

New!

ETS MAX

Double the Coverage for the Same Power

The ETS MAX is the most efficient greenhouse light available for its spectrum, delivering **twice the light output** per watt compared to HPS fixtures. Designed specifically for leafy greens with multiple spectrum options, it supports faster crop cycles, even in low-light seasons. Growers can expect better crop consistency and quality with richer coloration, thicker leaves, and larger leaf size. The result: shorter turn times, increased production, and extended shelf life—all while reducing strain on greenhouse infrastructure with a lightweight, installation-friendly design.

Multiple Spectrums

7A	5B	2A
76% Red	57% Red	29% Red

Flexible Power Options

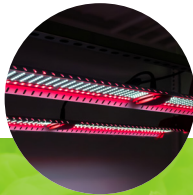
- 1 Full Power
PPF: 2,600 PPE: 3.48
- 2 89% Power
PPF: 2,370 PPE: 3.55
- 3 66% Power
PPF: 1,830 PPE: 3.69

The data shown here reflects 7A 2-Bar configuration with DC efficacy. Complete spectrum and array configurations are detailed in the following pages.



Energy-Efficient Performance

Double your coverage with the same power as HPS



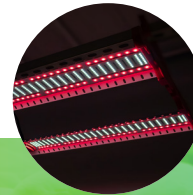
Faster Harvest Cycles

Produce higher-quality product in less time



Better Crop Quality

Richer color, thicker leaves, and improved uniformity.



Lightweight & Load-Friendly

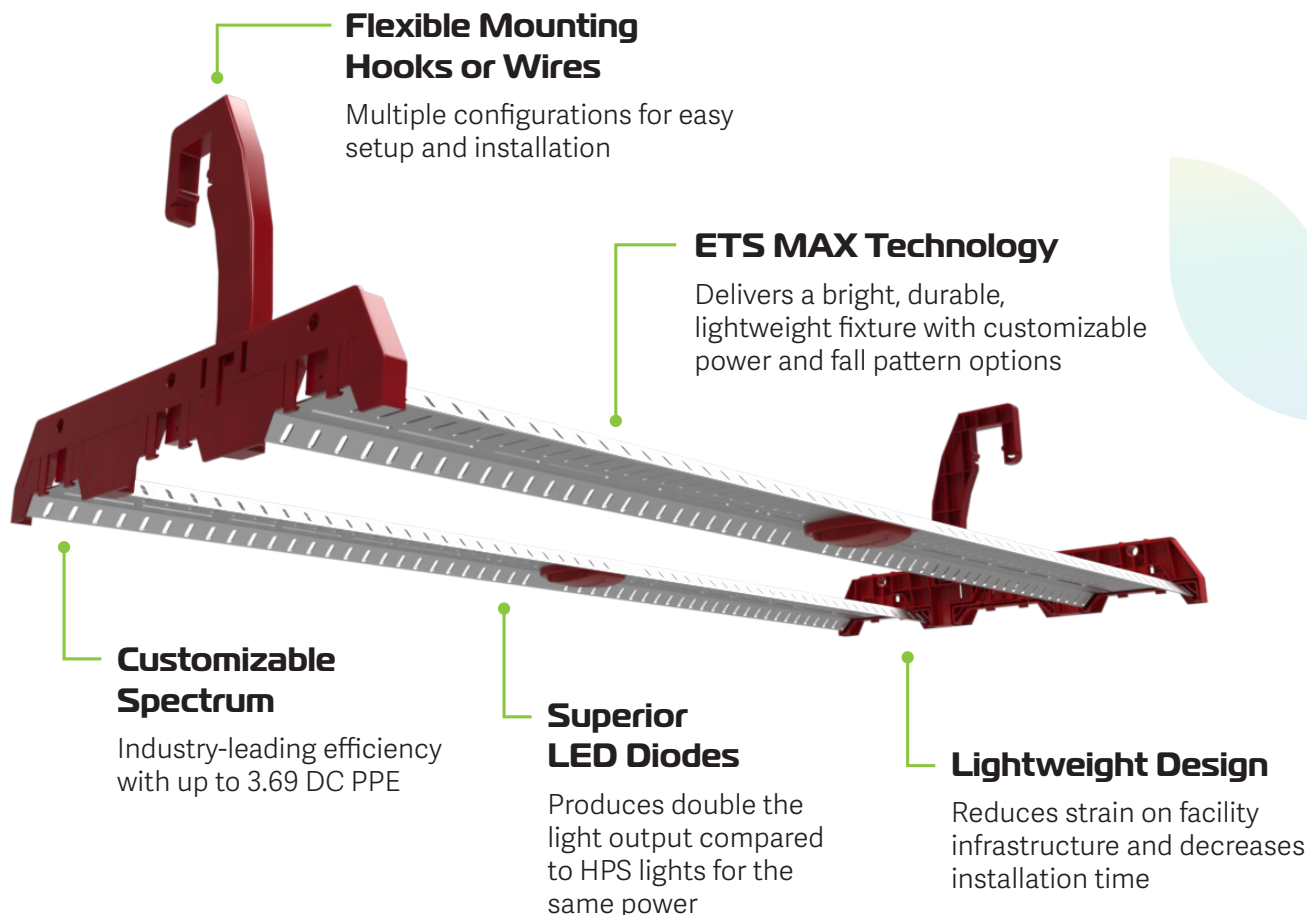
Reduces strain on greenhouse infrastructure



Versatile Spectrum Options

Different spectrums for targeted crop response

Key Attributes



LIGHT BAR CONFIGURATIONS
Depending on the spectrum, ETS MAX comes in 1 bar, 2 bar, and 3 bar arrays

Key Features

- ✦ **High-Output LED Design**
Delivers twice the light output per watt compared to HPS fixtures.
- ✦ **Modular Installation**
Flexible mounting and multiple configurations for easy setup.
- ✦ **Customizable Spectrum**
Precision-tuned light spectrum to optimize plant health at every growth stage.
- ✦ **Expanded Power Options**
Greater flexibility to fine-tune lighting for different growth stages.
- ✦ **Thermal Management**
Advanced cooling system ensures consistent operation and extended LED lifespan.

76% Red

7A Spectrum

Optimized Applications

PLANT TYPE
**Lettuce &
Ornamentals**

GROWTH STAGE
Vegetative
Phase 1 of our
Phasic Lettuce System

Key Benefits

Exceptional Efficiency

Ultra-high PPE output delivers more usable light per watt—maximizing energy savings without compromising plant performance.

Rapid Leaf Expansion

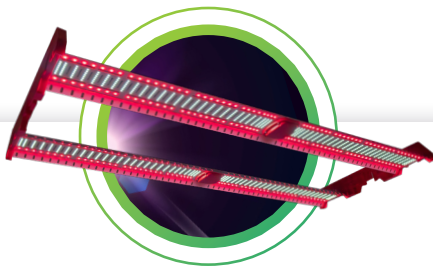
Optimized red and far-red ratios promote broad leaf growth and stronger photosynthetic activity for faster vegetative development.

Robust Canopy Growth

Engineered to support vigorous, balanced growth with consistent coverage and even canopy fill across the production area.

High Yield Performance

Drives accelerated biomass accumulation and cycle turns—helping growers hit target yields with speed and consistency.



ETS MAXP-7A 2 Bars

Full Power

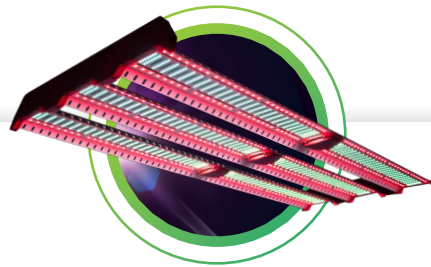
PPF: 2,600 | PPE: 3.48

89% Power

PPF: 2,370 | PPE: 3.55

66% Power

PPF: 1,830 | PPE: 3.69



ETS MAXP-7A 3 Bars

Full Power

PPF: 3,900 | PPE: 3.48

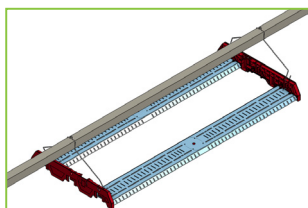
89% Power

PPF: 3,550 | PPE: 3.55

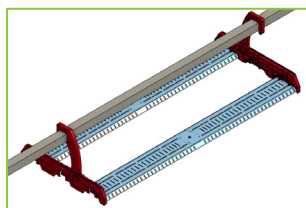
66% Power

PPF: 2,750 | PPE: 3.69

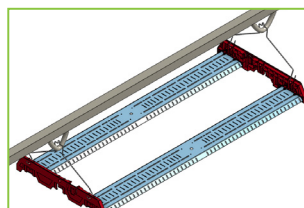
*DC Efficacy



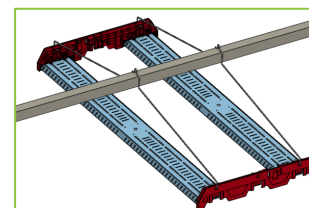
Parallel - On Wire



Parallel - On Hook



Parallel - Hanging Below

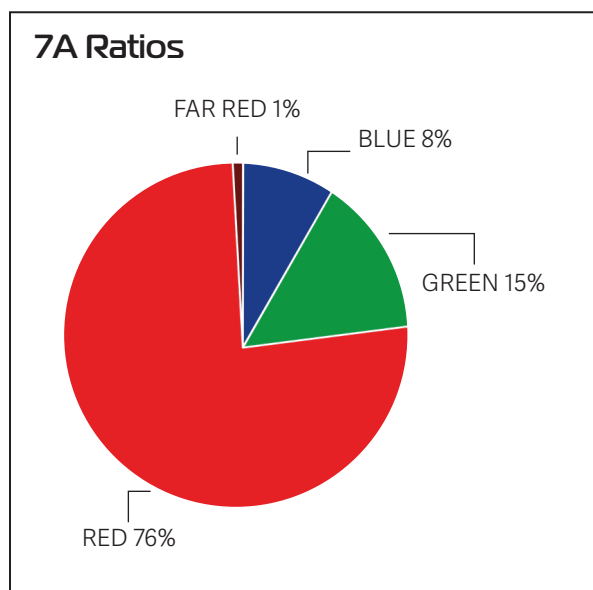
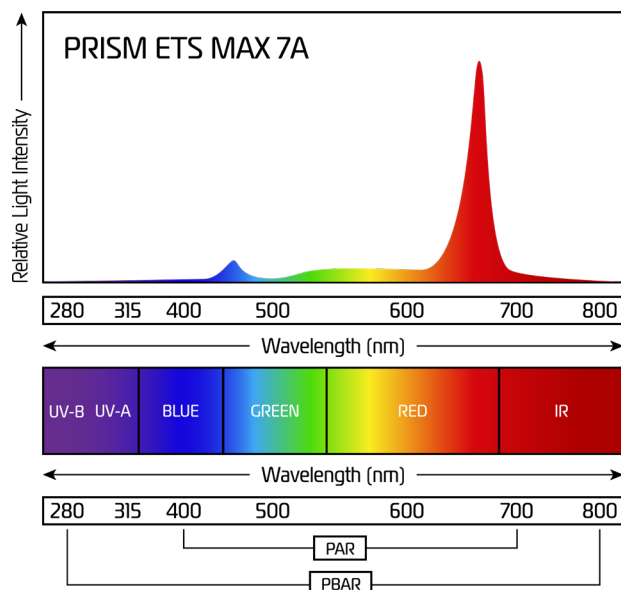


Perpendicular - On Wire

ETS MAX 7A Spectrum - 2 Bar

7A Spectrum, 2 Bar Array					
Metric		ETS MAXP-7A Single Bar DC Powered Full Power	ETS MAX 800P-480-7A-2 Bar Array		
			Full Power (800W)	700W	520W
Optical	Photosynthetic Photon Flux: PPF (μmol/s)	1,304	2,600	2,370	1,830
	Photosynthetic Photon Efficacy: PPE (μmol/Joule)	3.48			
	Efficacy - AC derated PPE (μmol/Joule) (worst case 277/480V)		3.25	3.32	3.45
DC	DC Input voltage	49.1			
	DC current (A):	7.62			
	DC Power (W):	375			
AC & Driver	AC Voltage & Frequency: (VAC)		277 to 480 50/60Hz		
	AC Derated Power - Typical (W)		800		
	AC Current (typ) - 277 V		2.93		
	AC Current (typ) - 480 V		1.81		
	Power Factor (worst case @ 480V)		.918		
	Total Harmonic Distortion (%) (worst case @ 480V)		17.5		
	Driver Lifetime				
	Maximum Ambient Temperature	45 deg C	45 deg C		

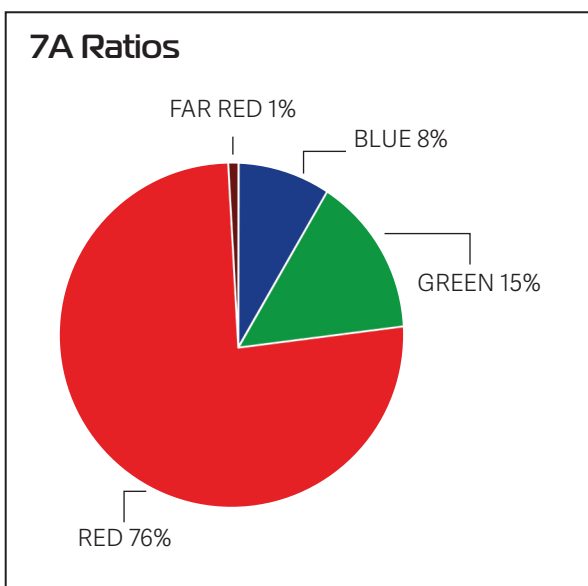
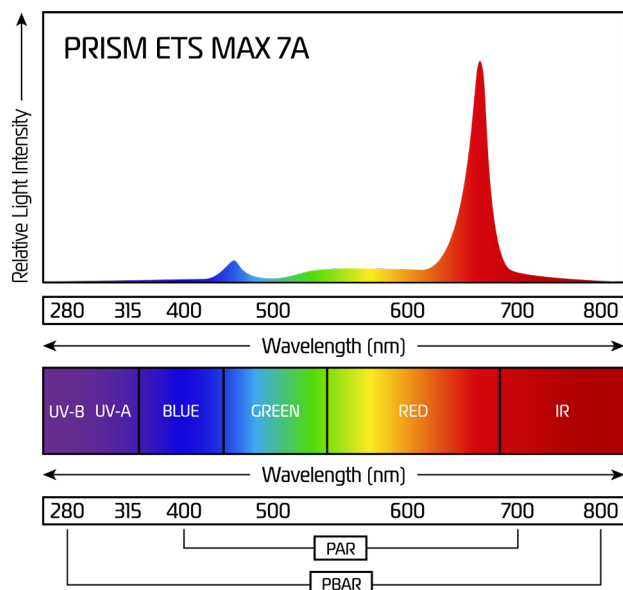
Light Type	Controlled Environment	Indoor stacked, Indoor Non-stacked, and Greenhouse
	Lighting Scheme	Top Light
	Use Case	Sole-source and Supplemental
Dimming	Type	0-10V IEC, Dim to Off
	Connector	M12 Connector, Waterproof
Safety & Certifications	UL8800	Certified
	Design Lights Consortium	Pending
Lifetime	Photon Flux Maintenance L90	>50,000 Hours
	Warranty	5 Year Parts and Labor



ETS MAX 7A Spectrum - 3 Bar

7A Spectrum, 3 Bar Array					
Metric		ETS MAXP-7A Single Bar DC Powered Full Power	ETS MAX 1200P-480-7A-3 Bar Array		
			Full Power (1200W)	1050W	780W
Optical	Photosynthetic Photon Flux: PPF ($\mu\text{mol/s}$)	1,304	3,900	3,560	2,750
	Photosynthetic Photon Efficacy: PPE ($\mu\text{mol/Joule}$)	3.48			
	Efficacy - AC derated PPE ($\mu\text{mol/Joule}$) (worst case 277/480V)		3.25	3.32	3.45
DC	DC Input voltage	49.1			
	DC current (A):	7.62			
	DC Power (W):	375			
AC & Driver	AC Voltage & Frequency: (VAC)		277 to 480 50/60Hz		
	AC Derated Power - Typical (W)		1,200		
	AC Current (typ) - 277 V		4.51		
	AC Current (typ) - 480 V		2.70		
	Power Factor (worst case @ 480V)		.944		
	Total Harmonic Distortion (%) (worst case @ 480V)		13.3		
	Driver Lifetime		>50,000 hrs		
	Maximum Ambient Temperature	45 deg C	45 deg C		

Light Type	Controlled Environment	Indoor stacked, Indoor Non-stacked, and Greenhouse
	Lighting Scheme	Top Light
	Use Case	Sole-source and Supplemental
Dimming	Type	0-10V IEC, Dim to Off
	Connector	M12 Connector, Waterproof
Safety & Certifications	UL8800	Certified
	Design Lights Consortium	Pending
Lifetime	Photon Flux Maintenance L90	>50,000 Hours
	Warranty	5 Year Parts and Labor



57% Red

5B Spectrum

Optimized Applications

PLANT TYPE
Ornamentals

GROWTH STAGE
All Stages

Key Benefits

Brilliant Color Expression

Drives deeper pigmentation and richer hues that stand out in retail settings

Enhanced Efficiency

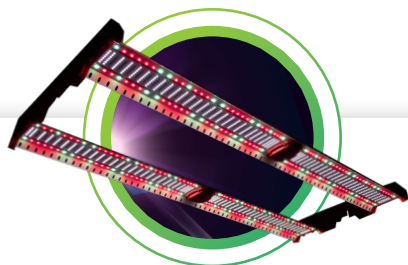
Higher efficacy than previous models, delivering more usable light per watt.

Balanced Uniformity

Even canopy lighting results in consistent color, shape, and size—perfect for retail presentation.

Encourages Compact Growth

Blue-rich spectrum promotes tighter internodes for full, vibrant plants.



ETS MAXP-5B 2 Bars

Full Power

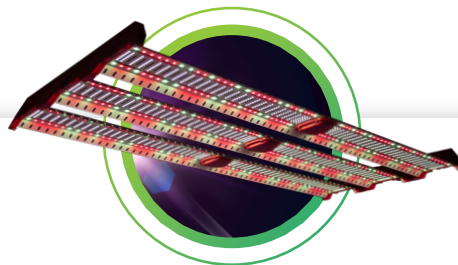
PPF: 2,300 | PPE: 3.01

89% Power

PPF: 2,060 | PPE: 3.08

65% Power

PPF: 1,600 | PPE: 3.22



ETS MAXP-5B 3 Bars

Full Power

PPF: 3,450 | PPE: 3.01

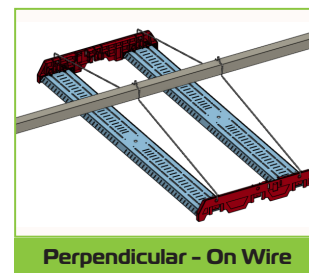
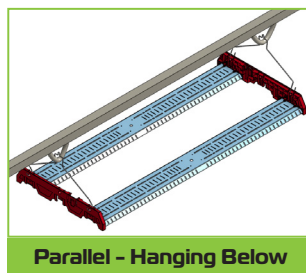
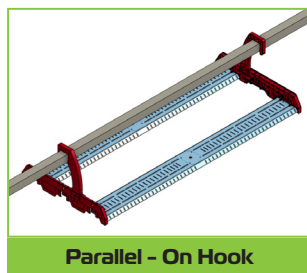
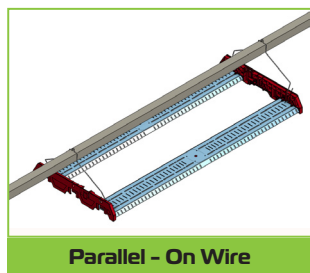
89% Power

PPF: 3,080 | PPE: 3.08

65% Power

PPF: 2,400 | PPE: 3.22

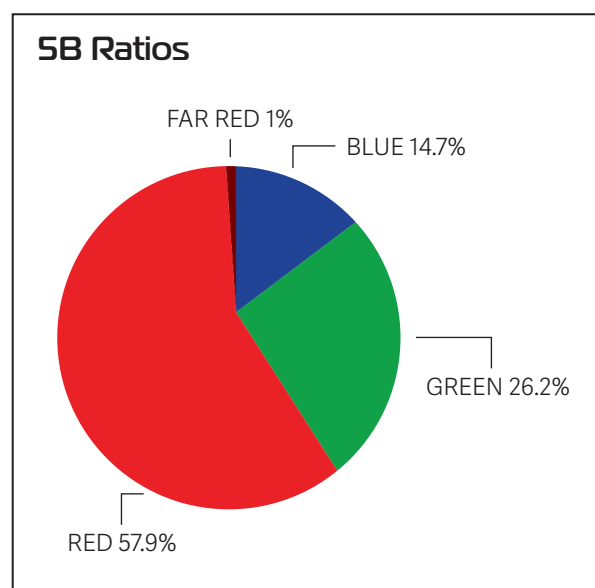
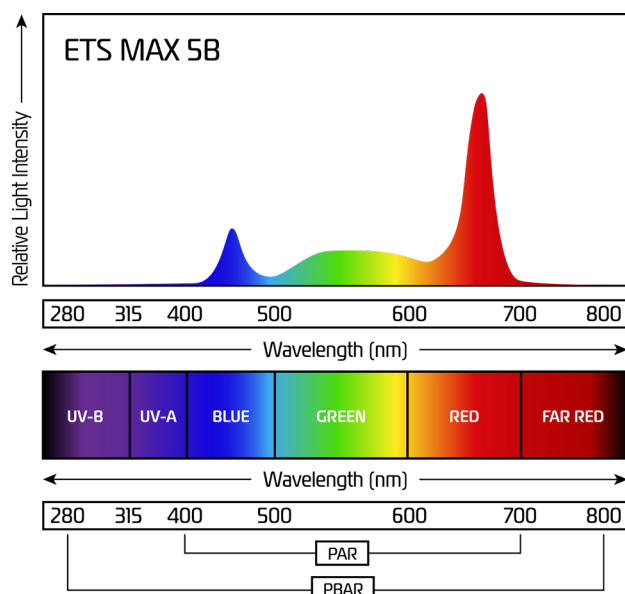
*DC Efficacy



ETS MAX 5B Spectrum - 2 Bar

5B Spectrum, 2 Bar Array					
Metric		ETS MAXP-5B Single Bar DC Powered Full Power	ETS MAX 800P-480-5B-2 Bar Array		
			Full Power (815W)	700W	520W
Optical	Photosynthetic Photon Flux: PPF (μmol/s)	1150	2300W	2060	1600
	Photosynthetic Photon Efficacy: PPE (μmol/Joule)	3.01			
	Efficacy - AC derated PPE (μmol/Joule) (worst case 277/480V)		2.82	2.89	3.02
DC	DC Input voltage	53.7			
	DC current (A):	7.10			
	DC Power (W):	381.8			
AC & Driver	AC Voltage & Frequency: (VAC)		277 to 480 50/60Hz		
	AC Derated Power - Typical (W)		815		
	AC Current (typ) - 277 V		2.98		
	AC Current (typ) - 480 V		1.85		
	Power Factor (worst case @ 480V)		.919		
	Total Harmonic Distortion (%) (worst case @ 480V)		17.1		
	Driver Lifetime		>50,000 hrs		
Maximum Ambient Temperature		45 deg C	45 deg C		

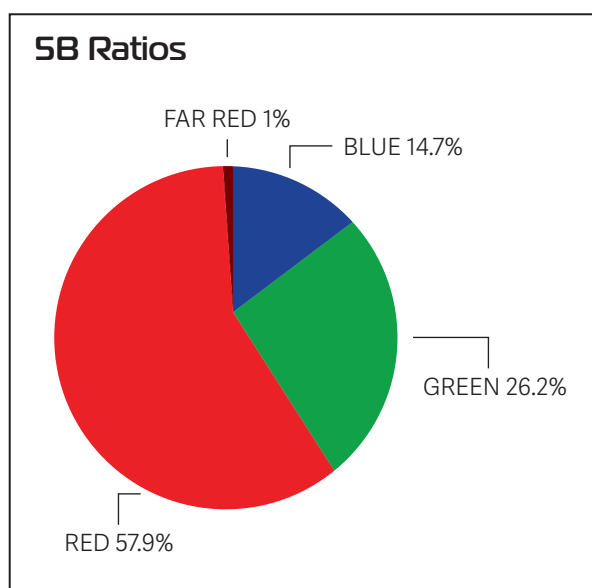
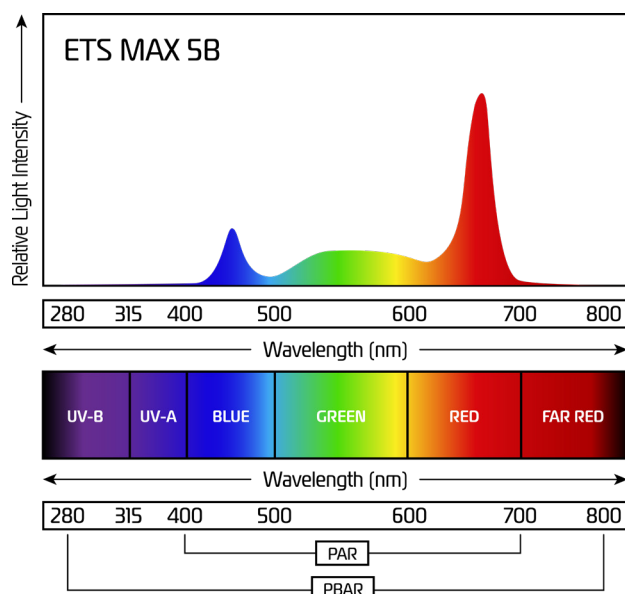
Light Type	Controlled Environment	Indoor stacked, Indoor Non-stacked, and Greenhouse
	Lighting Scheme	Top Light
	Use Case	Sole-source and Supplemental
Dimming	Type	0-10V IEC, Dim to Off
	Connector	M12 Connector, Waterproof
Safety & Certifications	UL8800	Certified
	Design Lights Consortium	Pending
Lifetime	Photon Flux Maintenance L90	>50,000 Hours
	Warranty	5 Year Parts and Labor



ETS MAX 5B Spectrum - 3 Bar

5B Spectrum, 3 Bar Array					
Metric		ETS MAX-P5B Single Bar DC Powered Full Power	ETS MAX 1200P-480-5B-3 Bar Array		
			Full Power (1225W)	1050W	780W
Optical	Photosynthetic Photon Flux: PPF ($\mu\text{mol/s}$)	1150	3450W	3080	2400
	Photosynthetic Photon Efficacy: PPE ($\mu\text{mol/Joule}$)	3.01			
	Efficacy - AC derated PPE ($\mu\text{mol/Joule}$) (worst case 277/480V)		2.81	2.88	3.01
DC	DC Input voltage	53.7			
	DC current (A):	7.10			
	DC Power (W):	382			
AC & Driver	AC Voltage & Frequency: (VAC)		277 to 480 50/60Hz		
	AC Derated Power - Typical (W)		1225		
	AC Current (typ) - 277 V		4.48		
	AC Current (typ) - 480 V		2.70		
	Power Factor (worst case @ 480V)		.944		
	Total Harmonic Distortion (%) (worst case @ 480V)		12.6		
	Driver Lifetime		>50,000 hrs		
Maximum Ambient Temperature		45 deg C	45 deg C		

Light Type	Controlled Environment	Indoor stacked, Indoor Non-stacked, and Greenhouse
	Lighting Scheme	Top Light
	Use Case	Sole-source and Supplemental
Dimming	Type	0-10V IEC, Dim to Off
	Connector	M12 Connector, Waterproof
Safety & Certifications	UL8800	Certified
	Design Lights Consortium	Pending
Lifetime	Photon Flux Maintenance L90	>50,000 Hours
	Warranty	5 Year Parts and Labor



20% Red

2A Spectrum

Optimized Applications

PLANT TYPE
Lettuce

GROWTH STAGE
Stress / Finishing
Phase 2 of our
Phasic Lettuce System

Key Benefits

Improved Crunch and Texture

Applies mild physiological stress to boost crispness, and firmness.

Encourages Compact Growth

Blue-rich spectrum promotes tighter internodes for full, dense plants.

Extended Shelf Life

Delivers stronger post-harvest performance for longer-lasting greens.

Enhanced Flavor Development

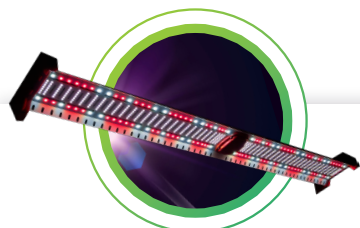
Stimulates nutrient concentration for better tasting greens.

Post-Veg Enhancement

Designed to complement growth-stage lighting by enhancing quality during the final phase—without sacrificing yield.

Increased Leaf Thickness

Balanced blue-rich spectrum promotes thicker, more resilient leaf development.

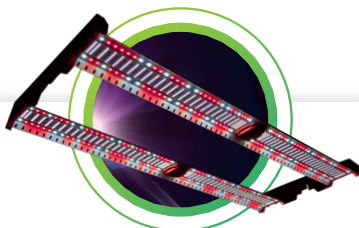


ETS MAXP-2A 1 Bar

Full Power
PPF: 1,090 | PPE: 2.92

87.5% Power
PPF: 975 | PPE: 3.00

65% Power
PPF: 758 | PPE: 3.12

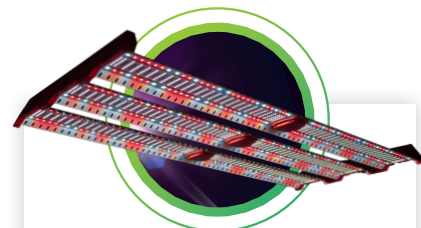


ETS MAXP-2A 2 Bars

Full Power
PPF: 2,180 | PPE: 2.92

87.5% Power
PPF: 1,950 | PPE: 3.00

65% Power
PPF: 1,515 | PPE: 3.12



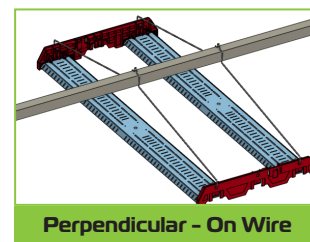
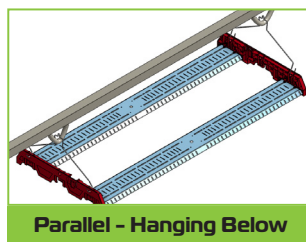
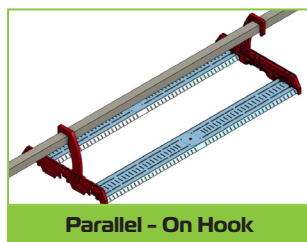
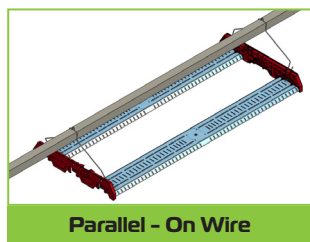
ETS MAXP-2A 3 Bars

Full Power
PPF: 3,270 | PPE: 2.92

87.5% Power
PPF: 2,930 | PPE: 3.00

65% Power
PPF: 2,275 | PPE: 3.12

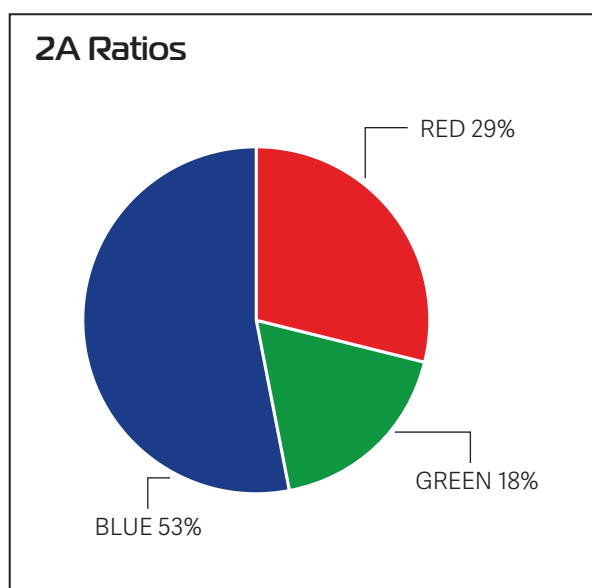
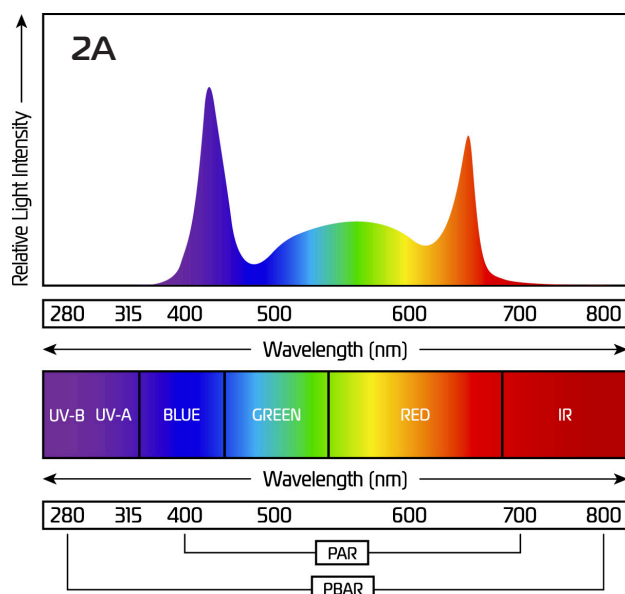
*DC Efficacy



ETS MAX 2A Spectrum - 1 Bar

2A Spectrum, 1 Bar Array					
Metric		ETS MAXP-2A DC Powered Full Power	ETS MAX 400P-480-2A-Single Bar		
			Full Power (395W)	345W	257W
Optical	Photosynthetic Photon Flux: PPF (μmol/s)	1090	1090	980	765
	Photosynthetic Photon Efficacy: PPE (μmol/Joule)	2.92			
	Efficacy - AC derated PPE (μmol/Joule)		2.77	2.84	2.97
DC	DC Input voltage	52.9			
	DC current (A):	7.1			
	DC Power (W):	375.6			
AC & Driver	AC Voltage & Frequency: (VAC)		277 to 480 50/60Hz		
	AC Derated Power - Typical (W)		395	345	257
	AC Current (typ) - 277 V		1.42	1.25	.93
	AC Current (typ) - 480 V		.82	.72	.54
	Power Factor		.941	.951	.961
	Total Harmonic Distortion (%)		12.2	10.5	10.0
	Driver Lifetime		>50,000 hrs		
	Maximum Ambient Temperature	45 deg C	45 deg C		

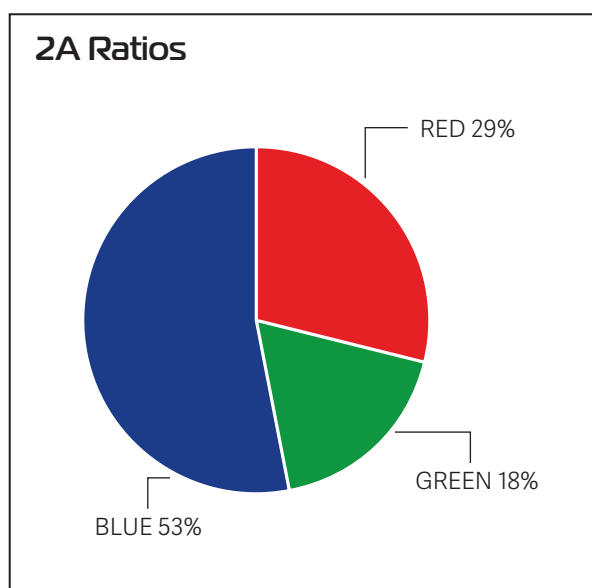
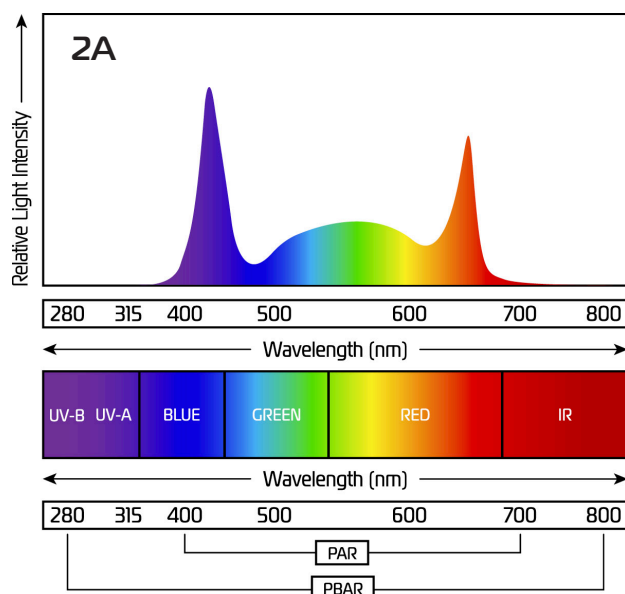
Light Type	Controlled Environment	Indoor stacked, Indoor Non-stacked, and Greenhouse
	Lighting Scheme	Top Light
	Use Case	Sole-source and Supplemental
Dimming	Type	0-10V IEC, Dim to Off
	Connector	M12 Connector, Waterproof
Safety & Certifications	UL8800	Certified
	Design Lights Consortium	Pending
Lifetime	Photon Flux Maintenance L90	>50,000 Hours
	Warranty	5 Year Parts and Labor



ETS MAX 2A Spectrum - 2 Bar

2A Spectrum, 2 Bar Array					
Metric		ETS MAXP-2A DC Powered Full Power	ETS MAX 800P-480-2A-2 Bar Array		
			Full Power (800W)	700W	520W
Optical	Photosynthetic Photon Flux: PPF (μmol/s)	1090	1090	980	765
	Photosynthetic Photon Efficacy: PPE (μmol/Joule)	2.92			
	Efficacy - AC derated PPE (μmol/Joule)		2.79	2.85	2.99
DC	DC Input voltage	52.9			
	DC current (A):	7.1			
	DC Power (W):	375.6			
AC & Driver	AC Voltage & Frequency: (VAC)		277 to 480 50/60Hz		
	AC Derated Power - Typical (W)		800	700	520
	AC Current (typ) - 277 V		2.89	2.53	1.88
	AC Current (typ) - 480 V		1.67	1.46	1.08
	Power Factor		.941	.951	.961
	Total Harmonic Distortion (%)		12.8	10.5	10.0
	Driver Lifetime		>50,000 hrs		
	Maximum Ambient Temperature	45 deg C	45 deg C		

Light Type	Controlled Environment	Indoor stacked, Indoor Non-stacked, and Greenhouse
	Lighting Scheme	Top Light
	Use Case	Sole-source and Supplemental
Dimming	Type	0-10V IEC, Dim to Off
	Connector	M12 Connector, Waterproof
Safety & Certifications	UL8800	Certified
	Design Lights Consortium	Pending
Lifetime	Photon Flux Maintenance L90	>50,000 Hours
	Warranty	5 Year Parts and Labor



ETS MAX 2A Spectrum - 3 Bar

2A Spectrum, 3 Bar Array					
Metric		ETS MAXP-2A DC Powered Full Power	ETS MAX 1200P-480-2A-3 Bar Array		
			Full Power (1200W)	1050W	780W
Optical	Photosynthetic Photon Flux: PPF (μmol/s)	1090	3350	2990	2335
	Photosynthetic Photon Efficacy: PPE (μmol/Joule)	2.92			
	Efficacy - AC derated PPE (μmol/Joule)		2.79	2.85	2.99
DC	DC Input voltage	52.9			
	DC current (A):	7.1			
	DC Power (W):	375.6			
AC & Driver	AC Voltage & Frequency: (VAC)		277 to 480 50/60Hz		
	AC Derated Power - Typical (W)		1200	1050	780
	AC Current (typ) - 277 V		4.33	3.79	2.82
	AC Current (typ) - 480 V		2.50	2.19	1.63
	Power Factor		.94	.951	.961
	Total Harmonic Distortion (%)		12.8	10.5	10.0
	Driver Lifetime		>50,000 hrs		
	Maximum Ambient Temperature	45 deg C	45 deg C		

Light Type	Controlled Environment	Indoor stacked, Indoor Non-stacked, and Greenhouse
	Lighting Scheme	Top Light
	Use Case	Sole-source and Supplemental
Dimming	Type	0-10V IEC, Dim to Off
	Connector	M12 Connector, Waterproof
Safety & Certifications	UL8800	Certified
	Design Lights Consortium	Pending
Lifetime	Photon Flux Maintenance L90	>50,000 Hours
	Warranty	5 Year Parts and Labor

