



NEO

NEOCISION
SPECTRA

by



Neocision Spectra PRO

Lowest MSRP for Fixture with PPF over 1750



UTILITY REBATES
AVAILABLE



DLC LISTED



ETL CERTIFIED



INDUSTRY LEADING
7-YEAR WARRANTY



Full Spectrum Design

Red Spectrum of Light (600nm - 700nm)

- Most important type of light for plants
- Plants are best able to make energy out of red light

Blue Spectrum of Light (400nm - 500nm)

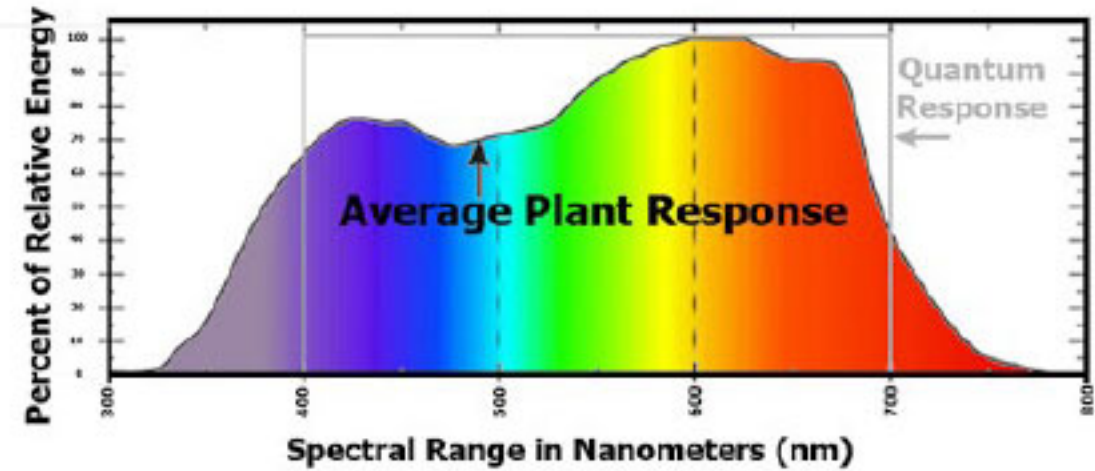
- Crucial for plant growth
- Promotes rapid growth from development of the plant
- Reduces plant stretch in flowering stage

Green Spectrum of Light (500nm - 600nm)

- Important for seeing your plant's health and wellness

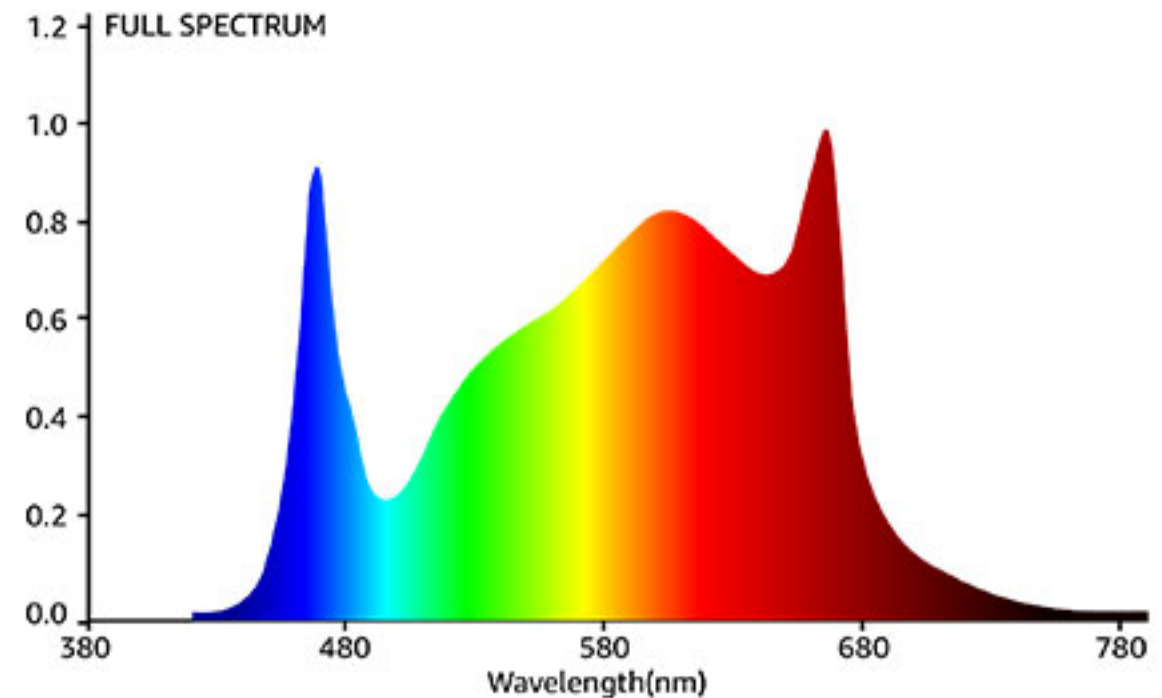


The McCree Curve



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Neocision Spectra PRO





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PERFORMANCE AND EFFICIENCY

PPF (400-700nm): 1751 $\mu\text{mol/s}$

Life Span: 50,000 hours

Power Consumption: 680W AC

Light Distribution: 120 degrees

Input Voltage: 100-277 VAC

Fixture with Driver (net weight): 23.9 lbs



PPE
2.58
 $\mu\text{mol/J}$

High Quality Components

- Leading LED chip manufacturers
- Extruded aluminum heat sinks
- Long-lasting nylon hinges for folding fixture



DRIVER
**8-year
warranty**



FIXTURE
**7-year
warranty**

Custom Power Cables For Daisy Chaining

3-, 4-, and 5- fixture cable harnesses

Direct Wired or
Plug-in Receptacle



Junction Box
(Sold Separately)

AC Power Cord



**Faster
Installation**



**Design
Flexibility**



**Reduced
Installation Costs**

***AC cable harnesses are custom order only, minimum order quantities apply.**

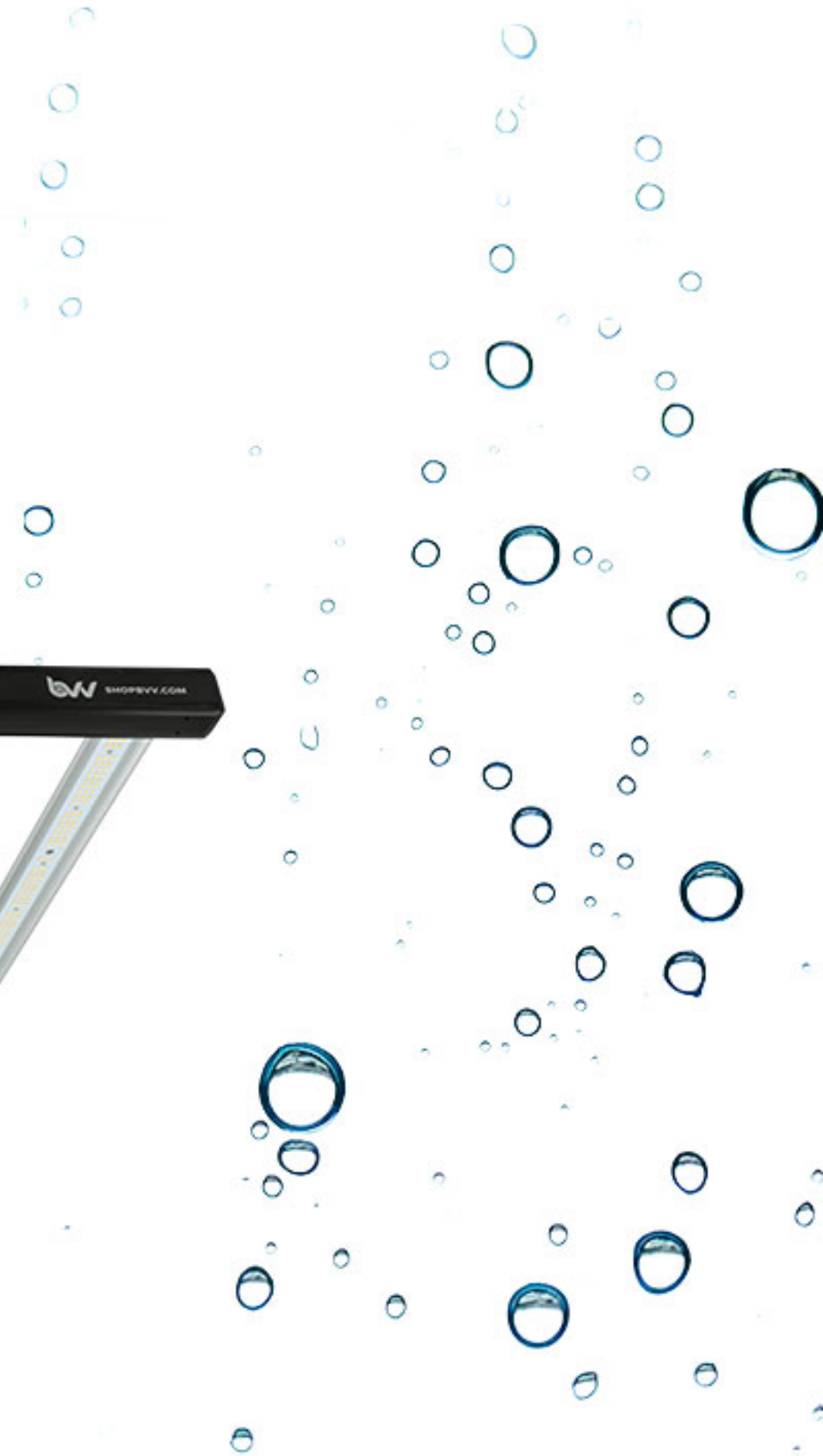


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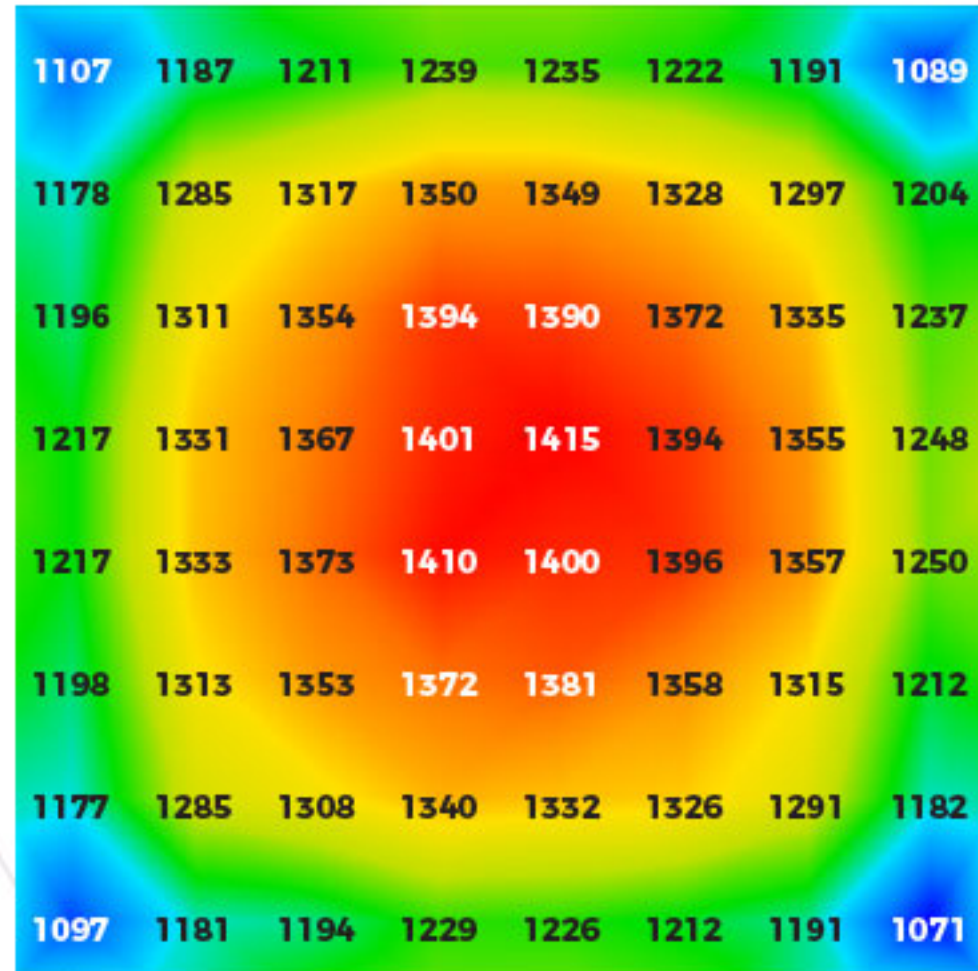
IP66 RATED

Compared to IP65, the IP66 enclosure can handle a higher level of pressurized water

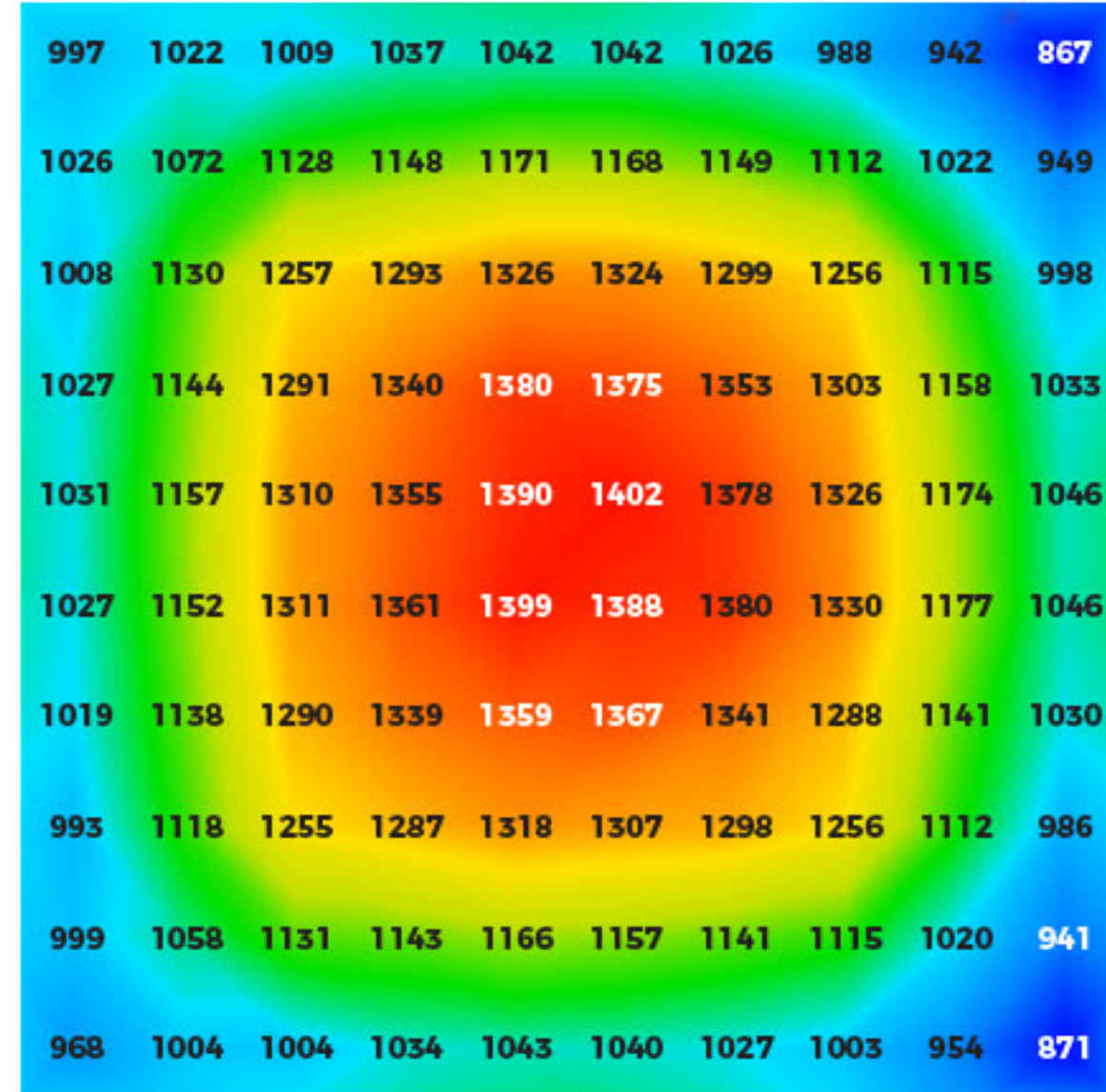


PPFD Map

Tested in 4ft x 4ft and 5ft x 5ft Grow Tents
12" from Canopy



4ft x 4ft*
Avg. 1281
Min. 1071
Max. 1415
Unif. 0.8



5ft x 5ft*
Avg. 1155
Min. 867
Max. 1402
Unif. 0.8

*Reflection 98% for Ceiling, Wall, and Floor.

Dimming Knob and Controls

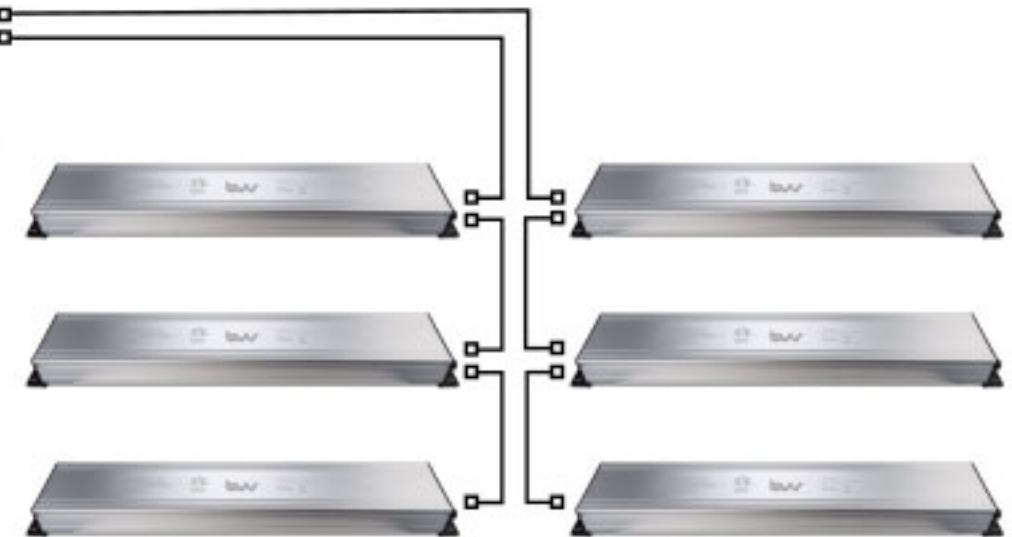
- Manually adjustable light intensity (from 100% to 10%, then to OFF)
- Energy saving
- Meet different plant stage needs
- Daisy chain fixtures to 0-10v external controller (sold separately)
- Number of daisy chained fixtures determined by controller signal power (dimming current 0.1 mA for fixture)



External Controller

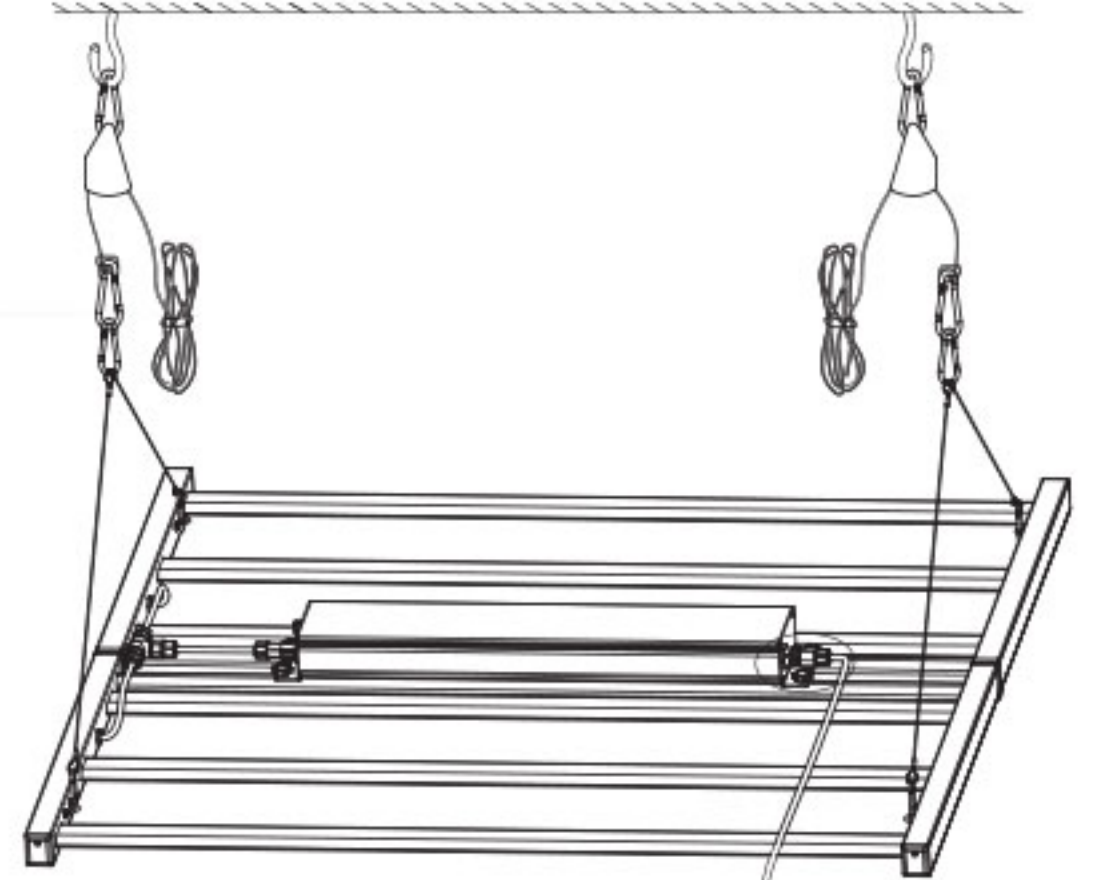
Dimming Knob

RJ Ports



Easy Installation and Maintenance

- Folding design for fast installation (no specific tools required)
- Detachable driver for easy installation and maintenance
- LED fixtures mountable to supporting structure using adjustable rope ratchet hanger kits



PACKAGE INCLUDES

- Folding 6-Bar LED Luminaire
- DC power cable with male connector
- LED Driver
- AC power cord with 120 V Plug
- Knob Screws (4x)
- Carabiner Hooks (6x)
- Stainless Steel Ropes - 450 mm length (4x)
- Rope Ratchet Hanger Kits (2x)
- RJ Data Cable - 3 meters (1x)
- User Manual



Performance and Price Comparative Analysis

Fixture	Tested Input Wattage (1)	Tested PPE (1)	Tested PPF (1)	MSRP \$	Warranty	MSRPs/W (2)	MSRPs/PPF (3)
Neocision Pro	689	2.58	1773	\$899	7 Years	\$1.30	\$0.51
Growers Choice ROI E680	675	2.42	1635	\$999	3 Years	\$1.48	\$0.61
GrowGeneration ION	733	2.50	1835	\$999	5 Years	\$1.36	\$0.54
Photobio MX	673	2.63	1769	\$999	5 Years	\$1.48	\$0.56
Nextlight Mega Pro	648	2.52	1632	\$1,095	5 Years	\$1.69	\$0.67
Growers Choice ROI E720	761	2.51	1910	\$1,099	5 Years	\$1.44	\$0.58
Luxx 645W LED PRO	648	2.67	1727	\$1,099	5 Years	\$1.70	\$0.64
Fluence SPYDR 2p	657	2.47	1620	\$1,350	5 Years	\$2.05	\$0.83
Gavita Pro 1700e	673	2.59	1745	\$1,399	5 Years	\$2.08	\$0.80
Fluence SPYDR 2i	640	2.56	1639	\$1,499	5 Years	\$2.34	\$0.91

(1) Sourced from DLC® Qualified Product Listing as of August 31, 2021

(2) Value indicator showing how much energy input per dollar invested

(3) Value indicator showing how much light output per dollar invested

Performance and Price Ranking

	PPE (1)	Wattage (1)	PPF (1)	MSRP	MSRP\$/W (2)	MSRP\$/PPF (3)	Warranty	Overall Rank
Neocision Pro	4	8	3	1	1	1	1	1
Photobio MX	2	5	4	2	4	3	2	2
Grow Generation ION	8	9	2	2	2	2	2	3
Luxx 645W LED PRO	1	2	6	6	7	6	2	4
Growers Choice ROI E720	7	10	1	6	3	4	2	5
Nextlight Mega Pro	6	2	9	5	6	7	2	6
Gavita Pro 1700e	3	5	5	9	9	8	2	7
Fluence SPYDR 2i	5	1	7	10	10	10	2	8
Growers Choice ROI E680	10	7	8	2	4	5	10	9
Fluence SPYDR 2p	9	4	10	8	8	9	2	10

(1) Based on DLC® Qualified Product Listing as of August 31, 2021

(2) Value indicator showing how much energy input per dollar invested

(3) Value indicator showing how much light output per dollar invested