



NEO

NEOCISION
SPECTRA

by



Neocision Spectra EXPLORER



**UTILITY REBATES
AVAILABLE**



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)

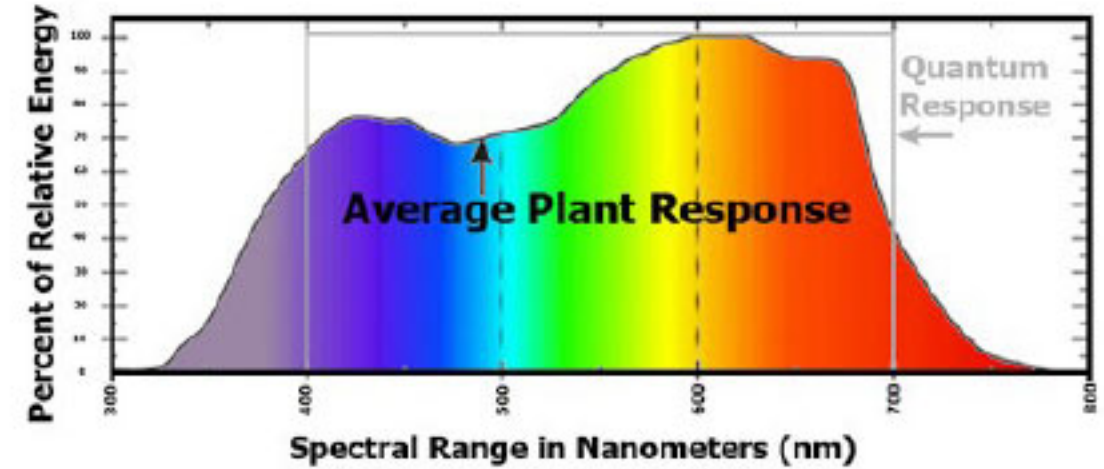
- Crucial for plant growth
- Promotes rapid growth from development of the plant
- Reduces plant stretch in flowering stage

Green Spectrum of Light (500nm - 600nm)

- Important for seeing your plant's health and wellness

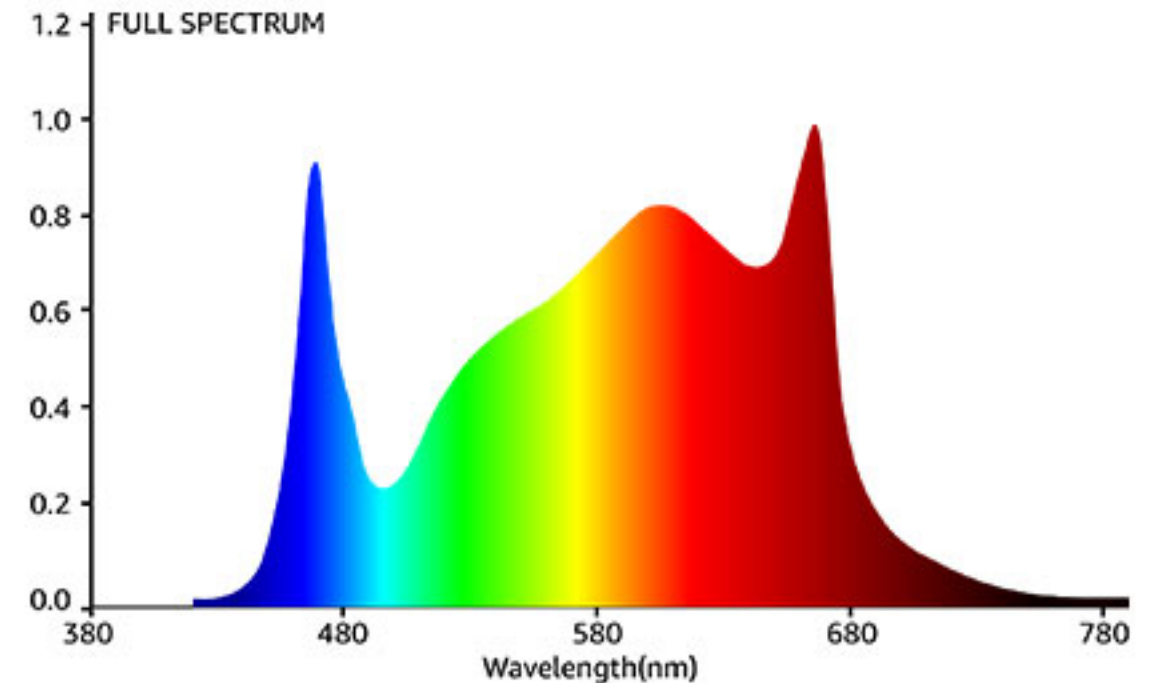


The McCree Curve



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Neocision Spectra EXPLORER



PERFORMANCE AND EFFICIENCY

PPF (400-700nm): 870 $\mu\text{mol/s}$

Life Span: 50,000 hours

Power Consumption: 340W AC

Light Distribution: 120 degrees

Input Voltage: 100-277 VAC

Fixture with Driver (net weight): 12 lbs



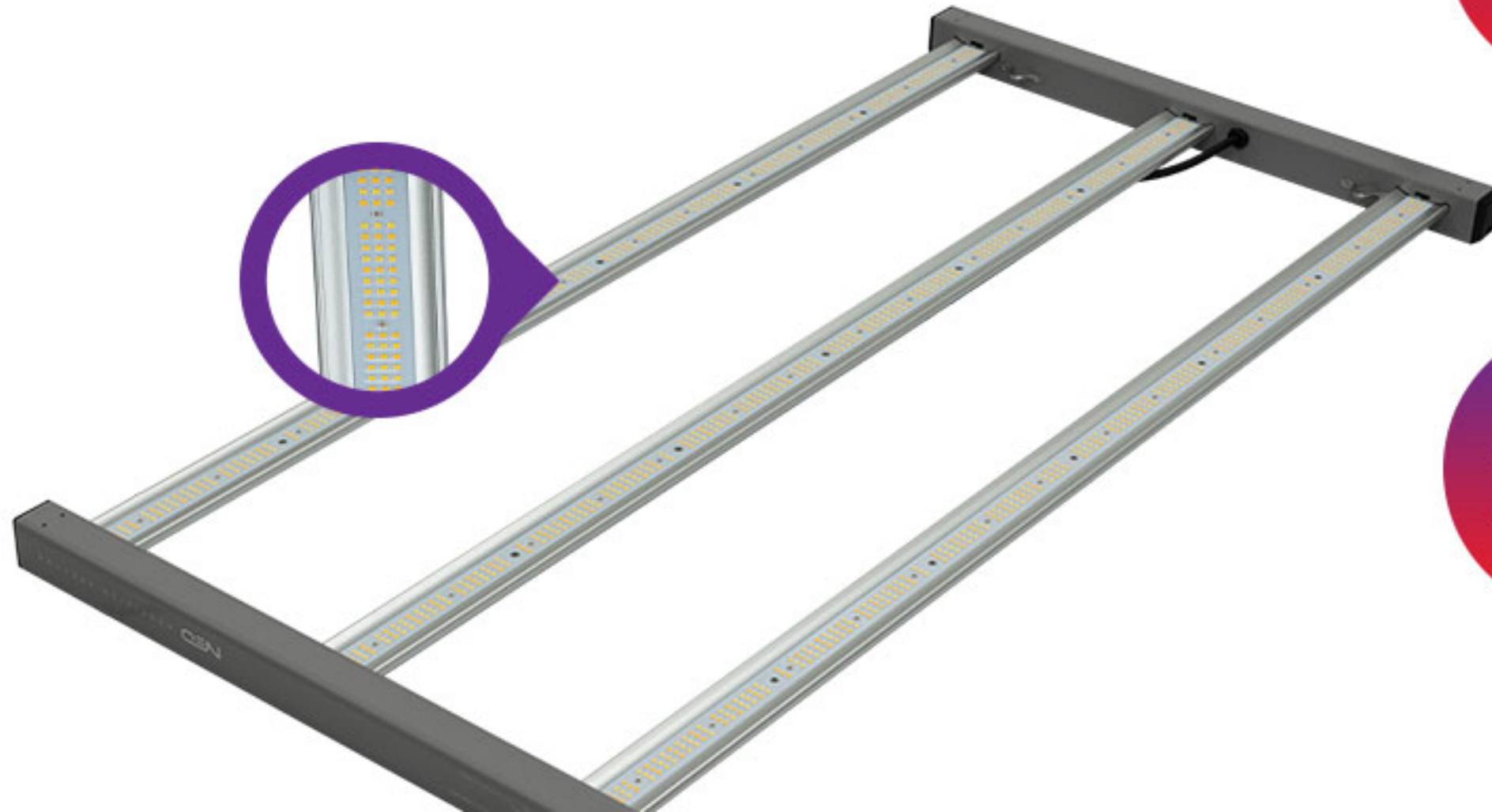
PPE
2.56
 $\mu\text{mol/J}$

High Quality Components

- Leading LED chip manufacturers
- Extruded aluminum heat sinks



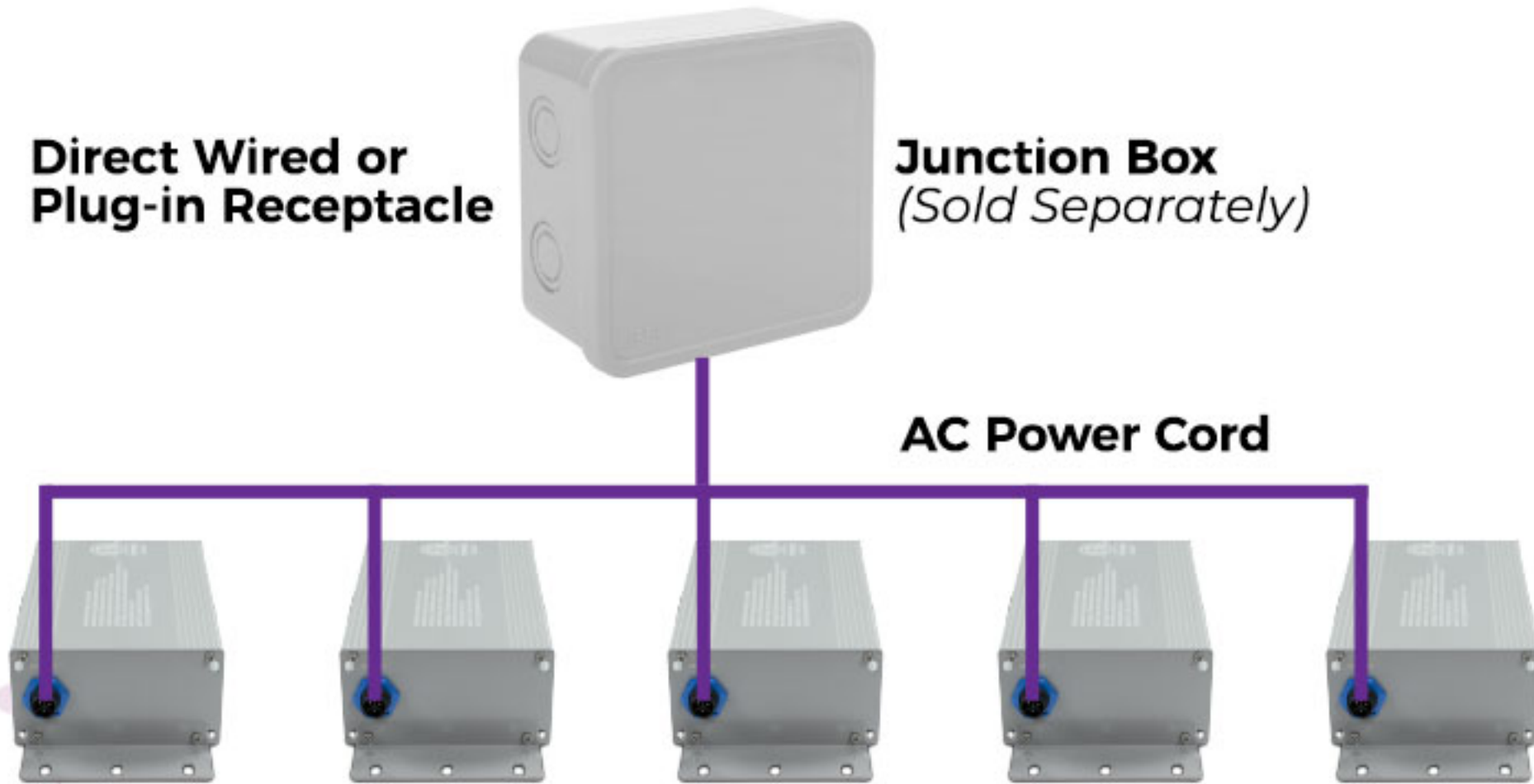
DRIVER
**8-year
warranty**



FIXTURE
**7-year
warranty**

Custom Power Cables For Daisy Chaining

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



Faster Installation



Design Flexibility

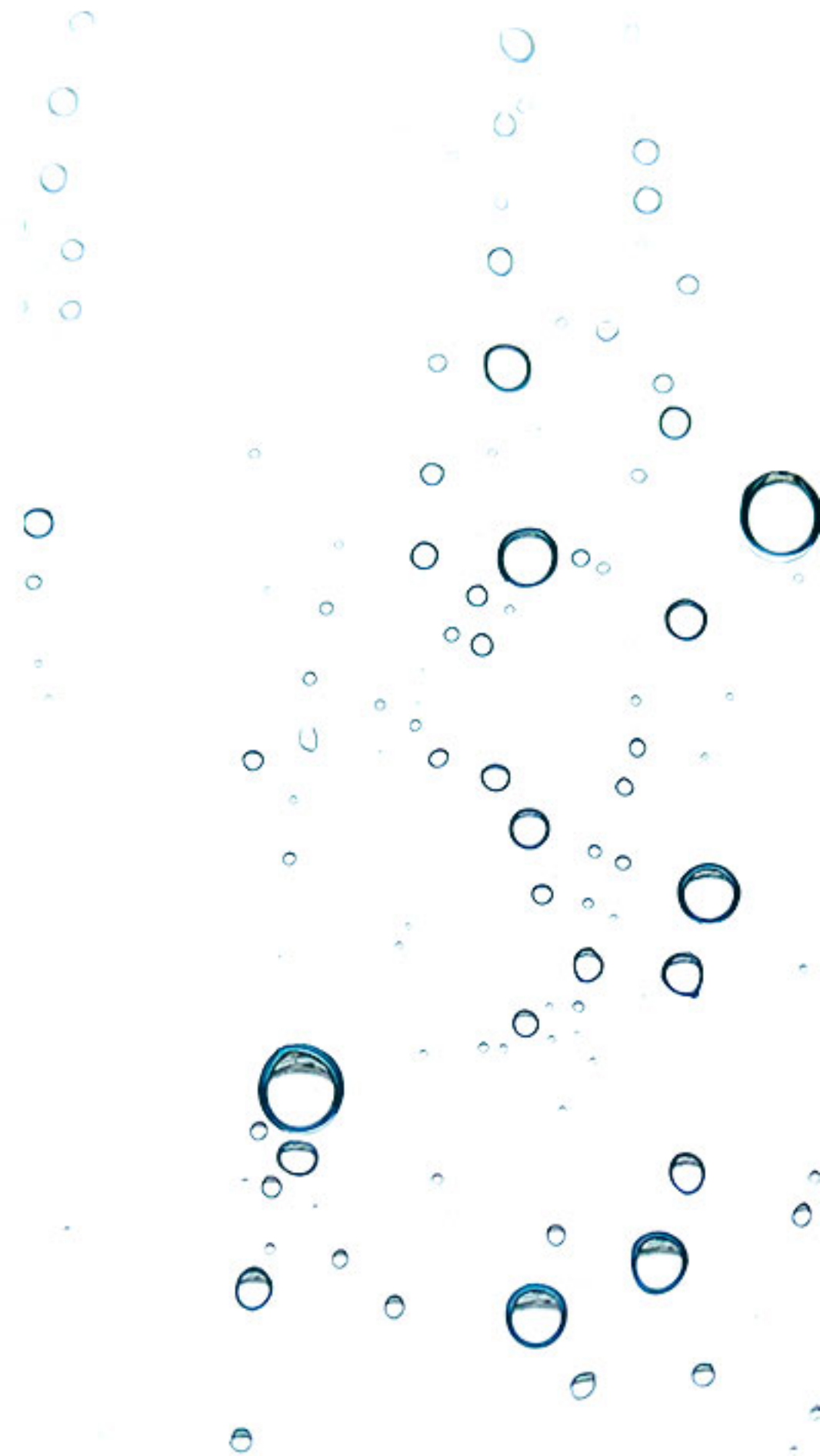


Reduced Installation Costs

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

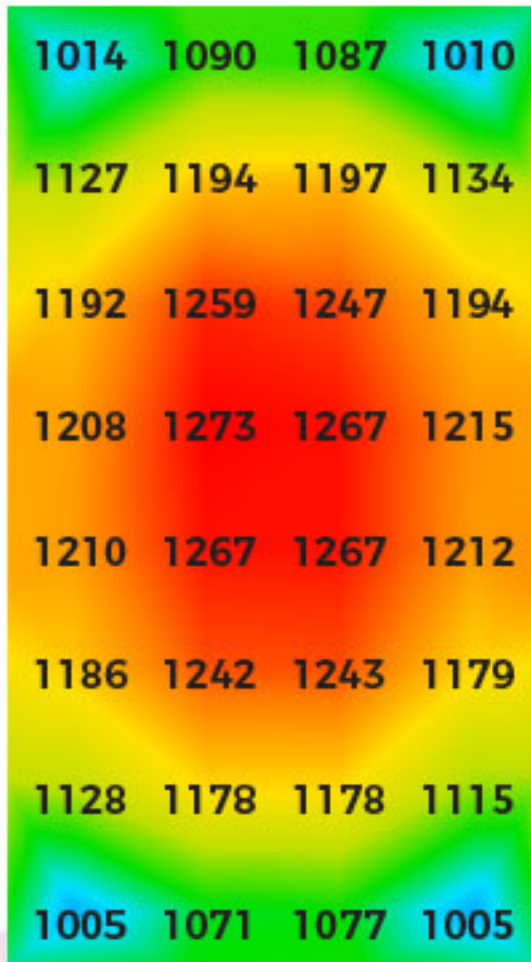
IP66 RATED

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



PPFD Map

Tested in 2ft x 4ft Grow Tents*



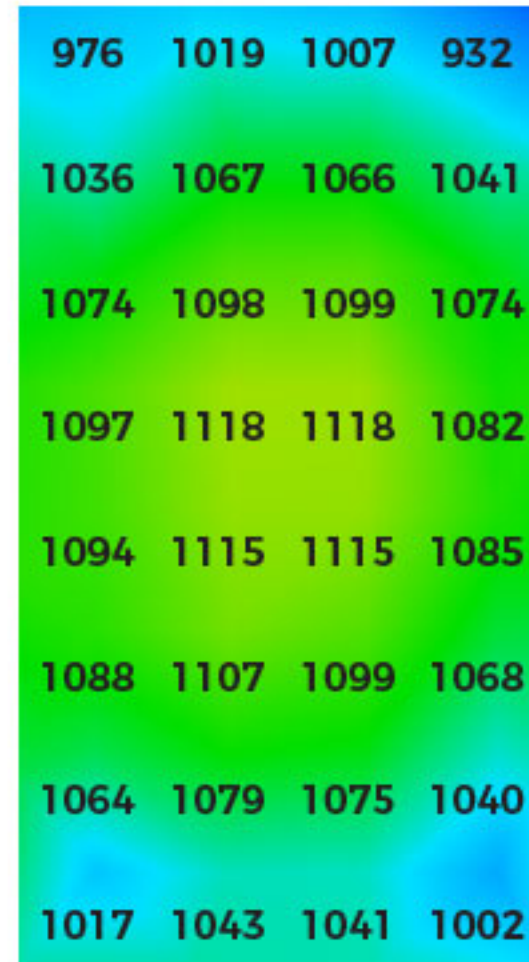
**Fixtures 12"
from Canopy**

Avg. 1165

Min. 1005

Max. 1273

Unif. 0.9



**Fixtures 24"
from Canopy**

Avg. 1064

Min. 932

Max. 1118

Unif. 0.9

*Reflection 98% Ceiling, Wall and Floor.

Dimming Knob and Controls

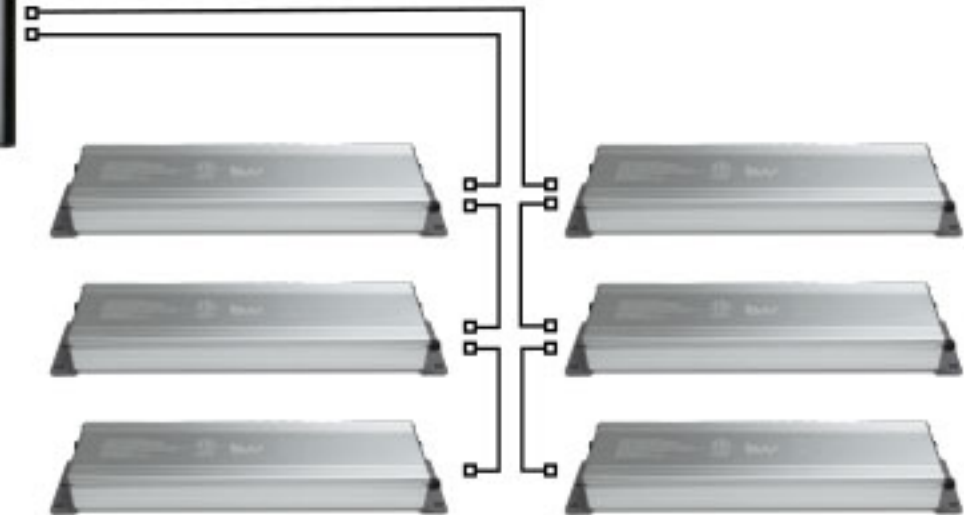
- Manually adjustable light intensity (from 100% to 10%, then to OFF)
- Energy saving
- Daisy chain fixtures to 0-10v external controller (sold separately)
- Number of daisy chained fixtures determined by controller signal power (dimming current 0.1 mA for fixture)



External Controller

Dimming Knob

RJ Ports



Easy Installation and Maintenance

- 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

- 3-Bar LED Luminaire
- DC power cable with male connector
- LED Driver
- AC power cord with 240 V Plug
- Knob Screws (2x)
- Carabiner Hooks (6x)
- Stainless Steel Ropes - 240 mm length (4x)
- Rope Ratchet Hanger Kits (2x)
- RJ Data Cable - 3 meters (1x)
- User Manual

