

# NEO

NEOCISION  
SPECTRA

by



## Neocision Spectra PRO

Lowest MSRP for Fixture with PPF over 1750



UTILITY REBATES  
AVAILABLE



DLC LISTED



Intertek

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)

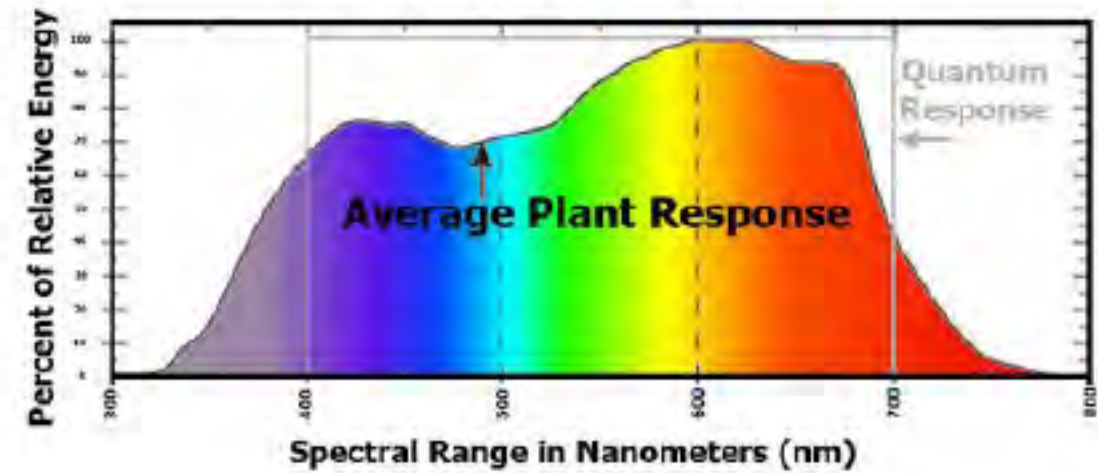
- Crucial for plant growth
- Promotes rapid growth from development of the plant
- Reduces plant stretch in flowering stage

## Green Spectrum of Light (500nm - 600nm)

- Important for seeing your plant's health and wellness

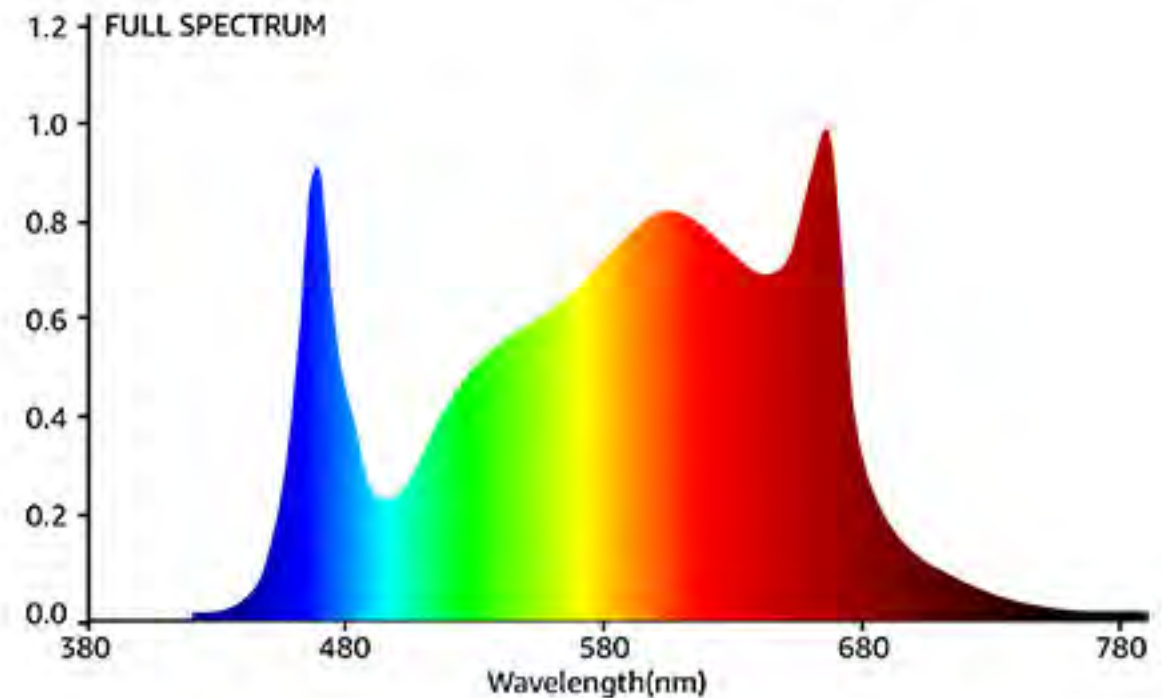


## The McCree Curve



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## Neocision Spectra PRO



## 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



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



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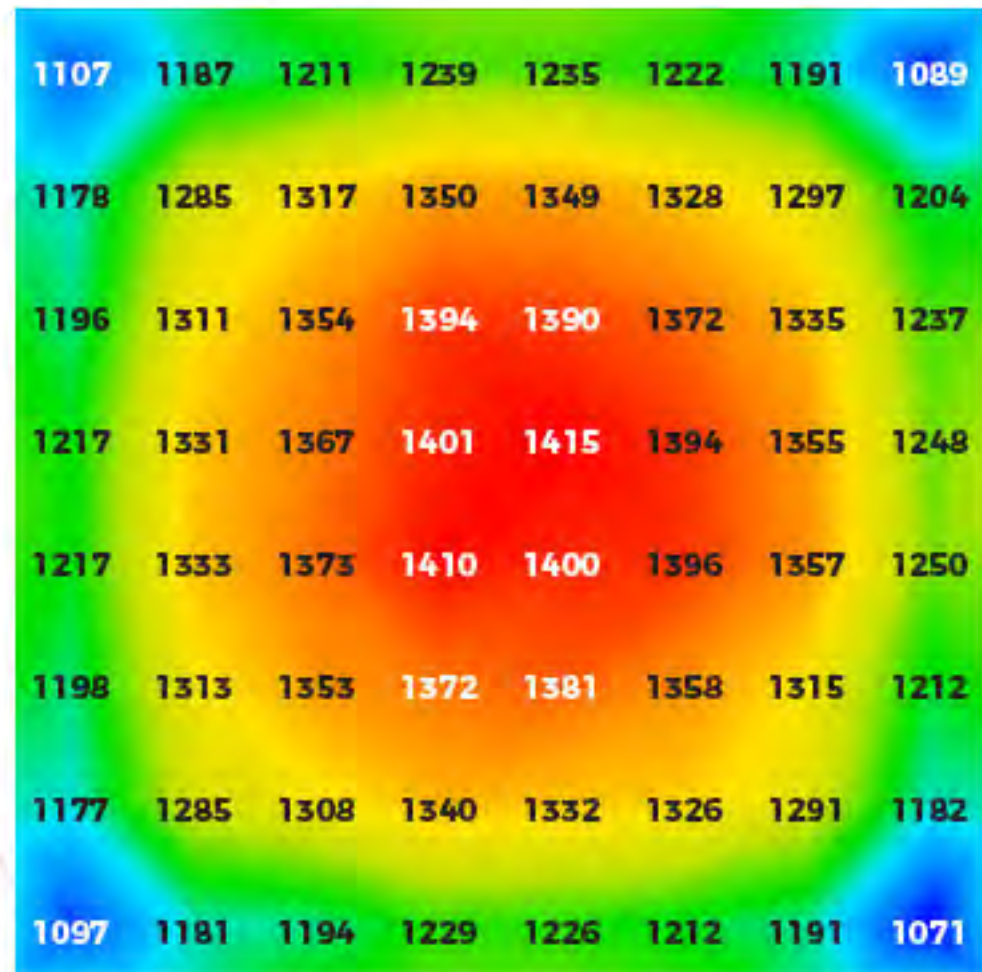
# IP66 RATED

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

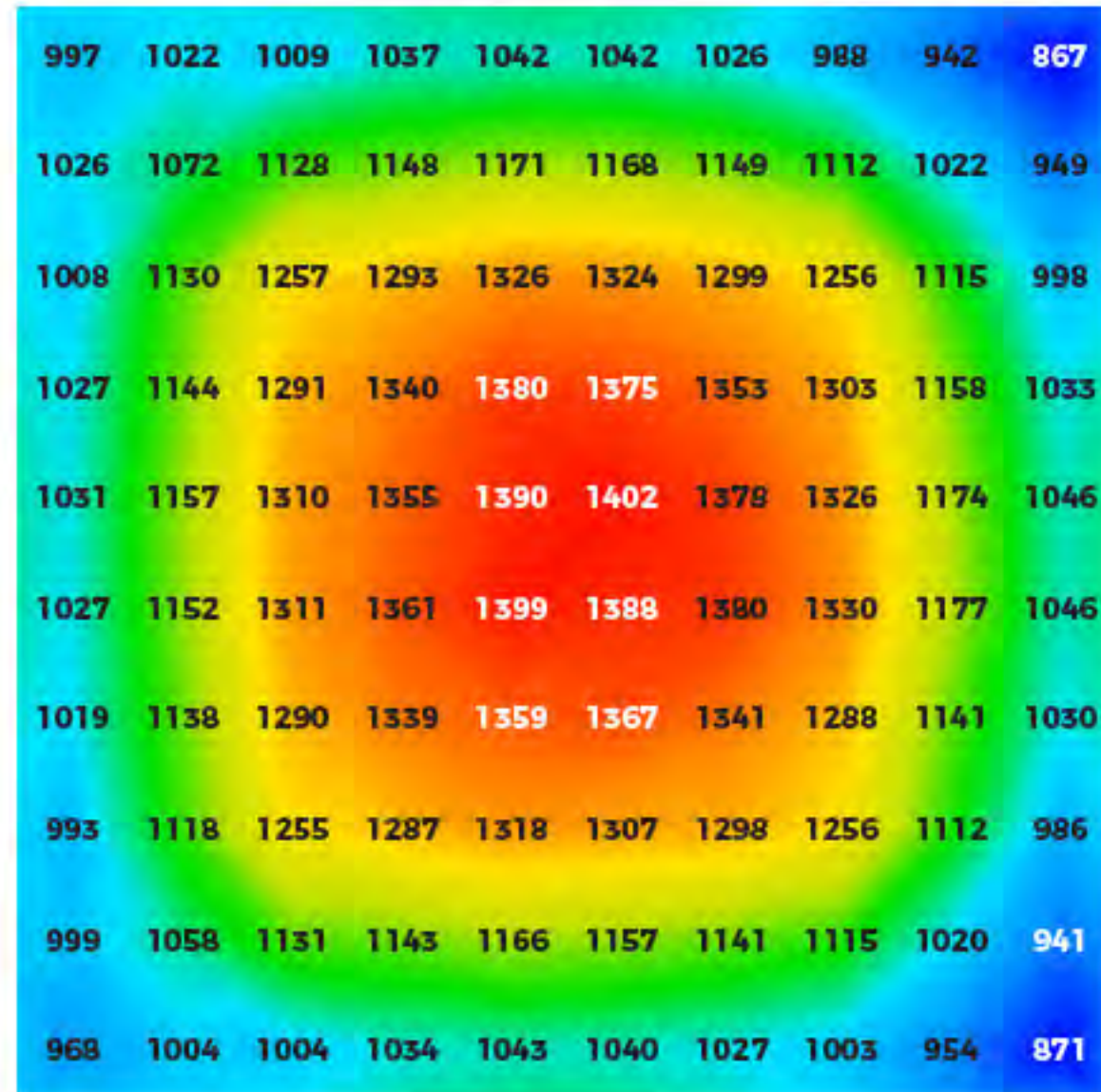


# PPFD Map

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



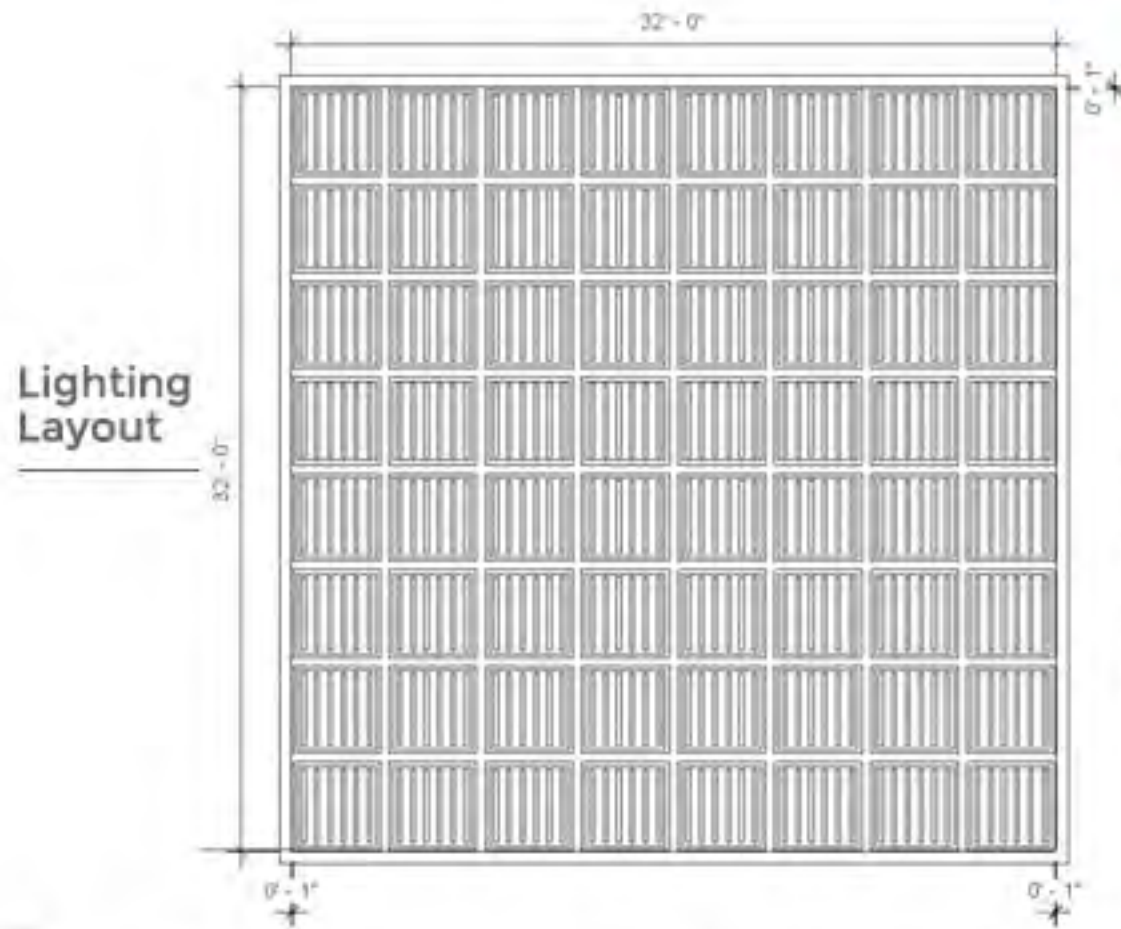
**5ft x 5ft\***  
Avg. 1155  
Min. 867  
Max. 1402  
Unif. 0.8

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





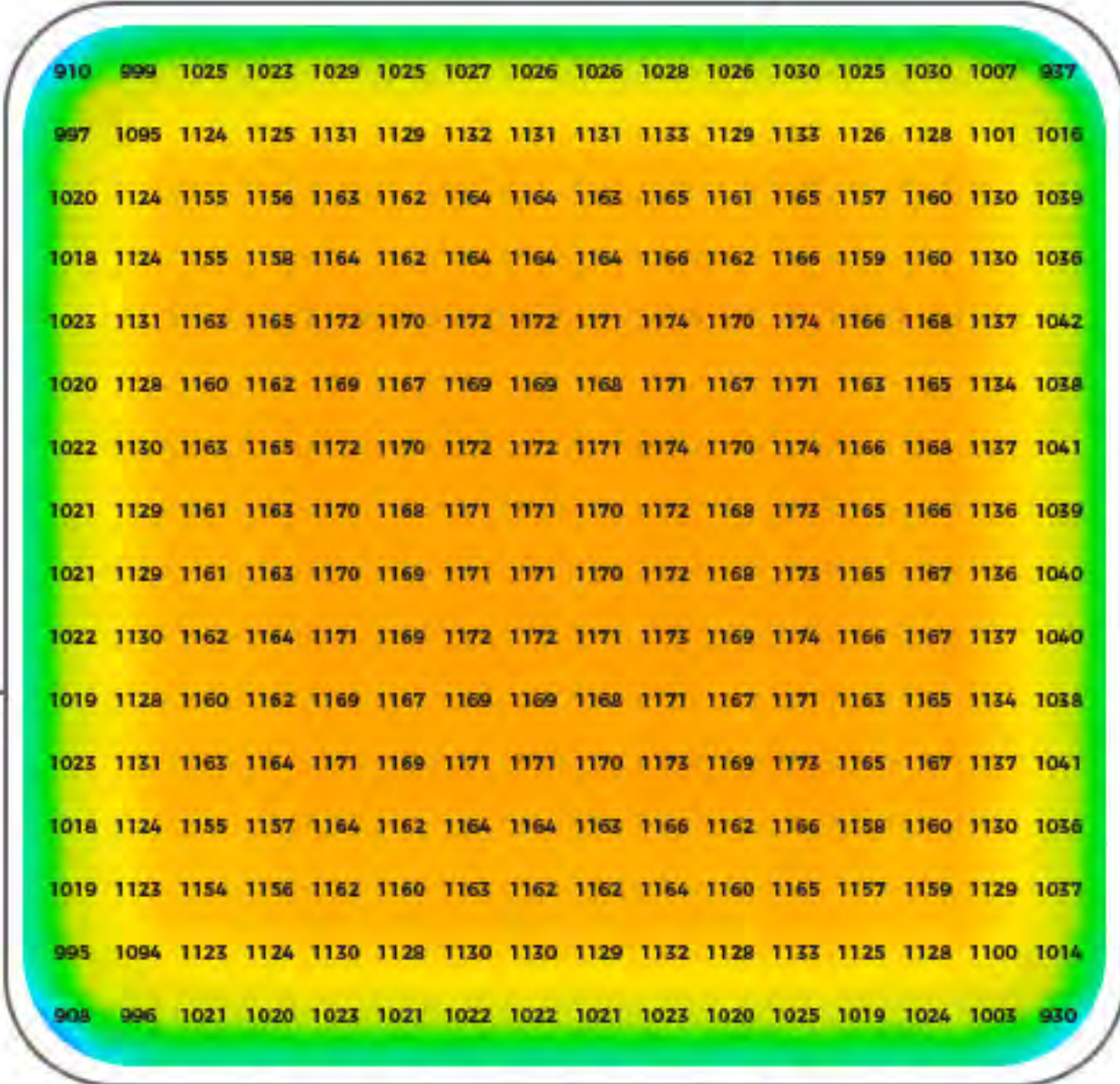
# PPFD Values and Heat Map



AVERAGE  
PPFD  
**1123**

## PPFD Values and Heat Map

32' x 32' Grow Room  
Fixtures at 24"  
from Canopy  
(240 V)



\*PPFD calculations based on the use of Elumtools – the most accurate software for creating and measuring lighting output and the only one with a specific horticulture mode for greenhouses and indoor cultivation.

\*\*Reflection values: 0% Ceiling, 80% Wall and 10% Floor.

# Dimming Knob and Controls

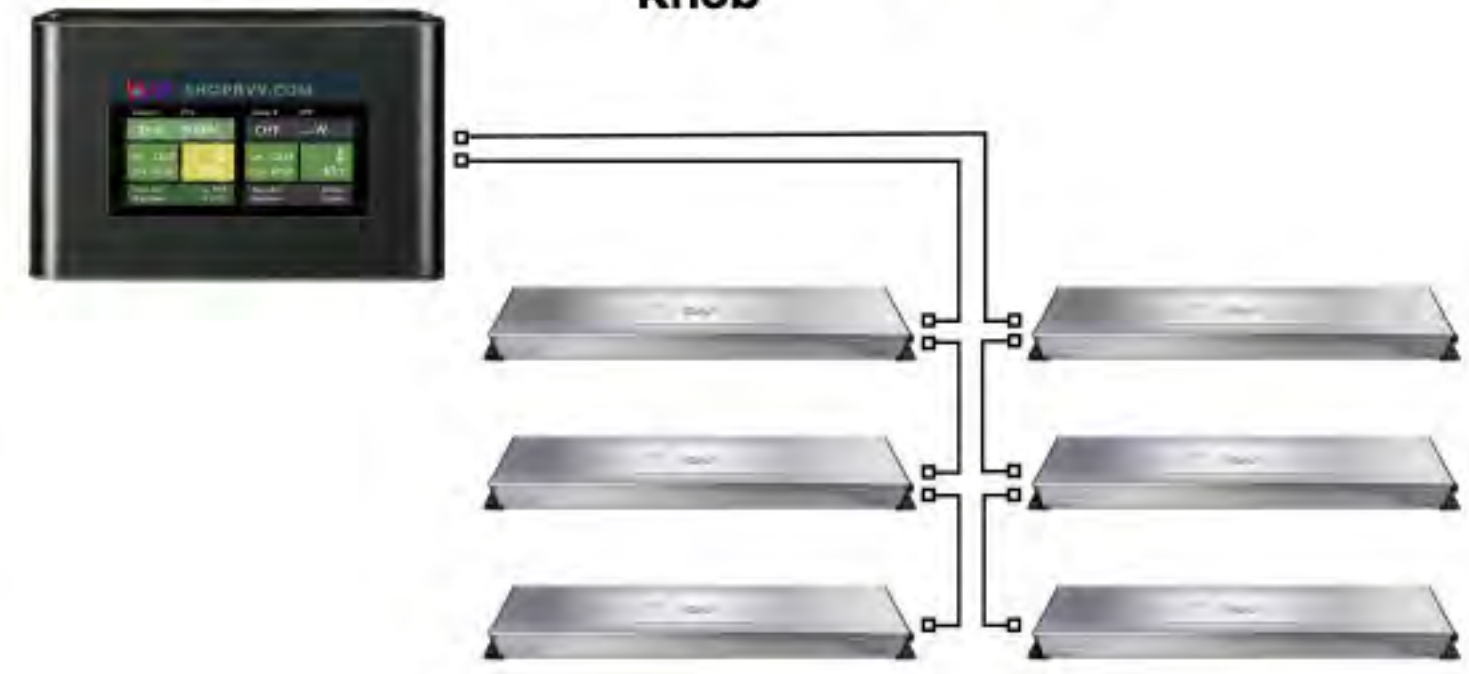
- Manually adjustable light intensity (from 100% to 10%, then to OFF)
- Energy saving
- Meet different plant stage needs
- Daisy chain fixtures to 0-10v external controller (sold separately)
- Number of daisy chained fixtures determined by controller signal power (dimming current 0.1 mA for fixture)



**External Controller**

**Dimming Knob**

**RJ Ports**





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## 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

