

SUN HARVEST Grow Lighting

DESCRIPTION

The Harvester Series is a true spectrum LED horticulture lighting solution that utilizes passive cooling technology. TruSolis Technologies is proud to make this solution available for both residential and commercial growers. H050 is used during cloning and the H110, H220 & H440 are ideal for vegetation and flowering.

CATALOG #		TYPE
PROJECT		
COMMENTS		DATE
PREPARED BY		

HARVESTER SERIES H050/H110/H220/H440

FEATURES

- H050 is ideal for propagation of plant growth in the clone stage
- H110, H220 & H440 are ideal for plant in veg and flower stages
- Small footprint (7 in diameter, 4 in height)
- Security chain hole
- Easy to hang with a single eye bolt on top (Other options available. Please contact us for more information)
- Powder coated black driver housing
- Use 1 H050 over every 200 clones at 12"-18" above canopy

BENEFITS

- Eligible for rebates and leasing programs
- Quiet - no humming
- Minimum of 60% savings in energy
- Minimal heat emissions and lower HVAC costs
- 100% Recyclable. No harmful mercury or lead
- Field serviceable with 'plug and play' replacement parts at end of life

WARRANTY

- Lifetime on all mechanical parts
- 5 years on electrical parts

LIGHTING CONTROLS

- The Harvester Series lights can interface with commercial light management systems for dimming light levels
- The Harvester Series lights can be equipped with photosensors to turn on and off

Made in USA
& Canada



SAVINGS

1. The energy savings on HVAC is up to 40%. That is the energy needed to cool those old hotter lights.
2. The Maintenance savings are phenomenal! On average a grower:
 - a) Replaces the bulb every 2 turns (2-3 times per year)
 - b) Changes a ballast every 3 years**BUT with our lights no maintenance is required!**

TRUSOLIS SPECTRUM

PPF efficiency is 2.08 umols/joule exceeding DLC requirements. TruSolis uses true full-color spectrum LED chips that includes UV and IR wavelengths. The UV light increases essential oils and decreases pests and molds.

WATER-RESISTANT

Made water-resistant with conformal coating on the LED circuit boards to protect them from moisture and humidity.

PATENTED COOLING TECHNOLOGY

Uses passive cooling technology with NO fans, NO removal of dust required. The cooler operating temperature allows the lights to be moved by hand after hours of operation.

EXTRA LONG LIFETIME

Using only high-end components with no moving parts allows up to 272,000 hours of lifetime. Lifetime warranty on all mechanical parts.

DUAL INSTALLATION

Includes angle adjustable mounting panels as well as a single eye bolt on top.

PERFORMANCE DATA

Photon Efficacy (umoles/Joules)	PAR 400-700nm = 2.08
Power Supply Output Wattage	50, 100, 220 and 440 watts
Input Voltage (high voltage)	208-480v
Input Voltage (low voltage)	120-277v
CCT Range	3000-5500k
Patented Optics	120 Degrees
Power Factor	0.9
Total Harmonic Distortion (THD)	>10%
ISTMT	59.1 C
Frequency (Hz)	50/60
Color Rendering (CRI)	95

H050

(Clone & Seedlings)

50watts

6 lbs Weight

120 total photon flux in umols/sec
in PAR (400-700nm)



H110

(Veg/Flower)

110watts

8 lbs Weight

234.77 total photon flux in
umols/sec in PAR (400-700nm)



H220

(Veg/Flower)

220watts

18 lbs Weight

469.54 total photon flux in
umols/sec in PAR (400-700nm)



H440

(Veg/Flower)

440watts

32 lbs Weight

939.08 total photon flux in
umols/sec in PAR (400-700nm)



ORDER INFORMATION

SAMPLE ORDER NUMBER

H220 — 220w — UNV — V — EB

MODEL	WATTAGE	VOLTAGE	TYPE	MOUNTING
H050	50w	UNV 120-277V	V = VEG	EB = EYE BOLT
H110	110w		F = FLOWER	
H220	220w	2T5 208-480V		
H440	440w			