

FEATURES

- Samsung full-spectrum chips + 450nm blue and 660nm red
- On board dimming for output control
- Plug & play installation
- Lightweight aluminum construction | conformal coated PCB

SPECIFICATIONS

Max Wattage: 320w

Input Power: 120-277v 50/60hz

Amperage: 2.7@120v, 1.3@240v, 1.15@277v

PPF (400-700nm): 860 μmol | 2.6 $\mu\text{mol/w}$

Chip Types: Samsung full-spectrum, 660nm, 450nm

Spectrum: Advanced Full Spectrum

Dimensions: 21.125" x 21" x 3.125"

Weight: 11lbs

Suitable for Damp Locations

INCLUDED:

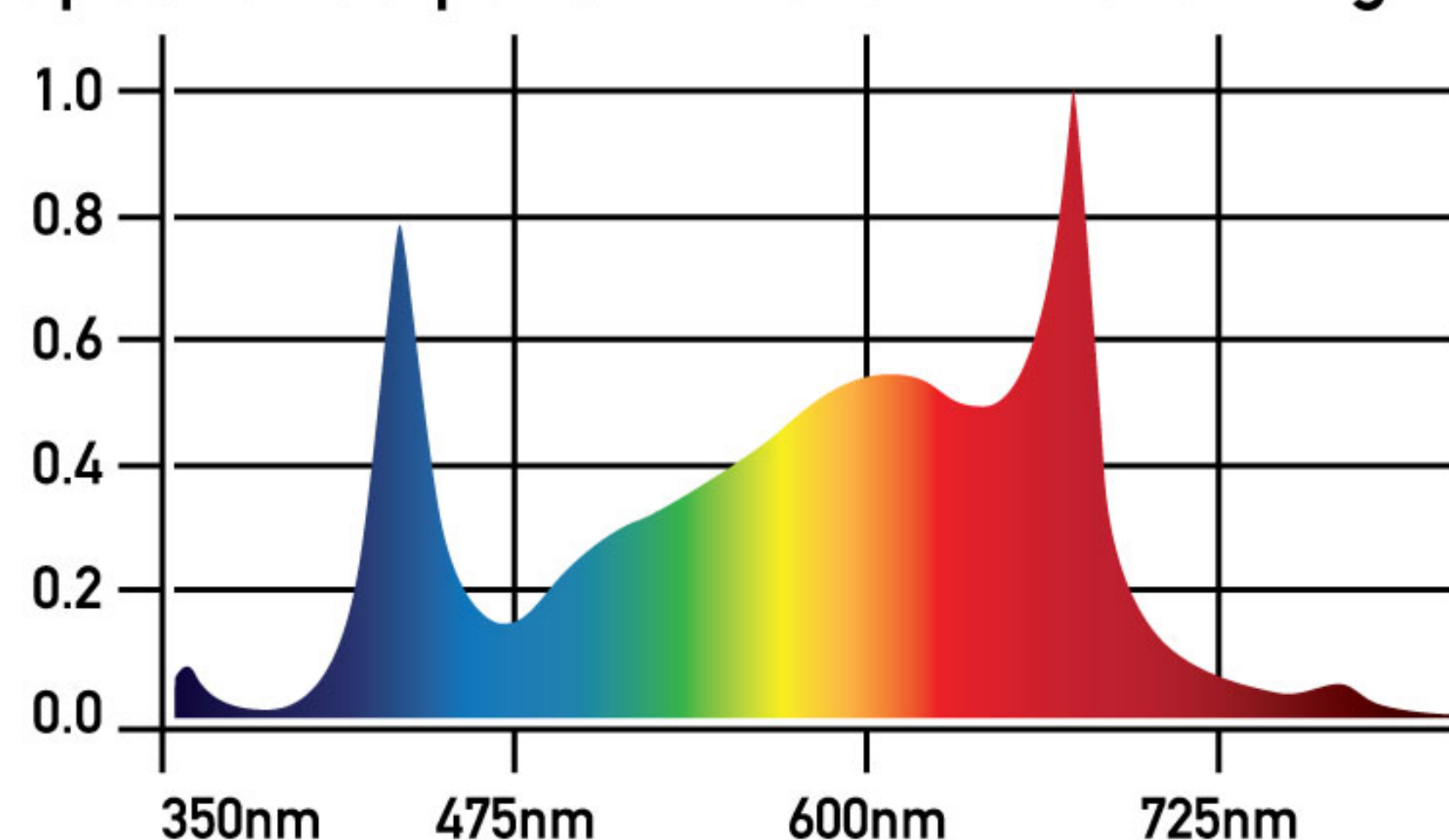
Fixture with remote cable dimming control

Heavy duty rope ratchet hangers

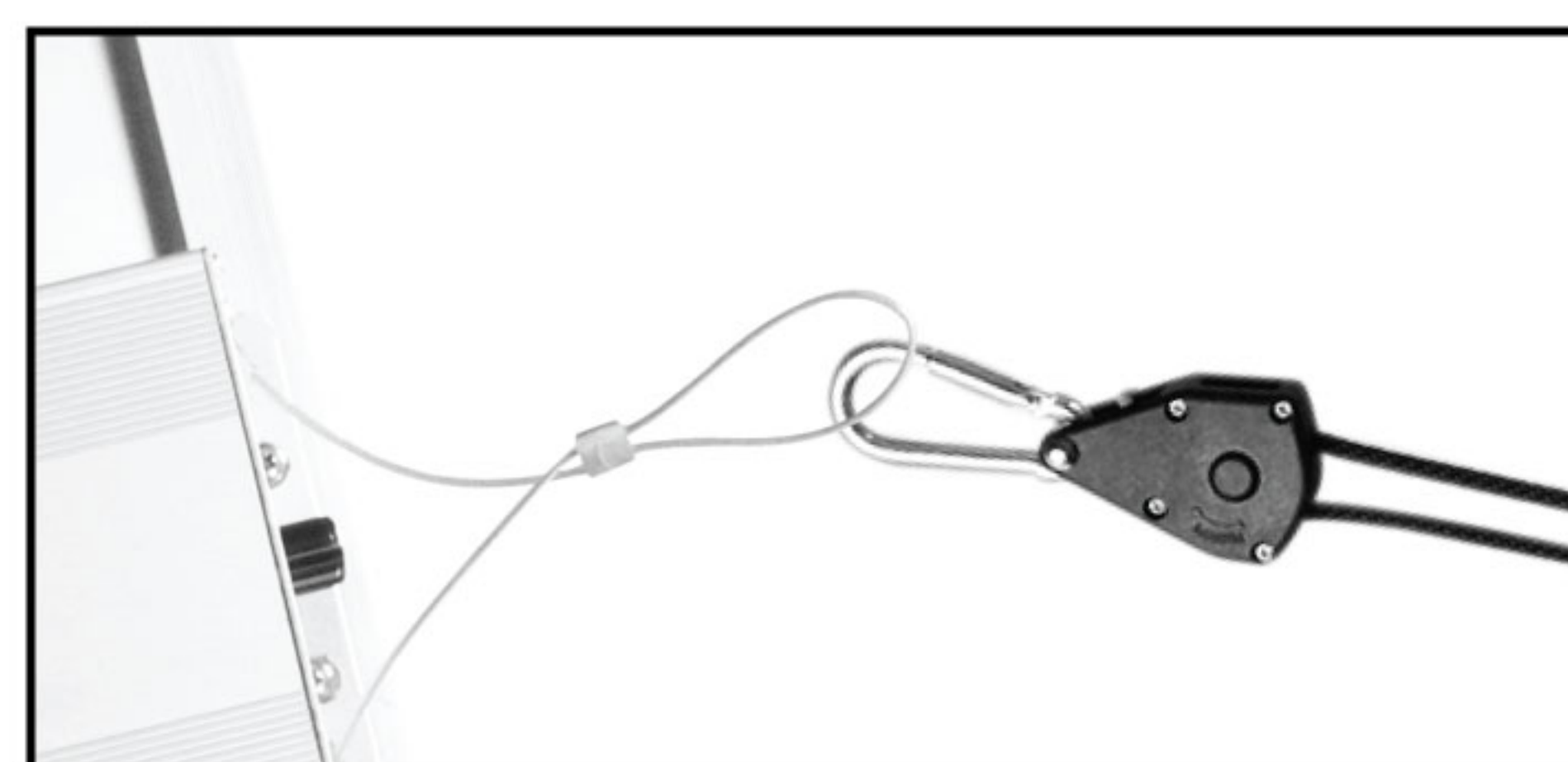
Standard NEMA-15 power cable

System Information & Instruction Sheet

Spectral Output of VP-320 LED Grow Light



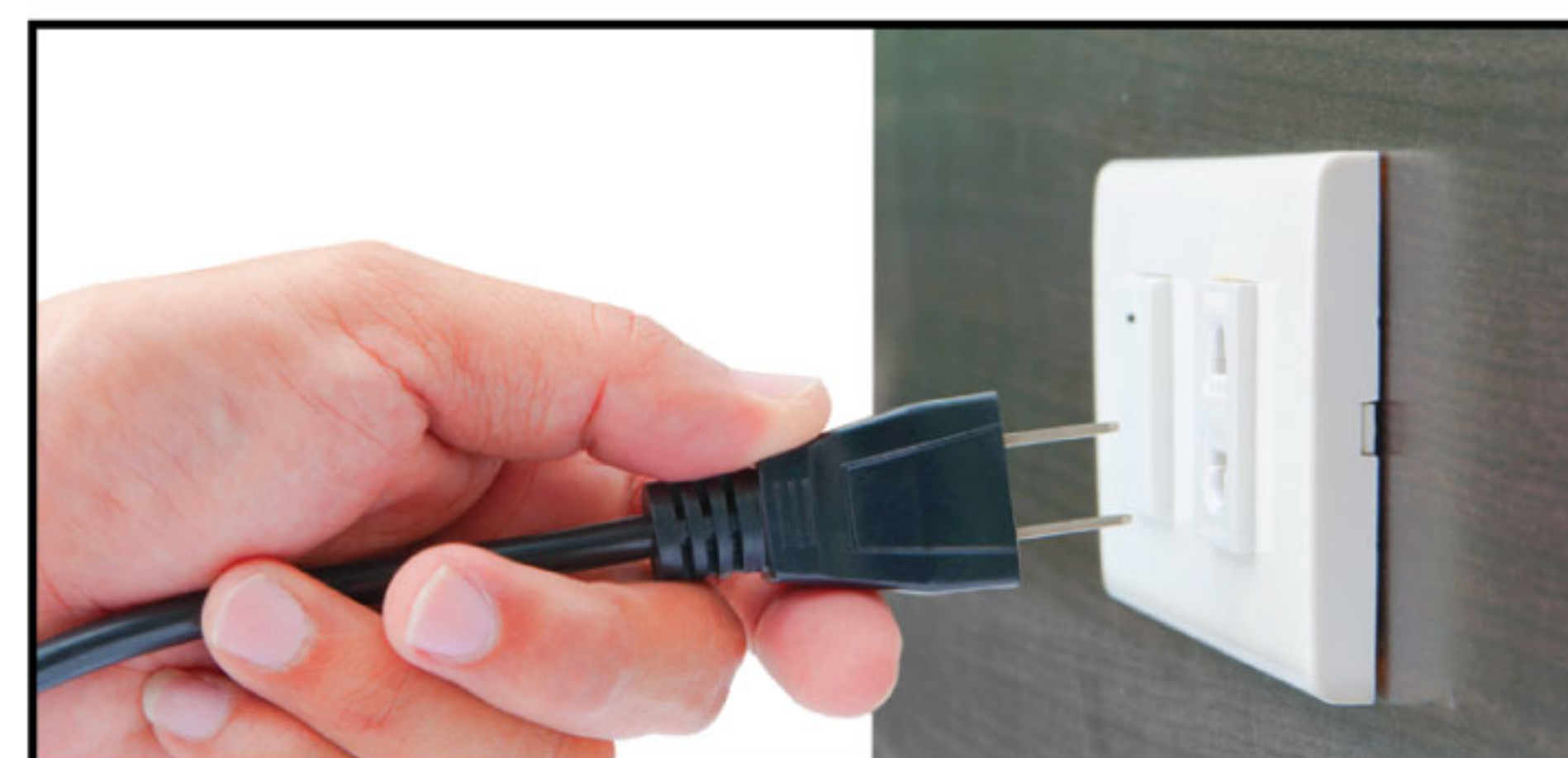
INSTALLATION



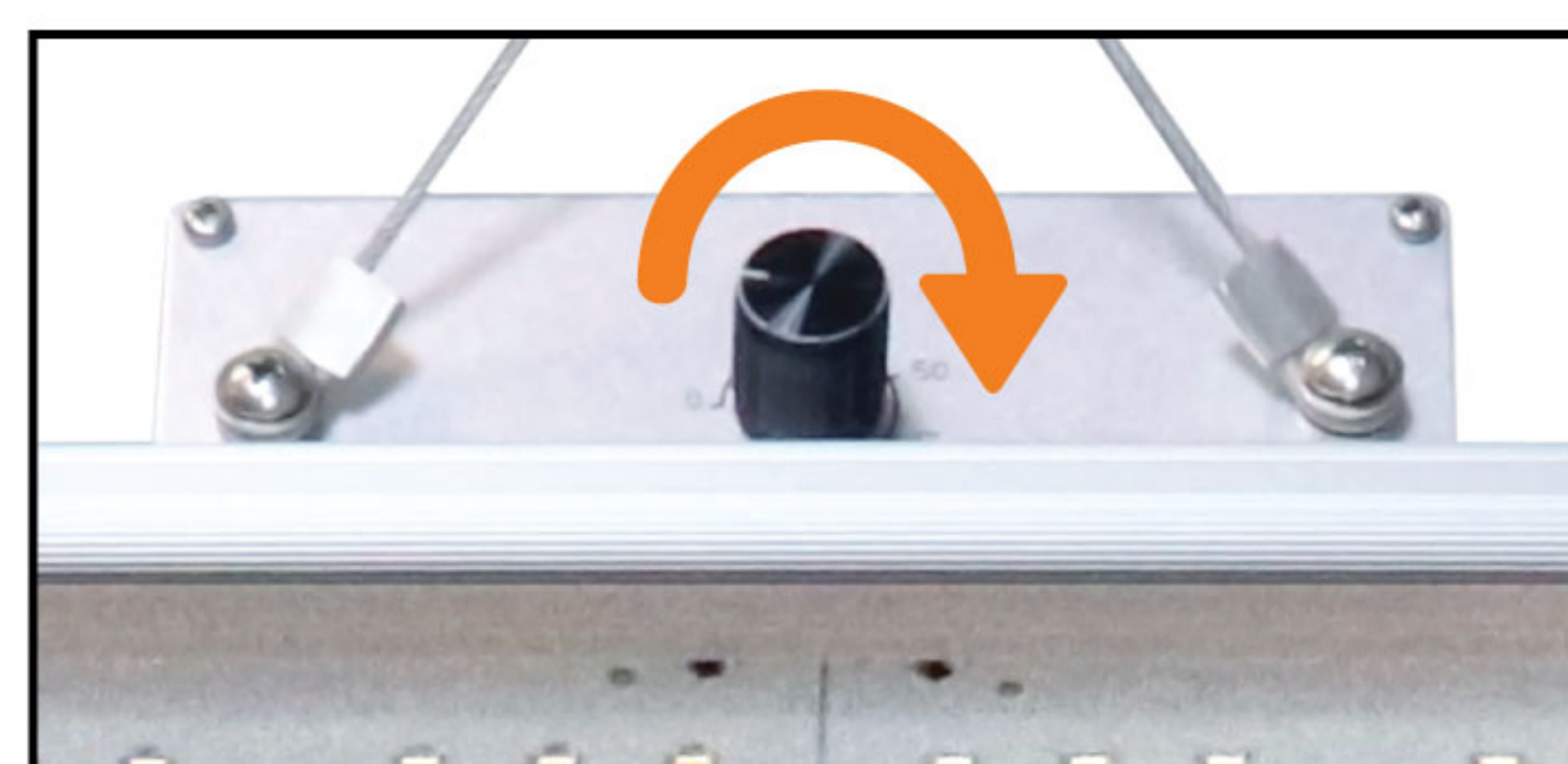
1. Attach heavy duty rope ratchets to wire harness.



2. Attach free hanger carabiner to hanging surface. Adjust height as desired using free end of rope.



3. Plug the fixture into your power source.



4. Adjust output if desired.

OPERATION RECOMMENDATIONS

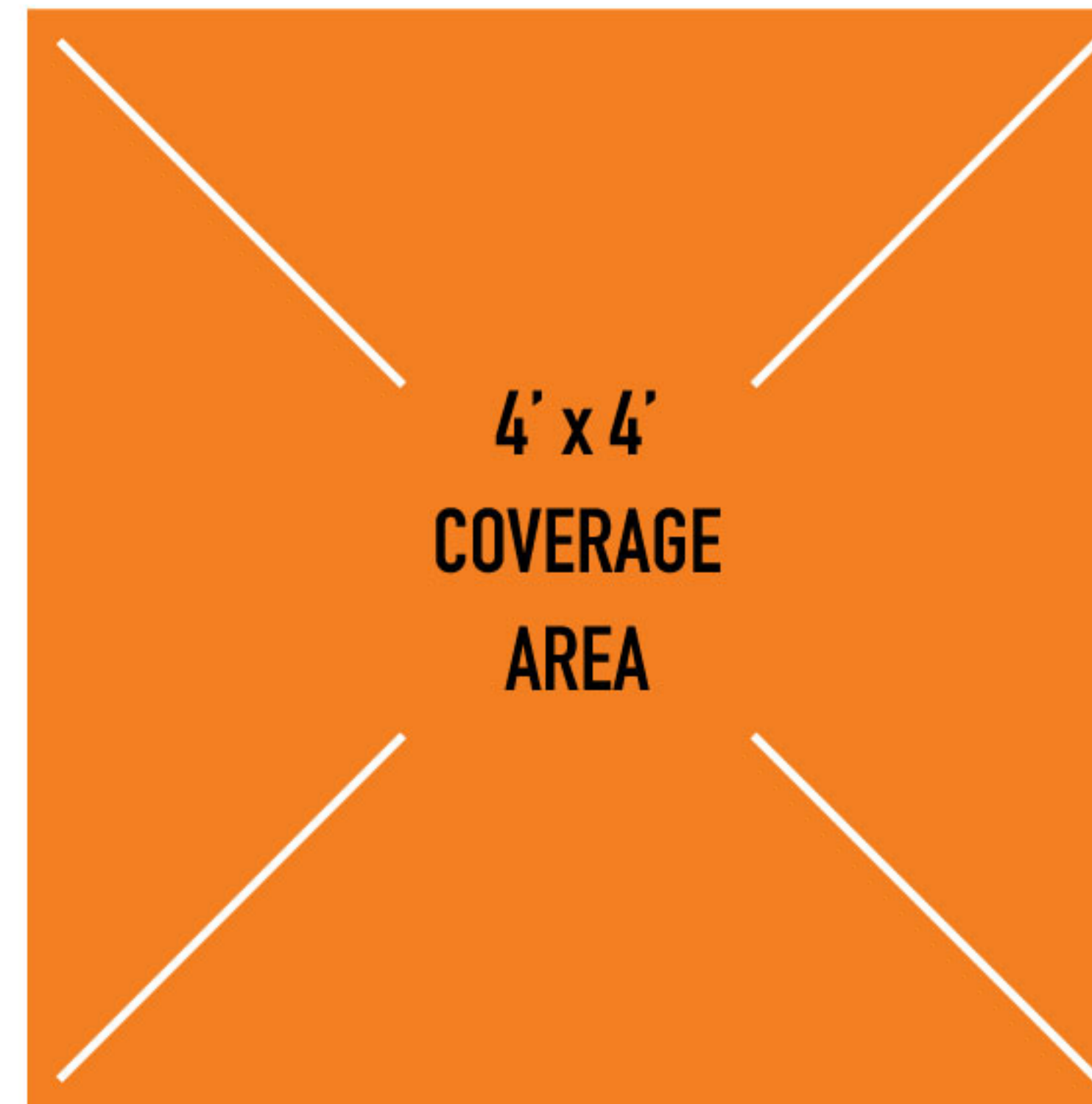
Light Coverage and Hanging Height Recommendations

Coverage and canopy light intensity levels can be adjusted by simply raising or lowering the light with the included rope ratchets. For best results, position the light between 18" and 24" above the plant canopy according to the plant growth stage:

24" above the canopy | lower canopy intensity, best for seedlings & young vegetative plants | up to **4' x 4'** coverage

18" above the canopy | higher canopy intensity, best for flowering plants | up to **3' x 3'** coverage

24" ABOVE CANOPY



18" ABOVE CANOPY



VP-320 — PPFD — 18" in a 4'x4' Area					
126	197	225	251	221	152
202	321	369	415	373	246
214	369	465	546	494	349
238	420	526	617	577	385
216	360	436	523	469	336
151	252	305	351	326	251

PPFD
450+
350-449
250-349
249

VP-320 — PPFD — 24" in a 4'x4' Area					
125	173	200	209	182	147
170	245	290	310	280	215
196	286	343	385	355	275
210	322	383	425	391	301
192	284	330	380	355	276
154	226	262	290	270	219

PPFD
350+
250-349
150-249
149

LIGHTING CYCLE TIPS

Lighting cycles (lights-on/lights-off durations) are essential for achieving proper growth and good production. While optimal light cycles can vary among plant species/strains, the following general 24-hour schedules will work great for most plants:

VEGETATIVE STAGE

ON: 18HR

OFF: 6HR

Seedlings & Vegetative-Stage plants: 18 hours lights-on, 6 hours lights-off — simulates longer daylight periods of spring/summer to maximize vegetative growth.

FLOWERING STAGE

ON: 12HR

OFF: 12HR

Flowering-Stage Plants: 12 hours lights-on, 12 hours lights-off — simulates shorter daylight periods of late-summer/autumn to encourage flower growth and development.

SAFETY INFORMATION

Intended for indoor use only.

Do not operate in extreme heat or cold conditions

Caution: To protect eyes, do not look directly at LEDs

Disconnect from power source before handling

Caution: Driver may be hot to the touch. Use appropriate protective gloves or allow to cool before handling.