

200W LED BAR



The 200w LED Bar isn't just an LED fixture.
It's an LED system.



ASK ANY LEADING CULTIVATOR - IT ALL STARTS WITH VEG.



NEW LUXX VEG LED
80R SPECTRUM

NEW LUXX VEG LED
90R SPECTRUM

METAL
HALIDE

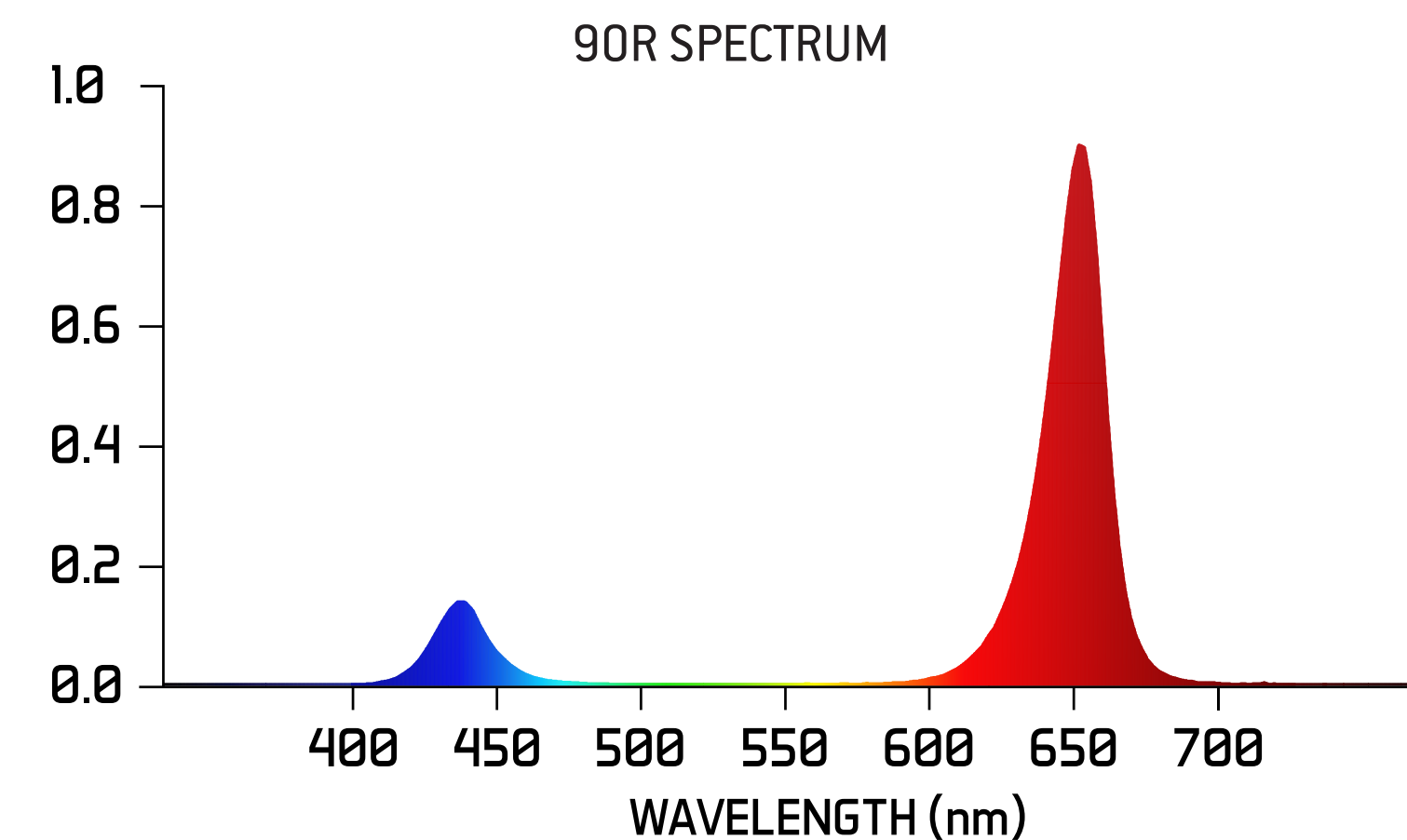
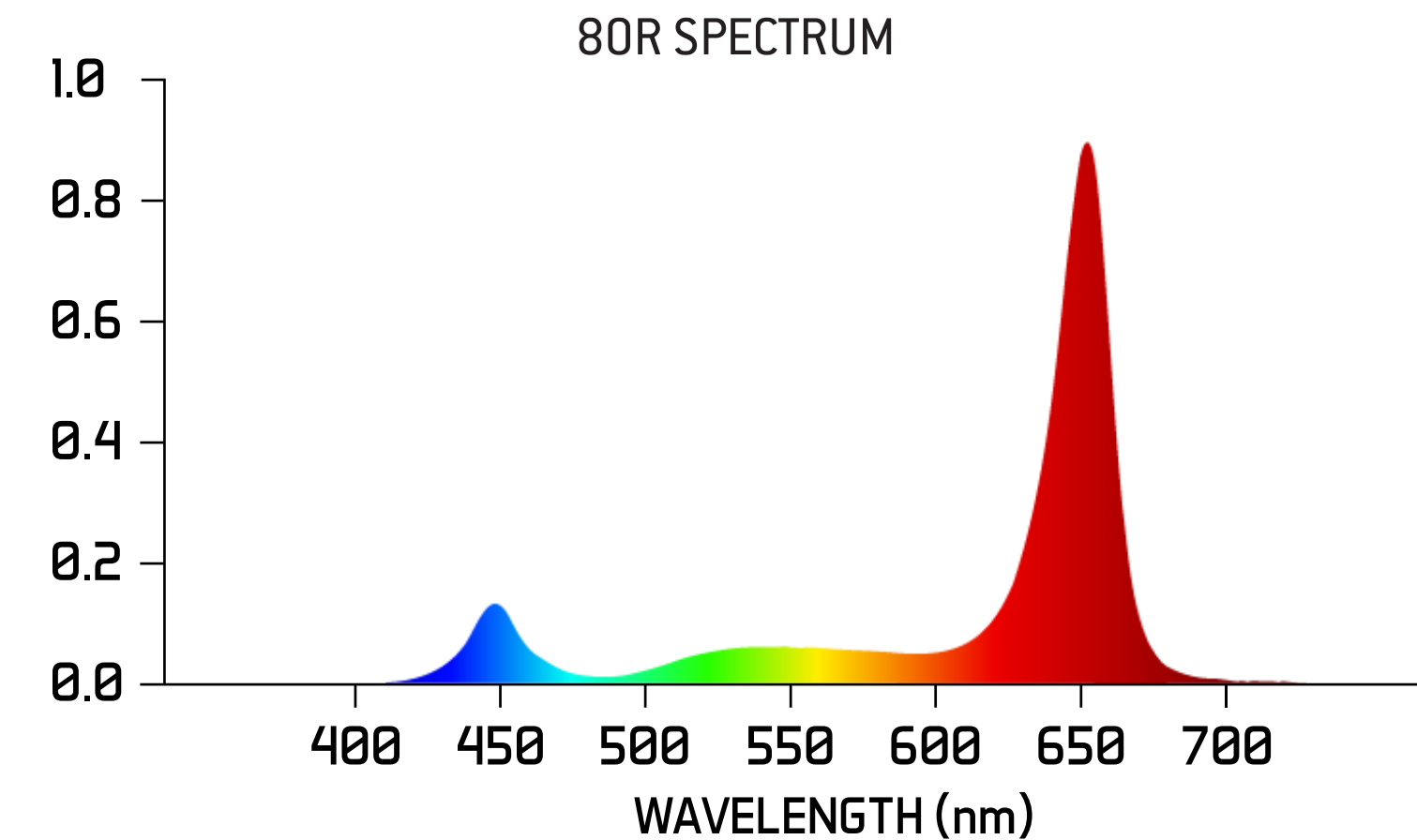


Images depict results from third party growing partners. Individual results will vary.

WHAT DOES THIS MEAN FOR GROWERS?

The 80R spectrum provides a full-spectrum light with a maximum red photon content. Our state-of-the-art LEDs efficiently generate this red content, which helps boost plant growth and yield and has been tested extensively for full-scale indoor plant production. It also contains a blue-green balance that helps support plant morphology and improves working environments by reducing eye fatigue and aiding in visual inspections of plants.

The 90R spectrum contains a blue-red spectral combination specifically designed for stacked-grow architectures. During vegetative phases, it encourages the rapid development of roots and foliage in ideal compact varieties while helping to reduce stretching in taller plants.

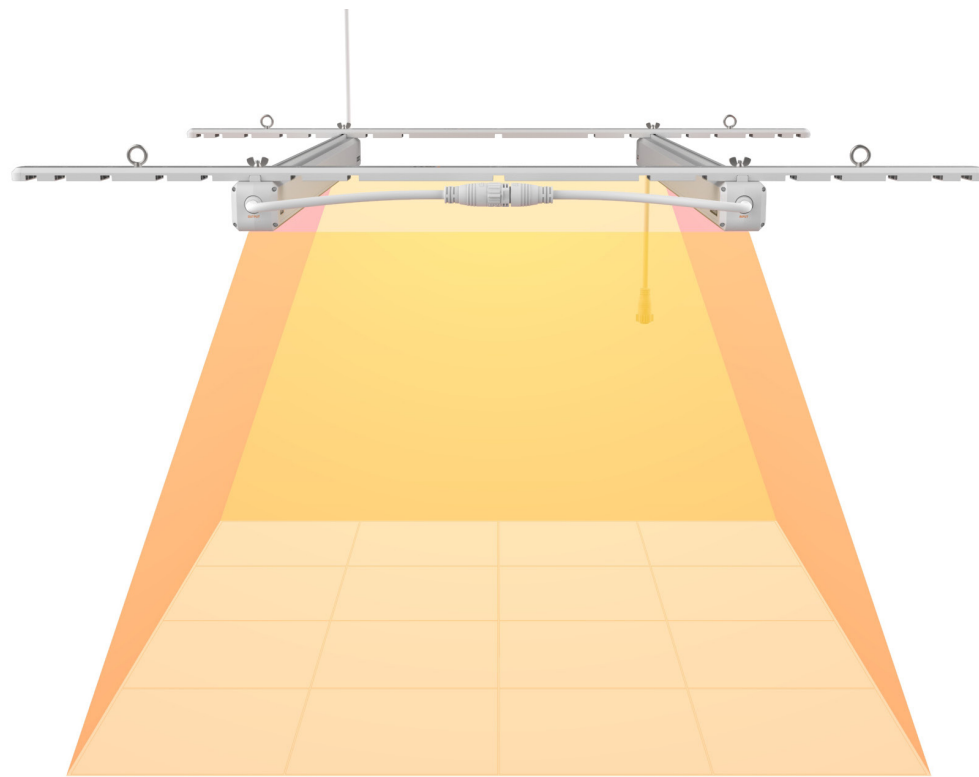


THE 80R AND 90R ARE DESIGNED SPECIFICALLY FOR USE DURING VEGETATIVE PHASES OF GROWTH. DO NOT USE DURING FLOWERING - LEAF-TIP BLEACHING MAY OCCUR. WEAR PROTECTIVE EYEWEAR WHEN WORKING UNDER THE 200W LED BAR.

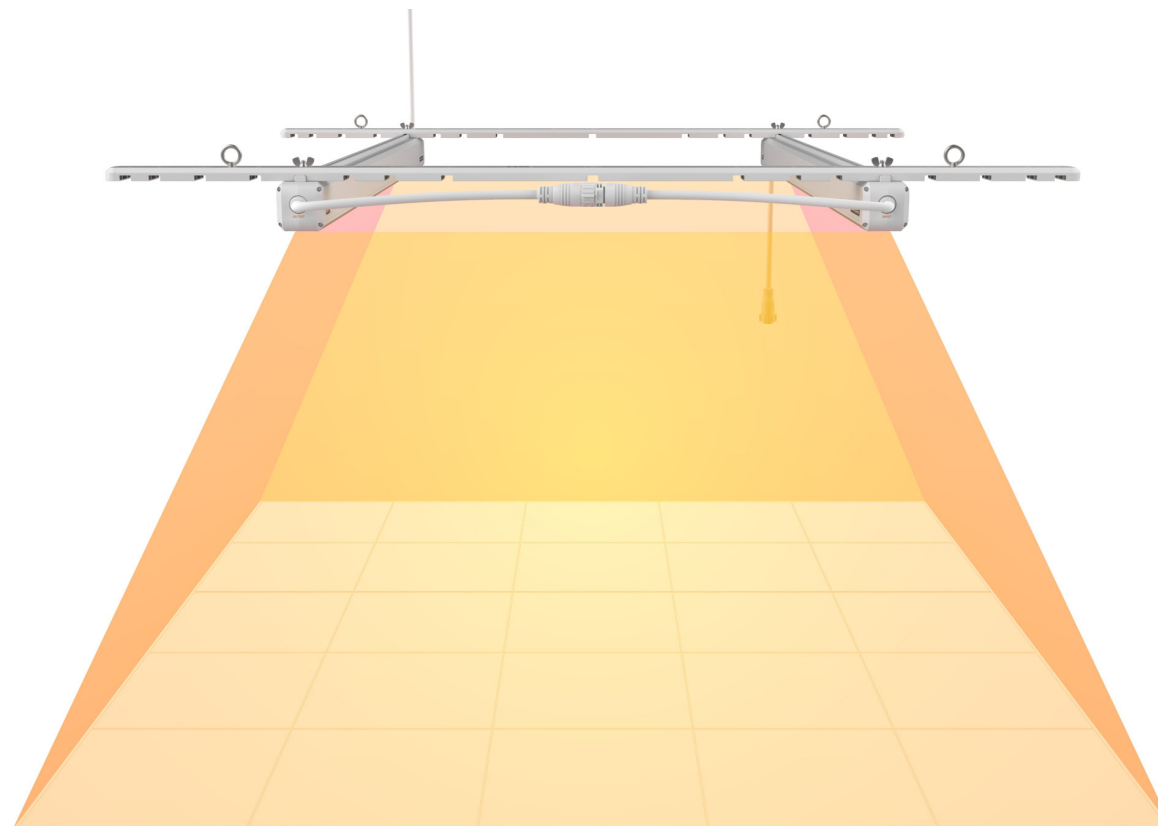
MODULAR DESIGN

The LED Bar allows growers to select the wattage and footprint for compatibility with existing grow environments - whether it's a single-stacked, multi-stacked, or greenhouse setting. A true mixed-spectrum output can be created by configuring multiple 200w LED Bar spectral options, and the modular design makes the light system easy to scale.

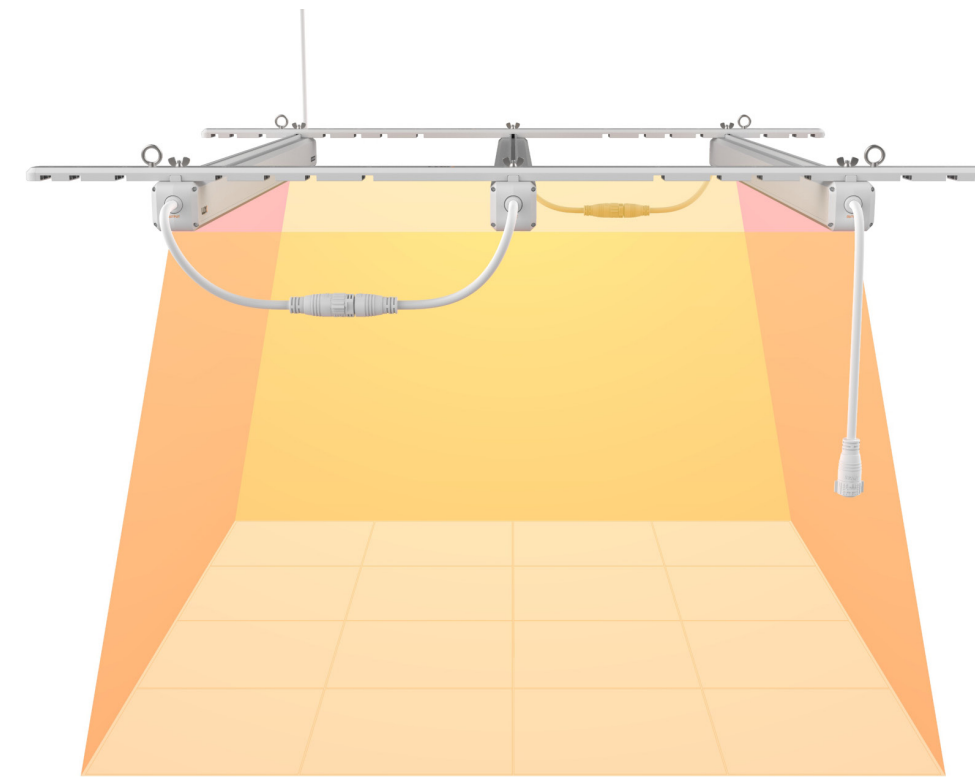
2 LED BAR | 400w
4' FOOTPRINT



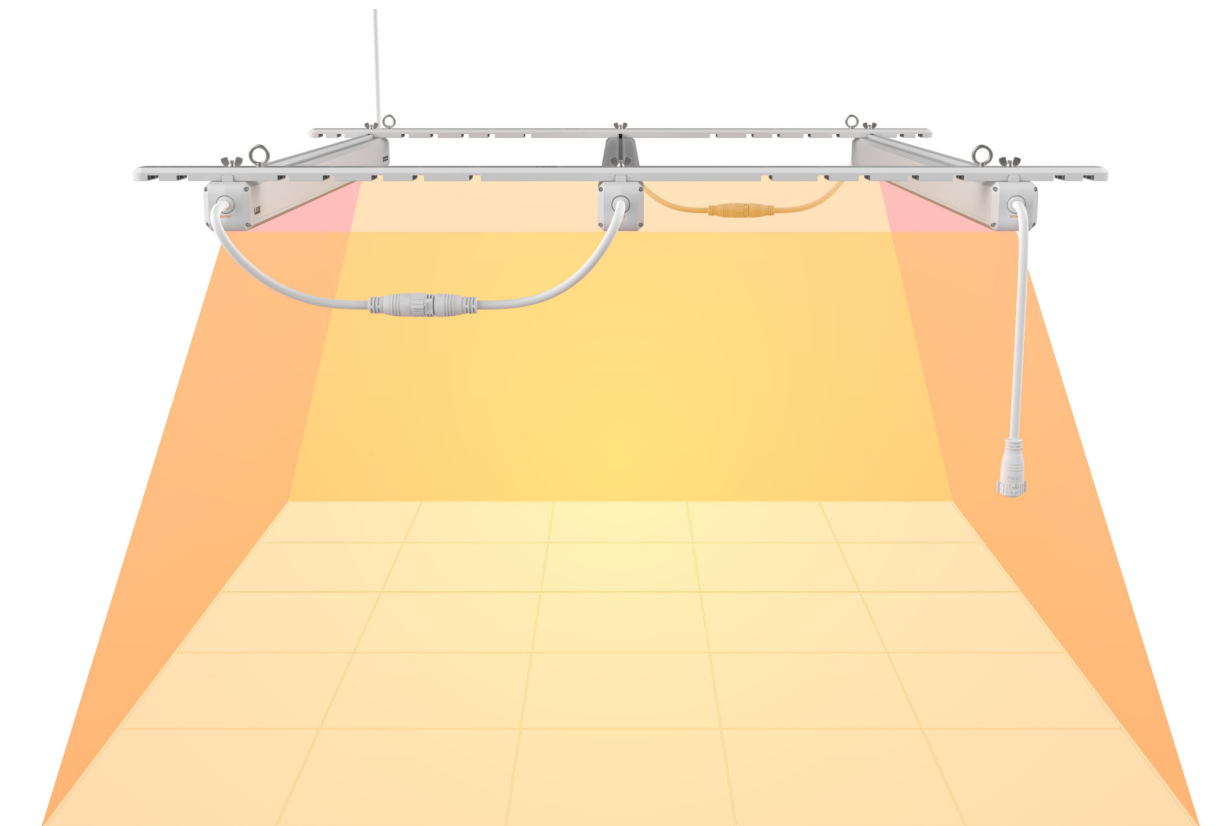
2 LED BAR | 400w
5' FOOTPRINT



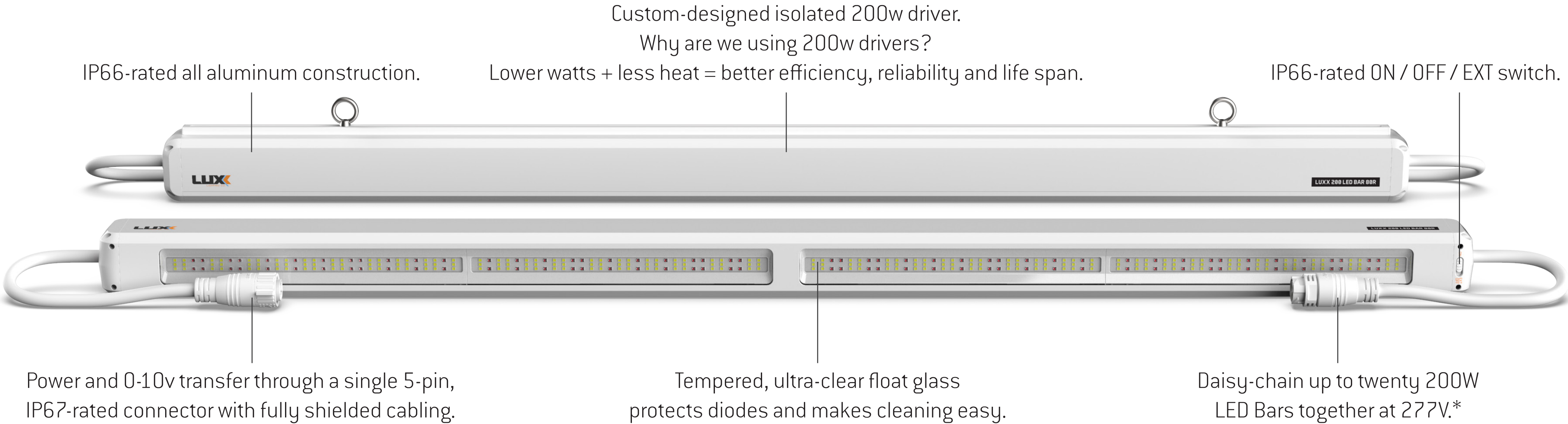
3 LED BAR | 600w
4' FOOTPRINT



3 LED BAR | 600w
5' FOOTPRINT

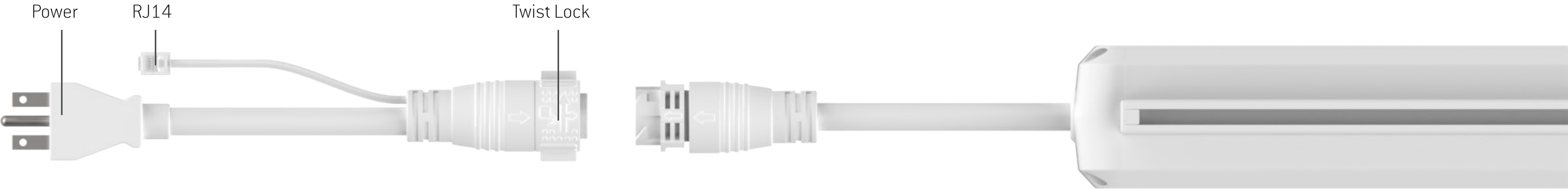


FEATURES



The 200w LED Bar power cord features an Type 6P, waterproof 5-pin M25 connector with an integrated RJ14 0-10v shielded cord to connect to our NX-1 Controller. Each power cord includes an RJ14 splitter and 10’ interconnect cord.

Daisy-chain fifteen to twenty 200w LED Bars together with one power cord depending on the voltage of your electrical system. The 200w LED Bar does not include a power cord.



*If wired to a dedicated junction box on a 20A circuit (protected by a 20A fuse or circuit breaker).

SPECIFICATIONS

Technical Specs	
Input Power	200W
Min Power Factor	>0.95
Rated Mains Voltage	200V - 277V
Voltage Range	200V - 305V
Mains Frequency	50/60Hz
THD	<10%
Thermal Management	Passive
Dimming	40% to 100% - EXT/OFF If using our NX-1, only dimmable down to 50%.
Power Cord	Selection Required: 10' 240v or 10' 277v power cord options available.

Size & Weight		
Length	1240mm	49"
Width	60mm	2.36"
Height	72mm	2.83"
Weight	3.26kg	7.20 lbs

Input Voltage	Input Current
208V	0.96A
220V	0.90A
240V	0.83A
277V	0.65A

DAISY CHAINING THE 200W LED BAR

The chart below shows the maximum number of 200w LED Bars that can be daisy chained together based on the voltage of your electrical system.

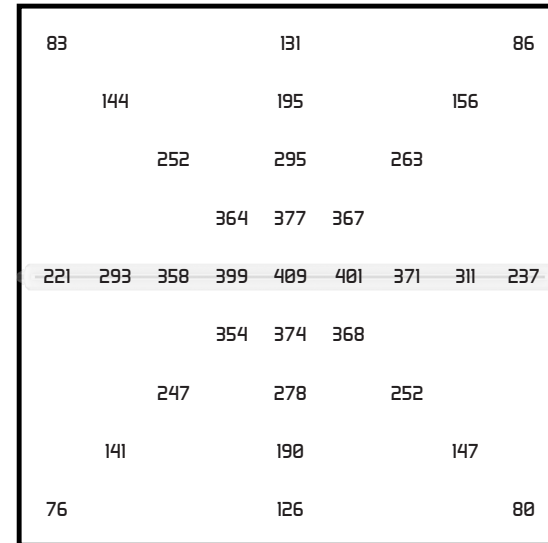
Voltage	Daisy Chain Quantity*
208V	15 on 1 Power Cord
220V	16 on 1 Power Cord
240V	17 on 1 Power Cord
277V	20 on 1 Power Cord

*If wired to a dedicated junction box on a 20A circuit (protected by a 20A fuse or circuit breaker).

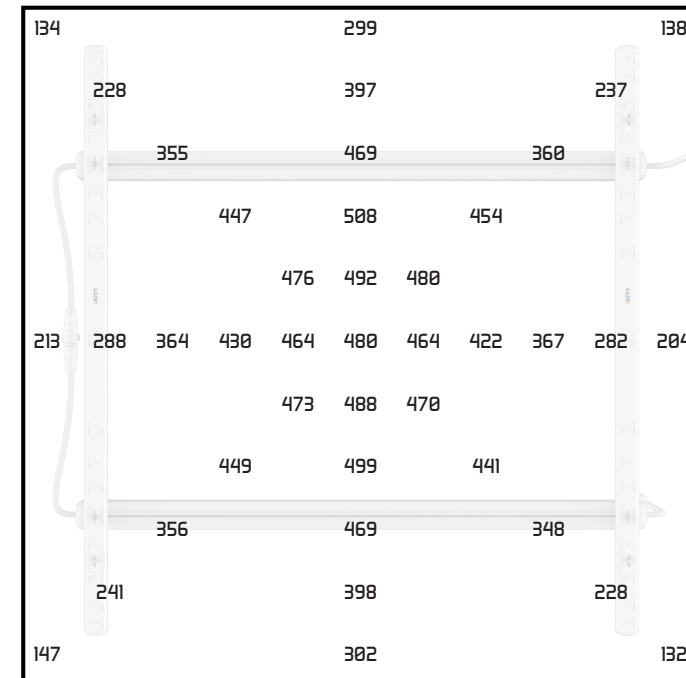
PPFD FOOTPRINTS



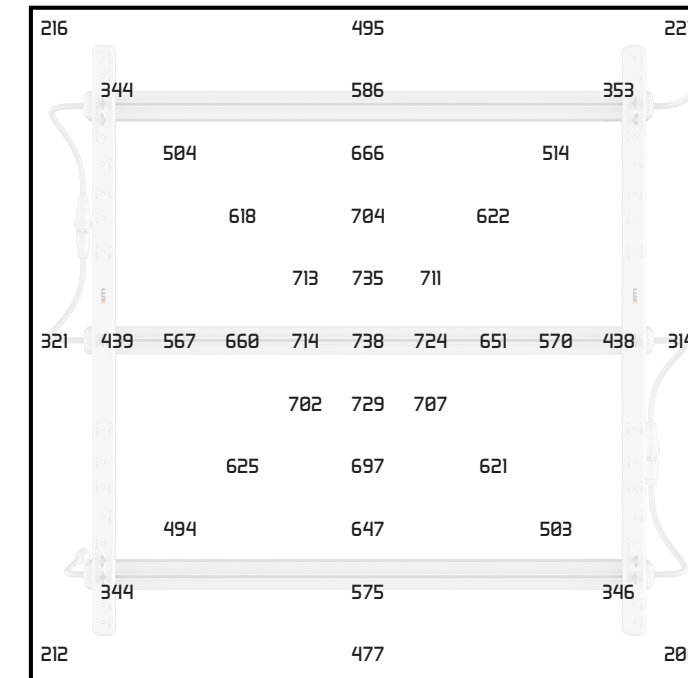
1 BAR | 200W | AVG PPFD: 252
4' FOOTPRINT | TESTED AT 24"



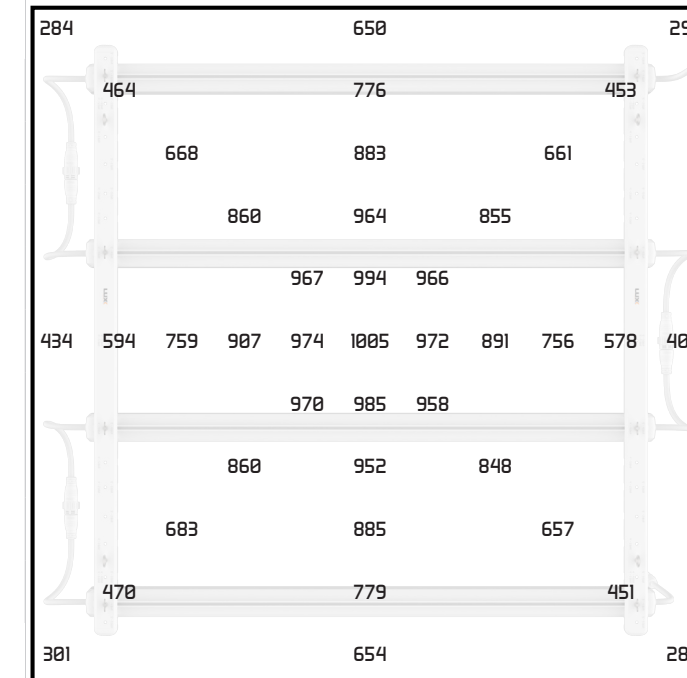
2 BAR | 400W | AVG PPFD: 363
5' FOOTPRINT | TESTED AT 24"



3 BAR | 600W | AVG PPFD: 537
5' FOOTPRINT | TESTED AT 24"

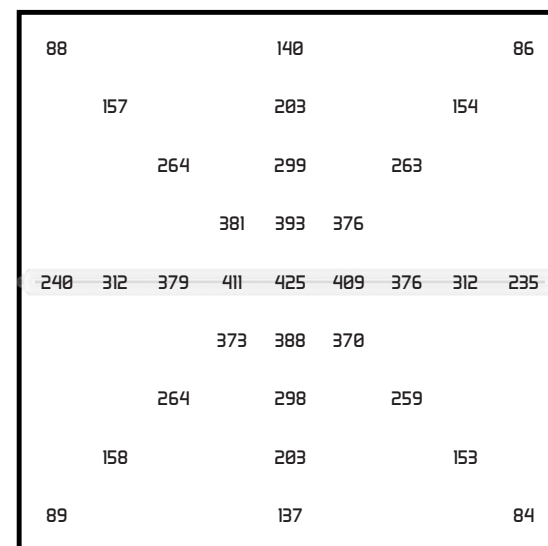


4 BAR | 800W | AVG PPFD: 725
5' FOOTPRINT | TESTED AT 24"

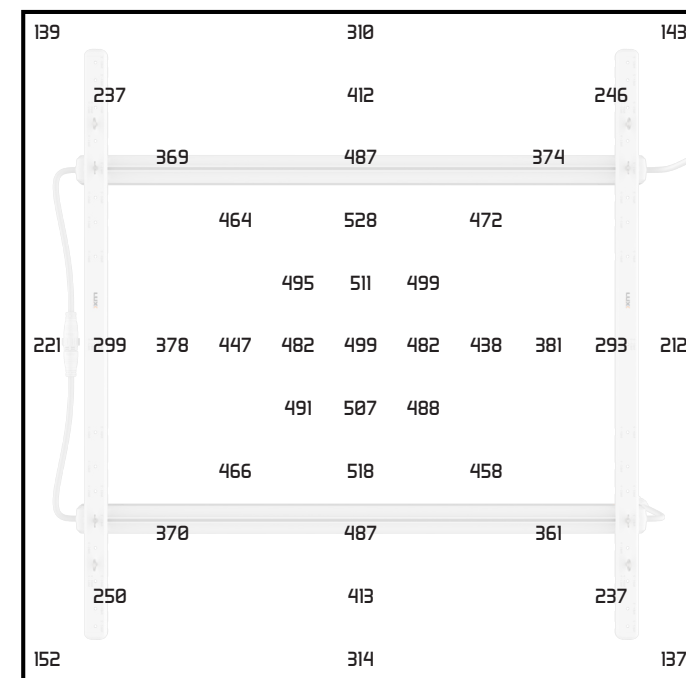


80R Spectrum

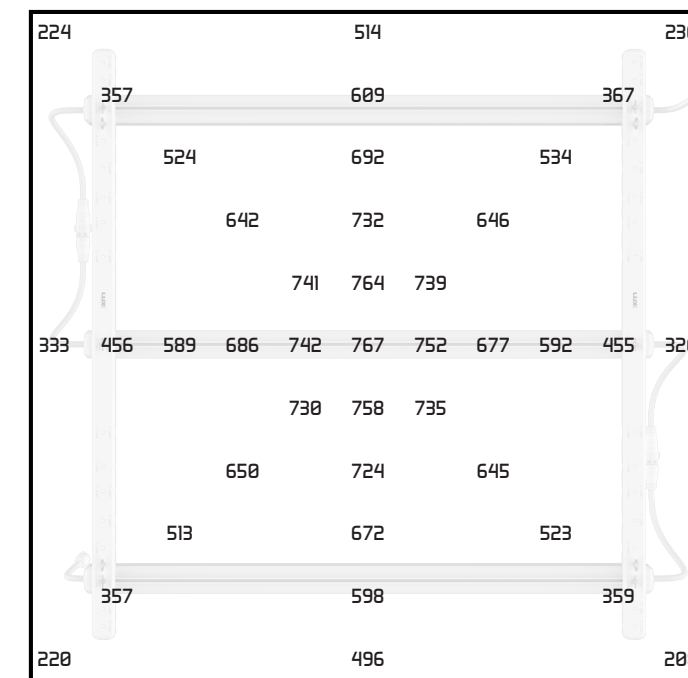
1 BAR | 200W | AVG PPFD: 263
4' FOOTPRINT | TESTED AT 24"



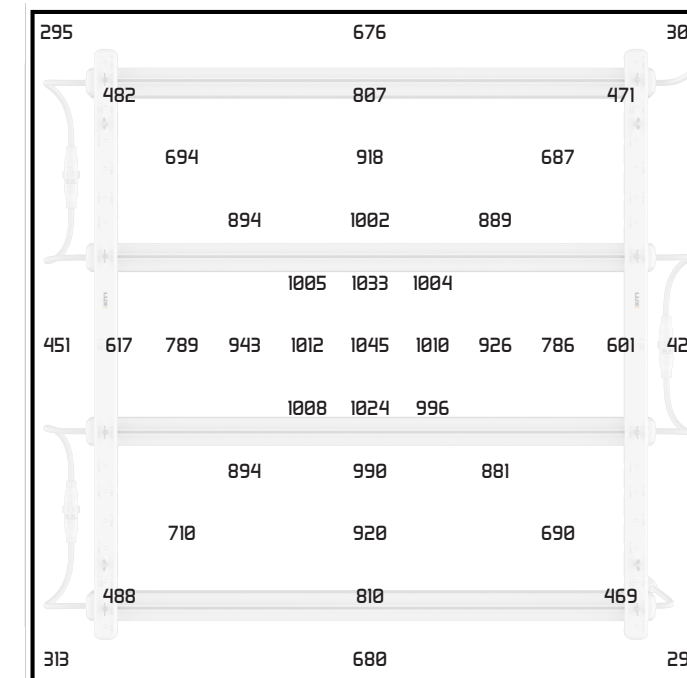
2 BAR | 400W | AVG PPFD: 377
5' FOOTPRINT | TESTED AT 24"



3 BAR | 600W | AVG PPFD: 558
5' FOOTPRINT | TESTED AT 24"



4 BAR | 800W | AVG PPFD: 754
5' FOOTPRINT | TESTED AT 24"



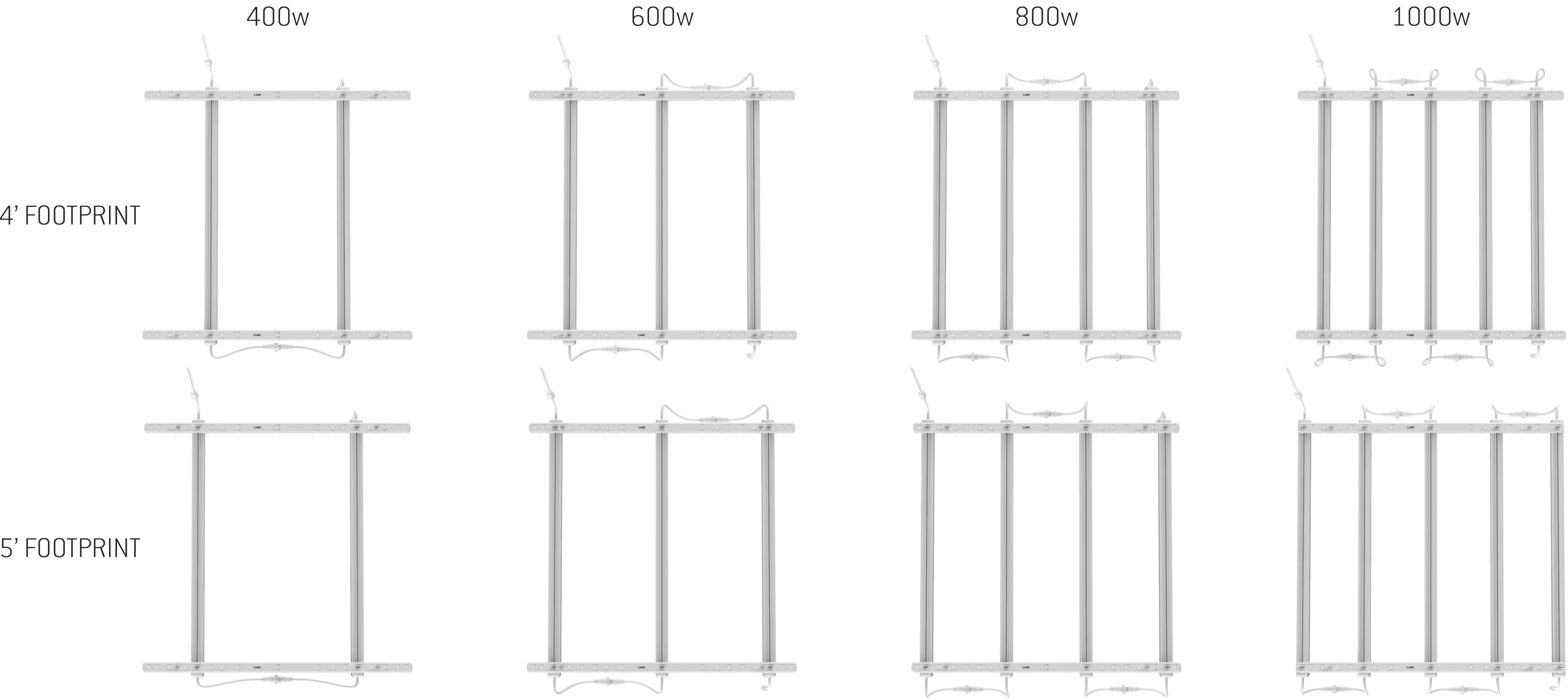
90R Spectrum

200W LED BAR BRACKET



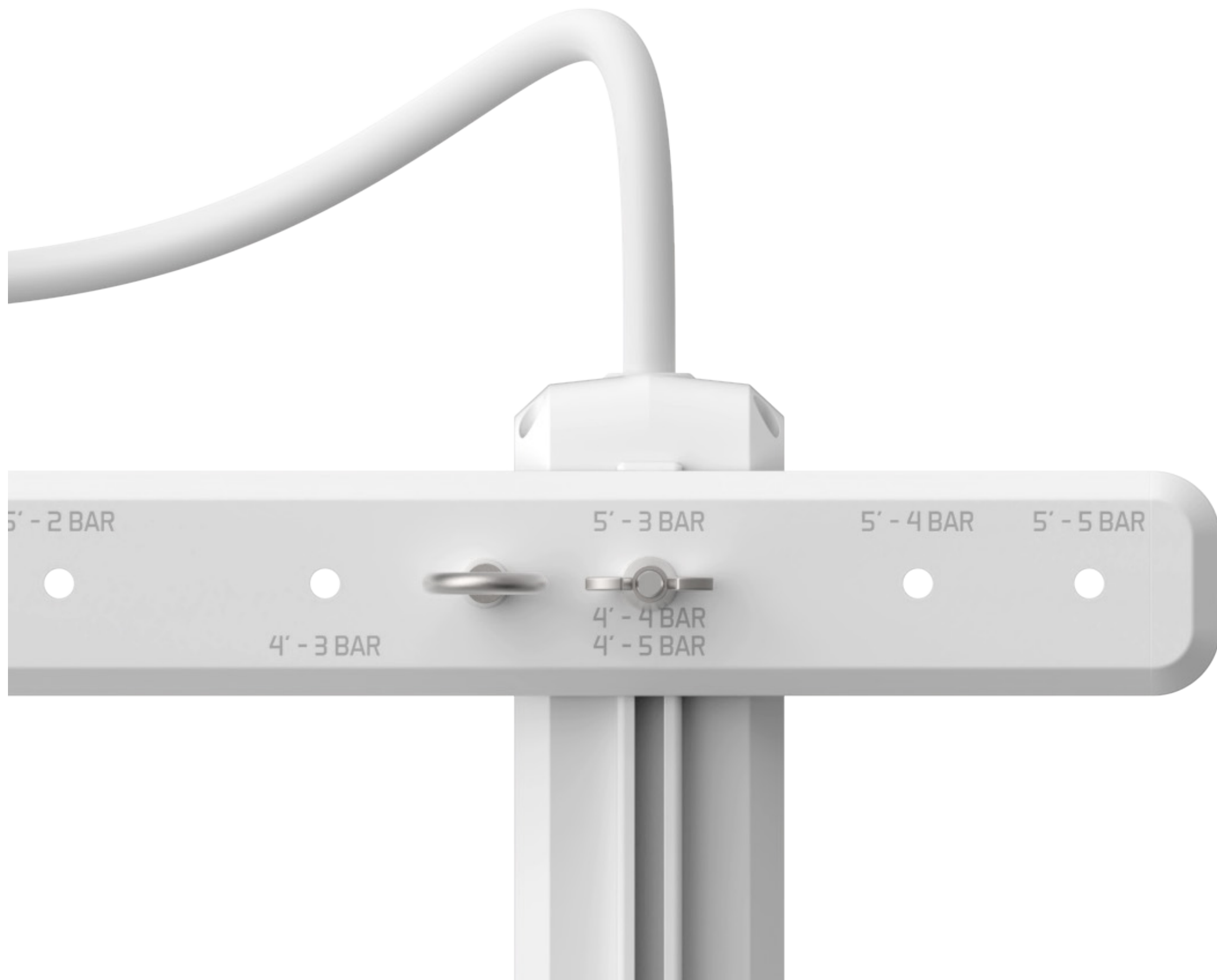
The Luxx 200w LED Bar Bracket (SKU: HGC906320) is strongly recommended for fully-modular fixtures. It can be used to build a complete LED fixture ranging from 400w to 1000w by using multiple 200w LED Bars. Sold in pairs.

WATTAGE



200W LED BAR BRACKET

The 200w Bar Bracket features mounting hole options for both 4' and 5' 200w LED Bar footprints. Easily mounts to strut channels using a cleat system that provides a perpendicular fit to the channels and clearance of any splice plates and hardware. Hardware to mount the 200w Bar Bracket into strut channels is included.



HOW TO ASSEMBLE

There are four ways to mount the 200w LED Bar system:

WIRE HANGERS TO STRUT



DIRECT MOUNTING TO STRUT



ROPE RATCHETS



BAR BRACKET



HOW TO DETERMINE THE NUMBER OF 200W BAR BRACKETS NEEDED

1. Select how many 200w LED Bars you want to cover a 4x4 sq. ft. or 5x5 sq. ft. space.

400w = Two 200w LED Bars | 600w = Three 200w LED Bars | 800w = Four 200w LED Bars | 1000w = Five 200w LED Bars

2. To calculate how many Bar Brackets you need, take your total number of 200w LED Bars and divide it by the configuration you’re using in a 4x4 sq. ft. or 5x5 sq. ft. space.

400w (Two 200w Bars): Divide your total number of 200w LED Bars by 2

600w (Three 200w Bars): Divide your total number of 200w LED Bars by 3

800w (Four 200w Bars): Divide your total number of 200w LED Bars by 4

1000w (Five 200w Bars): Divide your total number of 200w LED Bars by 5

Example: Sixty 200w LED Bars configured at 600w: $60/3 =$ Twenty Bar Brackets

HOW TO DETERMINE THE NUMBER OF POWER CORDS NEEDED

Take the total number of 200w LED Bars and divide it by the amount that can be daisy chained with one power cord depending on the voltage of your facility (round up your total).

VOLTAGE	DAISY CHAIN QUANTITY*
208V	15 on 1 Power Cord
220V	16 on 1 Power Cord
240V	17 on 1 Power Cord
277V	20 on 1 Power Cord

Example: Sixty 200w LED Bars at 240V: $60/17 =$ 4x power cords

*If wired to a dedicated junction box on a 20A circuit (protected by a 20A fuse or circuit breaker).

POWER CORD QUANTITY

208V										
# OF 200W LED BARS	1-15	16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150
POWER CORDS @ 208V	1	2	3	4	5	6	7	8	9	10

220V										
# OF 200W LED BARS	1-16	17-32	33-48	49-64	65-80	81-96	97-112	113-128	129-144	145-160
POWER CORDS @ 220V	1	2	3	4	5	6	7	8	9	10

240V										
# OF 200W LED BARS	1-17	18-34	35-51	52-68	69-85	86-102	103-119	120-136	137-153	154-170
POWER CORDS @ 240V	1	2	3	4	5	6	7	8	9	10

277V										
# OF 200W LED BARS	1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200
POWER CORDS @ 277V	1	2	3	4	5	6	7	8	9	10

HAWTHORNE GROW SOLUTIONS

Hawthorne Gardening Company is built to serve growers of all sizes, from commercial cultivators to home hobbyists. We are a company guided by a set of principles that motivate us every day.

We are made up of dozens of best-in-class brands, from Gavita, General Hydroponics and Luxx, to Botanicare and Mother Earth, that span every growing category from lighting to nutrients, growing environment, growing media, hardware, and many more.

We are pioneers in the business of growing. Through our signature brands, we’ve blazed trails since 1976, and we continue to bring industry-leading, trusted brands known for enabling growers to exceed their ambitions through our commitment to quality and consistency.

And we use our voice to advance legislation that supports the responsible legalization of marijuana. Because our goal is to enable all growers to seize today’s unprecedented opportunities and build the industry of tomorrow.

TOOLS & SUPPORT

Our team of experts is experienced in horticulture, lighting, environmental controls and more, and offers services at every step – from planning and implementation to tracking and troubleshooting. We are dedicated to helping you succeed!

CONTACT US FOR A FREE LIGHTING LAYOUT: (Tel) 888.478.6544 (Fax) 360.693.1682

HAWTHORNE CONTROLLED ENVIRONMENT SERVICES

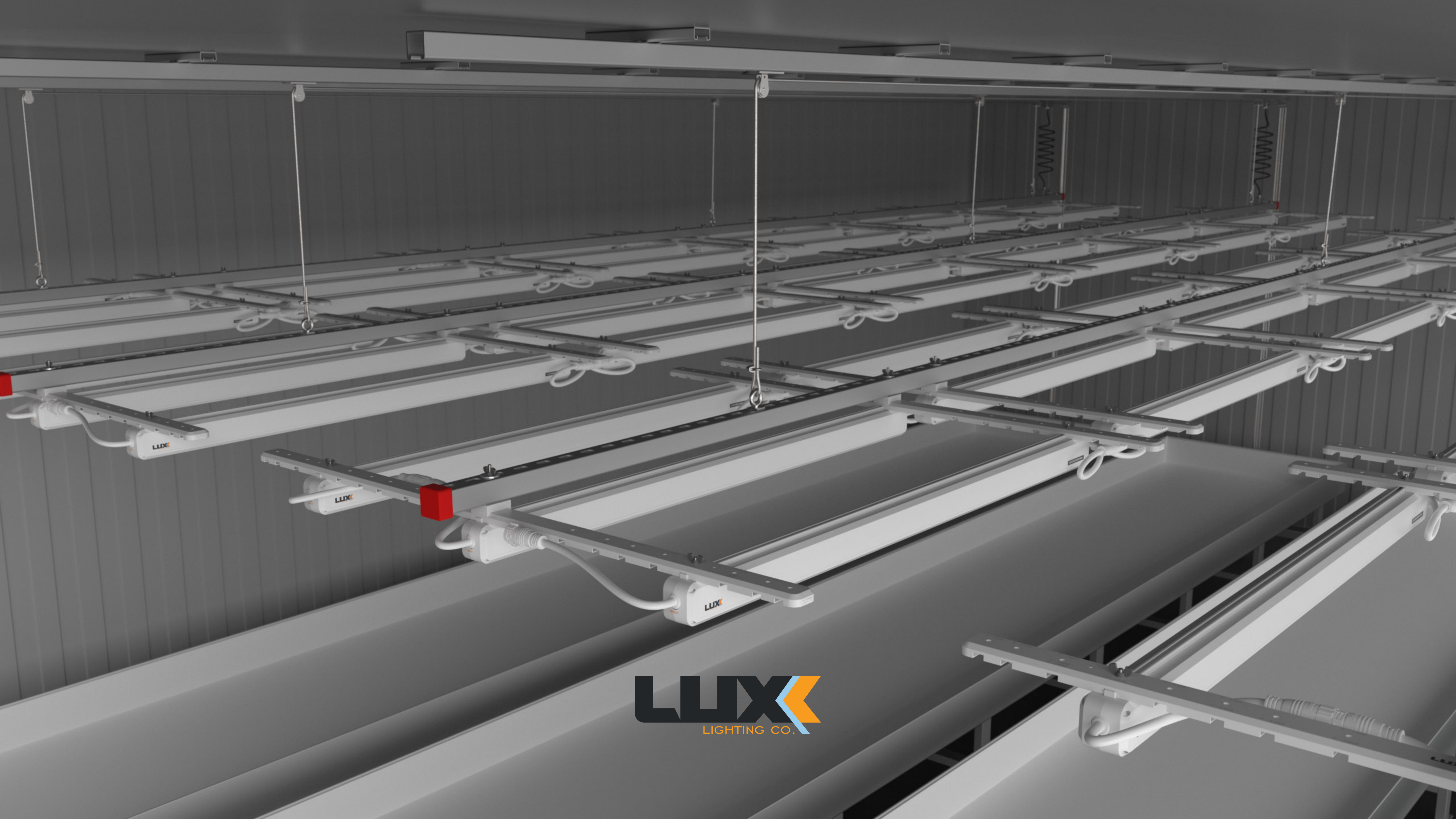
- HVAC / Dehumidification
- Airflow Management
- Design Services: Lighting, Benching, Irrigation.

HAWTHORNE HORTICULTURE SERVICES

- Plant Nutrition Services
- Growing Media Services
- Analytical Services



Manufactured for Hawthorne Hydroponics LLC, a subsidiary of The Hawthorne Gardening Company.
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LUX
LIGHTING CO.