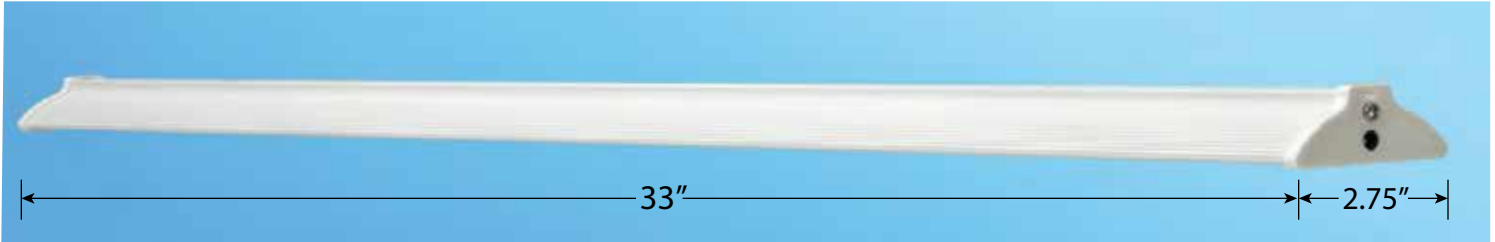


33" Procyon® PRO



Setup Instructions

Plug A into B (Photo 1). Make sure it is a secure fit. Plug the light into a 120 volt outlet, being careful not to look directly into the light. You may choose to use a timer between the power supply and the outlet.

Two eyebolts were included - screw them into the nuts on the channel at the top of the light (Photo 2).

NOTE: Eyebolts are adjustable by loosening and sliding.

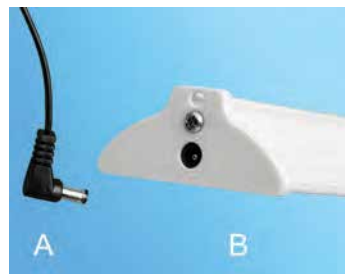


Photo 1



Photo 2

Product Specifications

Power	80W
System Efficacy	2.10 µmol/J
Spectral Distribution	See Graph
Cooling	Passive Cooling

Physical

Dimensions	33" x 2.75"
Weight	26 oz.
Housing	Aluminum Extrusion
Mounting	M4 T-Slot with Eye Bolts

Power Supply Options

	Option 1 — Runs One 33" Procyon PRO Light	Option 2 — Runs Four 33" Procyon PRO Lights
Input Voltage	120 VAC	120-277 VAC
Input Current	1 Amp Max.	3 Amp Max.
Power	100W	260W
PF	>0.90	>0.90
Frequency	50/60 Hz	50/60 Hz
Output Voltage	24 VDC	24 VDC
Output Current	4 Amps	10.8 Amps
Connectors	Barrel – 5.5 mm/ 2.1 mm	Barrel – 5.5 mm/ 2.1 mm

Optical

Modules	1-Procyon PRO Light
LEDs	Osram Oslon Square
Efficacy	2.10 µmol/J
Beam Angle	120°

Control

Dimming (Optional Feature)	12-24 V – PWM Down to 5%
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Environment

Operating Conditions	-20°C (-4°F) to 40°C (104°F) / RH <95%
Storage Conditions (No Liquid)	-20°C (-4°F) to 60°C (140°F) / RH <95%
IP Rating	IP66 – Wash Down
PAR Map Coverage Area (See Page 2)	36" x 18"/24"

Coverage Area

NOTE: raising the height of the light will expand coverage area but lower light levels to plants. Best results are achieved by carefully observing plant growth and adjusting light levels accordingly.

Example Crops	Hanging Light Above Plant Canopy	Coverage Area 33" Light
Microgreens, Seed Starting	14" - 18"	36" x 30"
Lettuce, Leafy Greens, Herbs & Vegetative Plants	10" - 12"	36" x 24"
Flowering Plants	6" - 10"	36" x 18"

See www.happyleafed.com for independent test result reports

33" Procyon® PRO

Top Views



Two nuts in channel on top of light.



Two eye bolts screw into nuts for hanging.

Side Views



Connector side.

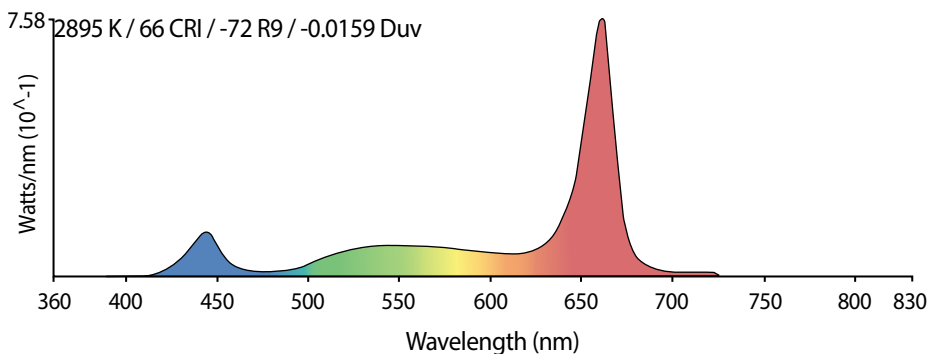


Opposite side.

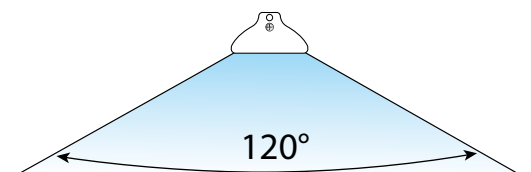
PAR Map

Osram Oslon Squares 12 Inches Up (80 Watts)	-24	-18	-12	-6	center	6	12	18	24
-18	0	0	35	43	43	43	35	0	0
-12	0	58	90	106	98	106	90	58	0
-6	0	111	183	215	222	215	183	111	0
center	67	148	254	305	314	305	254	148	67
6	0	111	183	215	222	215	183	111	0
12	0	58	90	106	98	106	90	58	0
18	0	0	35	43	43	43	35	0	0

Spectral Distribution (Red, Blue, Green)



Beam Angle



See www.happyleafled.com for independent test result reports