
Dimming	10%
CRI	80
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	IP65
Communication protocol	Wireless, 0-10V w/converter, Ethernet w/converter, RS485
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ O6i 1200W



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	10.00A	5.77A	5.00A	4.33A	3.46A	2.50A

PLEIADES 320W

FIXTURE SPECIFICATIONS

PPF 900 $\mu\text{Mol/s}$

Fixture Efficacy (100% - 50% power) 2.8 - 3.0 $\mu\text{Mol/J}$

Input power 320W

Input voltage options Options up to 480V

LIGHT HARVESTING SENSORS FOR AUTO-DIMMING

Fixture dimensions 28L x 4W x 6H in

Weight 15 lbs.

Thermal management Passive

Maximum Ambient Operating Temperature 100°F

BTUs / hour 1,091

Dimming 10%

CRI 90

Control interface Wall-mounted OLED panel

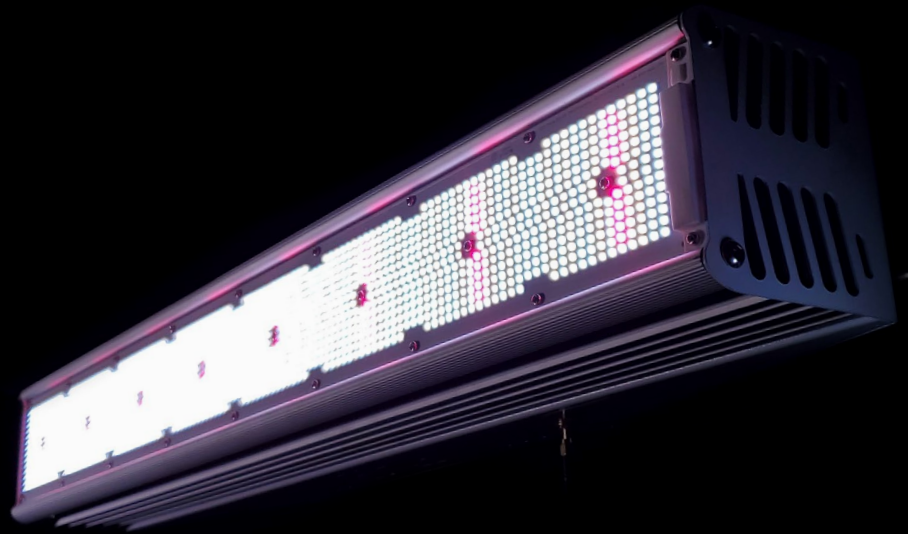
L90 50,000 hours

Power supply rating 100,000 hours

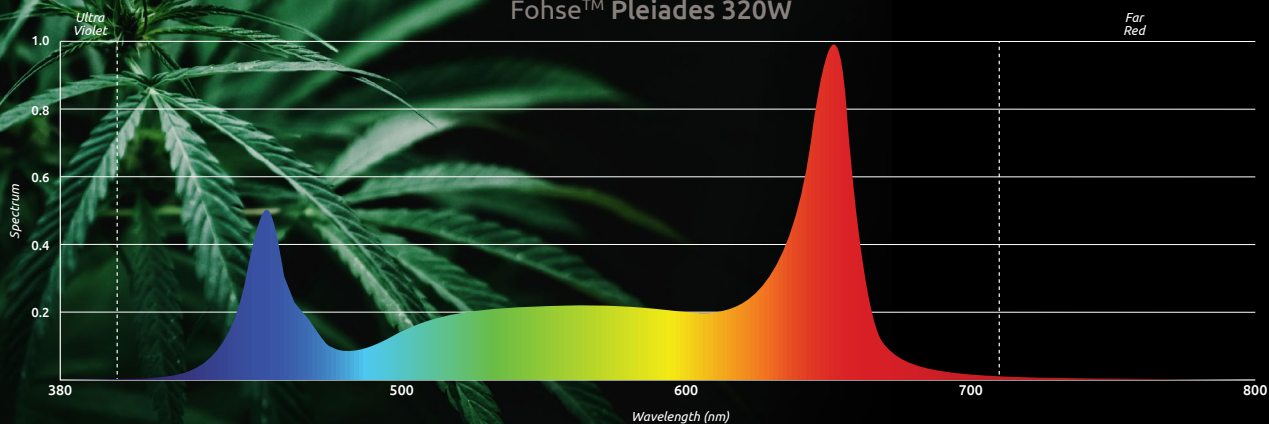
Certifications IP55

Communication protocol Wireless, 0-10V w/converter, Ethernet w/converter, RS485

Mounting Truss-mounting Spring Clip



Spectrophotometer Test Report
Fohse™ Pleiades 320W



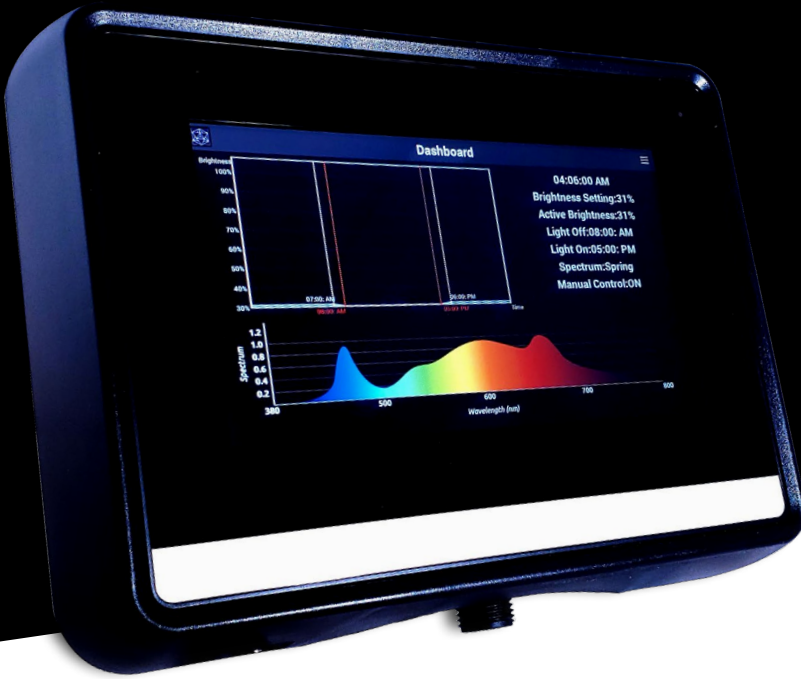
VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	2.67A	1.54A	1.33A	1.16A	0.92A	V



FÖHSE™

ACCESSORIES

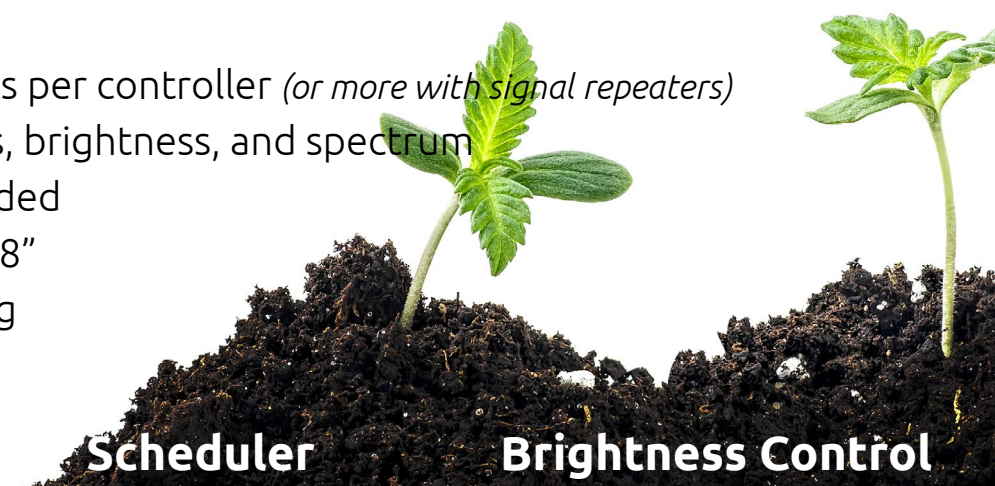




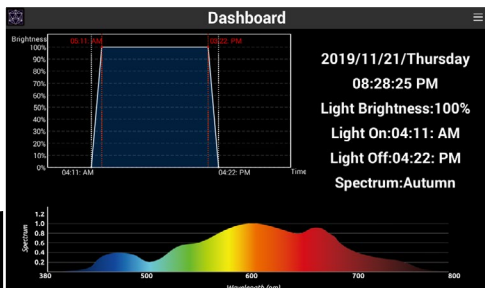
CENTRAL CONTROL

AUTOMATED MANAGEMENT OF YOUR FOHSE LED ARRAY

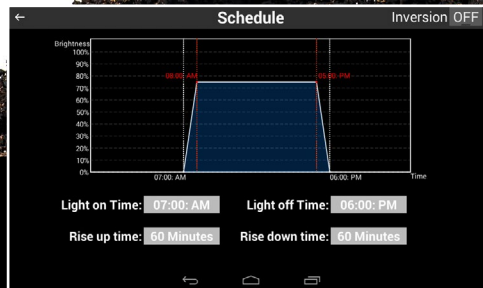
- Daisy chain up to 100 fixtures per controller (*or more with signal repeaters*)
- Automate lighting schedules, brightness, and spectrum
- Wall-mounting bracket included
- Compact size : 9" x 6.7" x 1.68"
- Standard 110 volt outlet plug
- Input power : 10 Watts



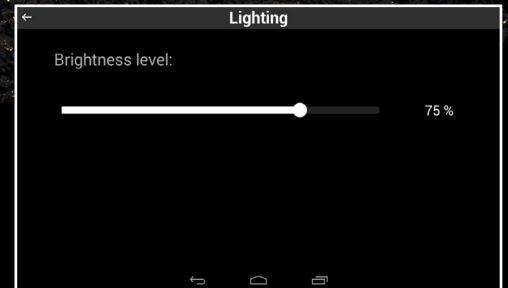
Homescreen



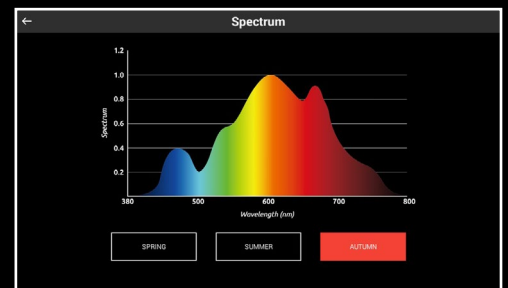
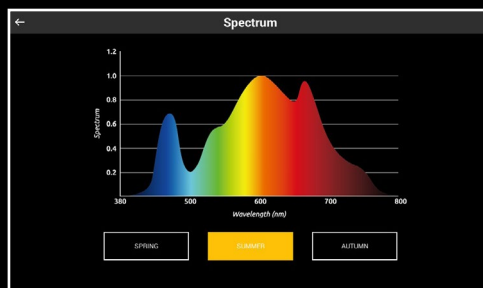
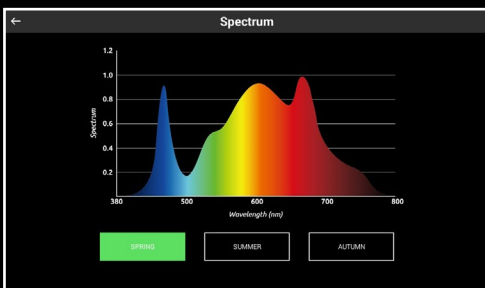
Scheduler



Brightness Control



Spectrum Selection





FUTURE OF HORTICULTURAL
SCIENCE + ENGINEERING

LIGHT HARVESTING

AUTOMATED ADJUSTMENT OF YOUR
GREENHOUSE LIGHT INTENSITY



- 5.32" L x 5.74" W x 4.32"
- HAuto-dim down to 10%
- Network multiple sensors around your greenhouse
- Wirelessly communicate to your Fohse fixtures
- Set up multiple 'zones', each with independent light intensity response curves



*Consistent, reliable yields begin with
consistent, reliable light levels.*



Maintaining consistent light levels in your greenhouse is easier said than done when your primary light source is affected by the whims of nature. Connect your Fohse greenhouse fixtures to our light harvesting sensor and trust that your light levels will maintain consistency no matter what Mother Nature tosses your way.



DURABILITY TESTING

INGRESS PROTECTION RATING

The grow room is rife with hazards for your system: humidity, condensation, dust, mites, spores, water spray, etc. Reference the chart below to learn how to read an 'Ingress Protection' rating as stated on any manufacturer's fixture data sheet.

FOHSE A3i
IP67

1000W DE HPS
IP30

SOLIDS

- ① > 50 mm
- ② > 12.5 mm
- ③ > 2.5 mm
- ④ > 1 mm
- ⑤ Mostly Dust tight
- ⑥ Dust tight

IP67

INGRESS PROTECTION

LIQUIDS

- ① Vertical water drops
- ② 15° angled water drops
- ③ 60° angled water spray
- ④ Water splash all directions
- ⑤ Water jets
- ⑥ Powerful Water jets
- ⑦ 1 meter submersion 30 minutes
- ⑧ Submersion under pressure long periods





HIGH-EFFICACY, HIGH-OUTPUT MODELS

The most powerful and efficient models from each of our fixture classes.

A3i 1500W+

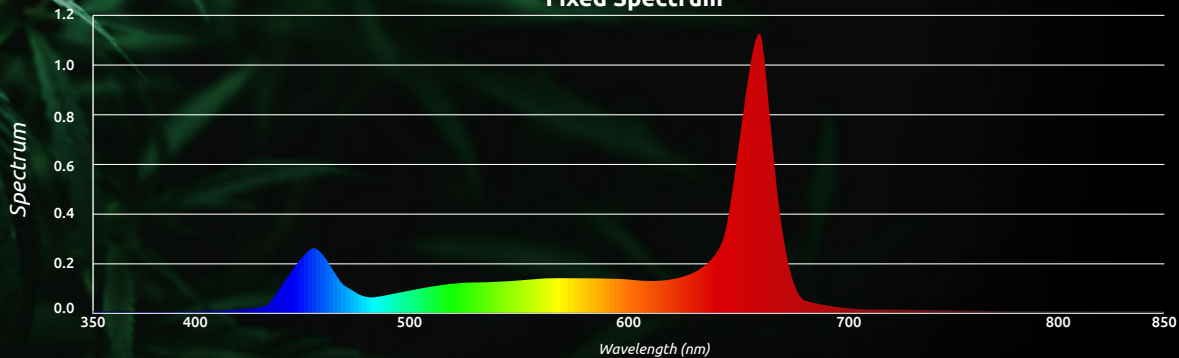
FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	4,800 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	3.2 - 3.4 $\mu\text{Mol/J}$
Input power	1500W
Input voltage	Options up to 480V
Fixture dimensions	42.28L x 42.5W x 4H in
Weight	70 lbs
Thermal management	Passive
Maximum Ambient Operating Temperature	100°F (37.8°C)
Dimming	30%
Lens angle	90°
CRI	92
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	ETL, IP67, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ A3i 1500W+

Fixed Spectrum



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	12.50A	7.21A	6.25A	5.42A	4.32A	3.13A

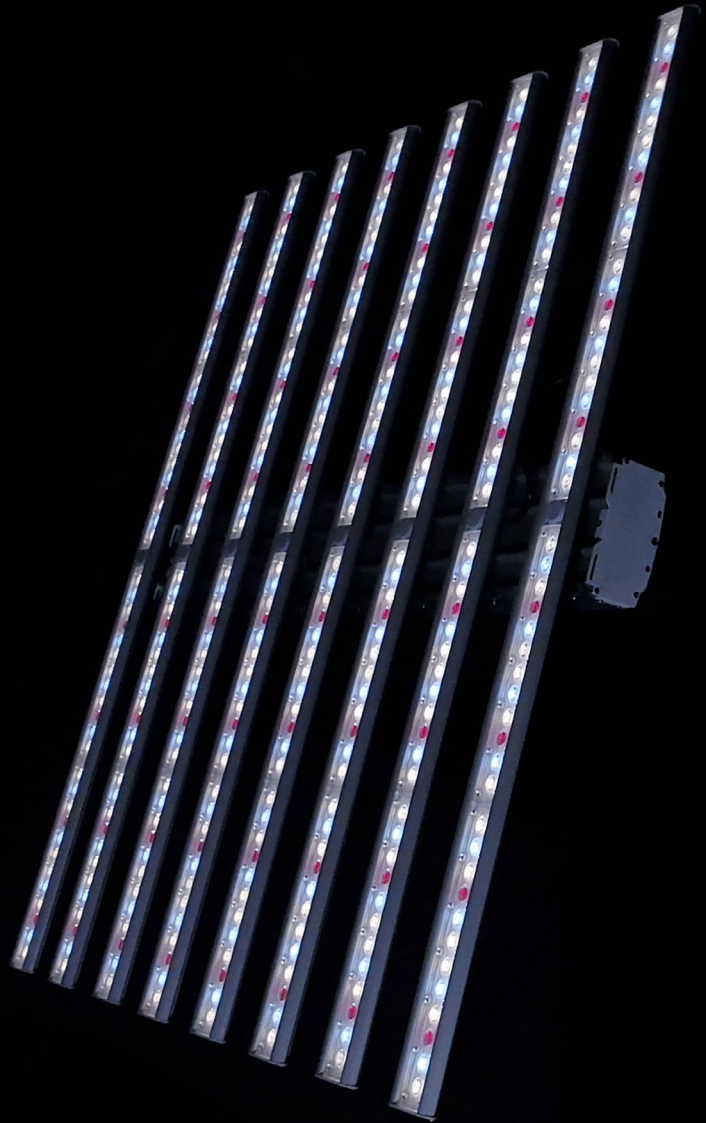


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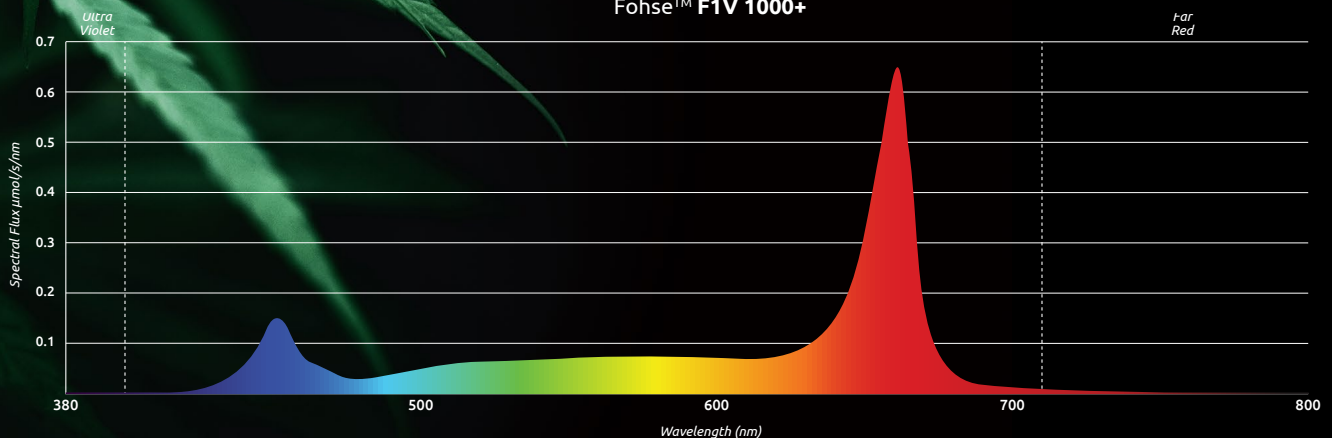
F1V 1000W+

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	2,800 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	2.8 - 3.0 $\mu\text{Mol/J}$
Input power	1000W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	38 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	3,412
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ F1V 1000+



VOLTAGE	120V	208V	240V	277V	347V	480V
AMPERAGE	8.33A	4.81A	4.17A	3.61A	2.88A	2.08A

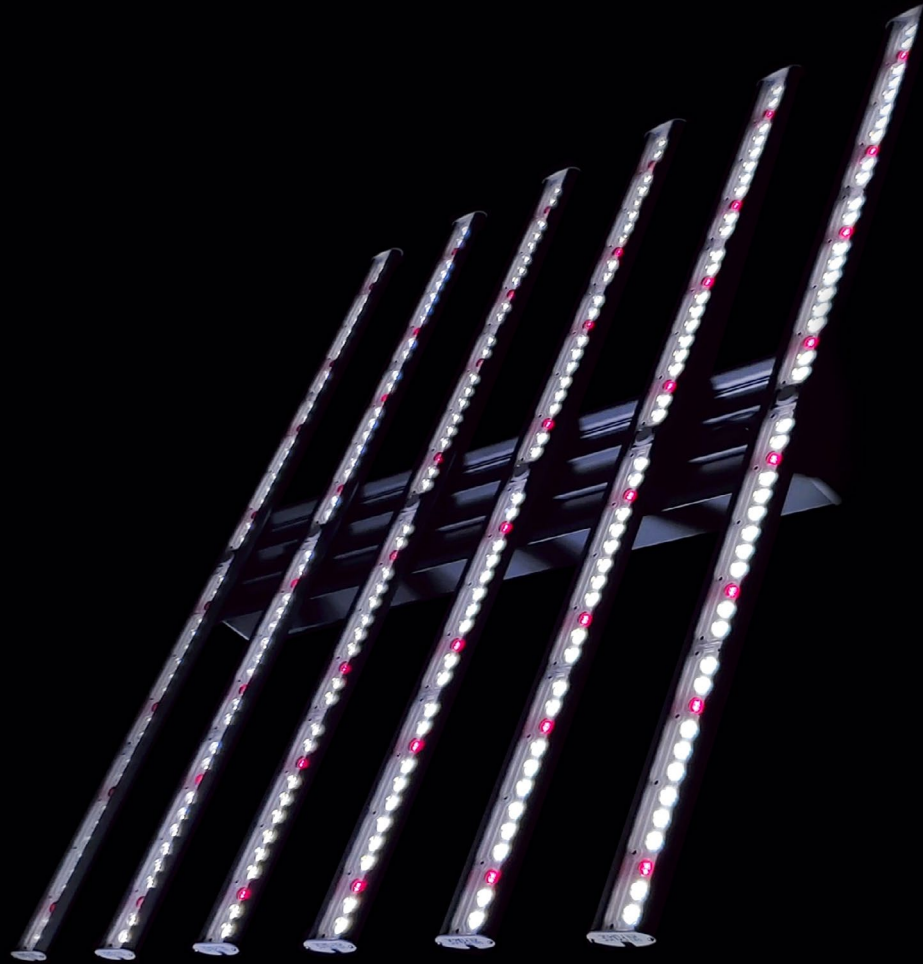


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F1V 600W+

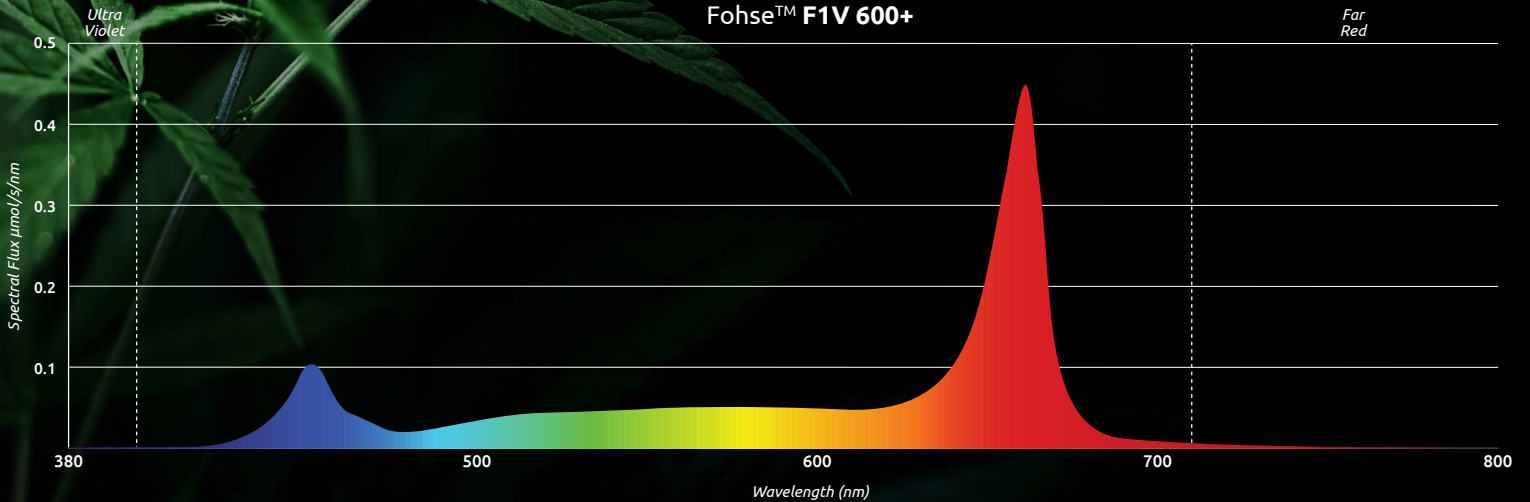
FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	1,800 $\mu\text{Mol/s}$
Fixture Efficacy 100% - 50% power	3.0 - 3.2 $\mu\text{Mol/J}$
Input power	600W
Input voltage	Options up to 480V
Fixture dimensions	42.0L x 46.5W x 4.6H in
Weight	36 lbs
Thermal management	Passive
Maximum Ambient Air Temperature	100°F (37.7°C)
BTUs / hour	2,047
Dimming	30%
Lens angle	100°
CRI	90
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	UL, IP65, CE
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report

Fohse™ F1V 600+



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



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SCIENCE + ENGINEERING**

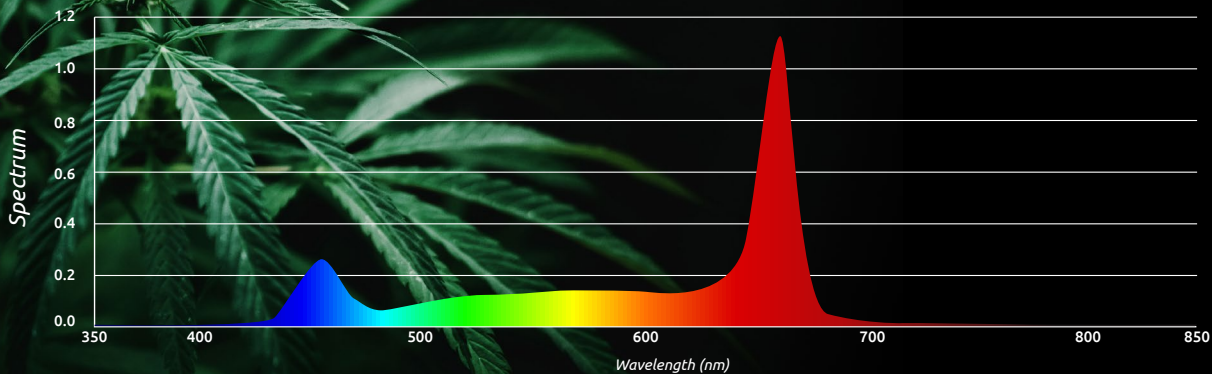
ARIES 640W+

FIXTURE SPECIFICATIONS

Light source	Samsung LEDs
PPF	2,048 $\mu\text{Mol/s}$
Fixture Efficacy (100% - 50% power)	3.2 - 3.4 $\mu\text{Mol/J}$
Input power	640W
Input voltage	Options up to 480V
Fixture dimensions	33L x 33W x 4.25H in
Weight	34 lbs
Thermal management	Passive
Maximum Ambient Operating Temperature	100°F
BTUs / hour	2,183
Dimming	30%
Lens angle	100°
CRI	92
Control interface	Wall-mounted OLED panel
L90	50,000 hours
Power supply rating	100,000 hours
Certifications	IP67
Communication protocol	RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting	Universal Hanging



Spectrophotometer Test Report
Fohse™ Aries 640W+
Fixed Spectrum



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



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