



MarsEVOL



SOLIFY PRO

▶ For greenhouse

Product Features:

- High lighting transmittance tempered glass + aluminum alloy design, super protection, sunlight-resistant, chemicals-resistant, 95% lighting transmittance rate.
- Passive cooling using cutting edge technology allows for negligible radiant heat compared to traditional grow lights (HPS).
- Standard vegetative spectrum, flower spectrum as optional, UV, IR or UV+IR spectrum as optional

-  Protection Level: IP66
-  Beam Angle: 120°
-  Warranty: 5 Year
-  Dimming Type: 0-10V



CB CE RoHS

— MarsEVOL LIGHTING

PRODUCT PARAMETERS

Inventronics Driver(Normal)
Weight:7.69lb/3.49kg

Body:Aluminum+Tempered glass
Weight:13.22lb/6kg

Inventronics Driver (351-0006&351-0010)
Weight:19.44lb/8.82kg

Research-tunable spectrum

Channel 1 : White100%
Channel 2 : Deep red 100%

Research-tunable spectrum, used to test the effects of spectral changes on plant growth.

Research-tunable spectrum

Channel 1 : White100%
Channel 2 : Deep red 40%

Research-tunable spectrum, used to test the effects of spectral changes on plant growth.

FS-Cult

Full spectrum with blue peak.
Contains wavelengths between 400-700nm.
Slightly enhance energy at 660nm.

FS-Score

Full spectrum with deep red peak.
Contains wavelengths between 400-700nm.
Slightly enhance green, yellow, FR.
Meantime drastically enhance energy at 660nm.
Spectrum of high efficiency light supplemental.






PRODUCT PARAMETER DETAILS

	Type NO.	Power	Efficiency	PPF	Spectrum	Voltage	BTU	LED
North America	351-0003	630W	2.4 μ mol/J	1512 μ mol/s	FS-Cult	100-277VAC	2149	Samsung White Osram Red
	351-0004	630W	2.4 μ mol/J	1512 μ mol/s	FS-Cult	277-480VAC	2149	Samsung White Osram Red
	351-0005	625W	2.6 μ mol/J	1625 μ mol/s	FS-Score	100-277VAC	2133	Samsung White Osram Red Osram Far Red
	351-0006	620W	2.5 μ mol/J	1550 μ mol/s	Research-tunable	100-277VAC	2116	Samsung White Osram Red
Europe	351-0008	630W	2.4 μ mol/J	1512 μ mol/s	FS-Cult	100-240VAC	2149	Samsung White Osram Red
	351-0009	625W	2.6 μ mol/J	1625 μ mol/s	FS-Score	100-240VAC	2133	Osram Red Osram Far Red
	351-0010	620W	2.5 μ mol/J	1550 μ mol/s	Research-tunable	100-240VAC	2116	Samsung White Osram Red
	351-0011	630W	2.4 μ mol/J	1512 μ mol/s	FS-Cult	277-480VAC	2150	Samsung White Osram Red

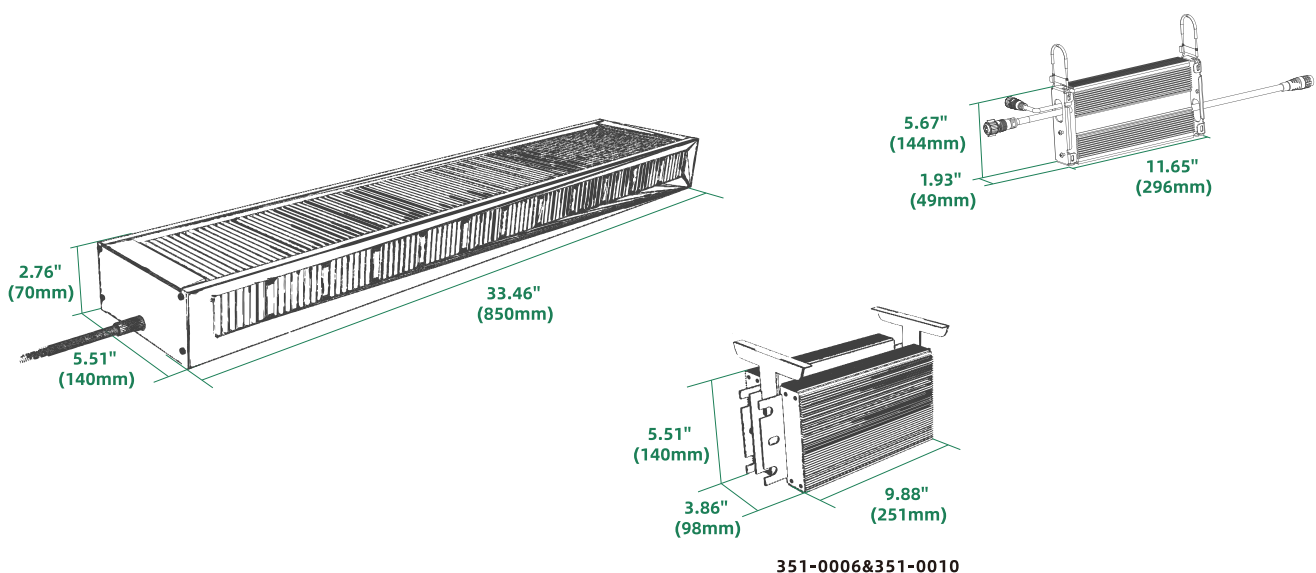
AMPERAGE BY VOLTAGE OVERVIEW

		VOLTAGE(AC)	120V	208V	230V	277V	348V	400V	480V
AMPERAGE	North America	351-0003	5.25A	3.03A	2.74A	2.27A	/		/
		351-0004	/	/	/	2.27A	1.81A		1.31A
		351-0005	5.21A	3.00A	2.72A	2.26A			
		Europe	351-0006	5.17A	2.98A	2.70A	2.24A	/	
			351-0008			2.74A		/	/
			351-0009	/	/	2.72A	/		
			351-0010			2.70A			
		351-0011			2.74A				

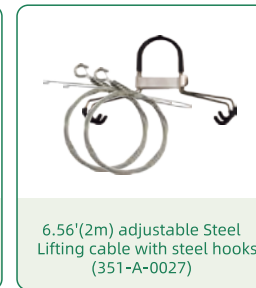
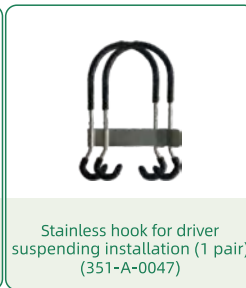
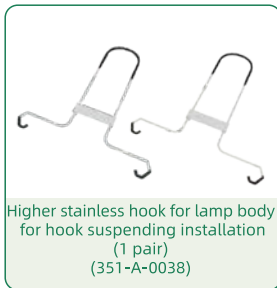
PLUGS AT DIFFERENT VOLTAGES

North America	125V	250V	277V		Europe	230V
	5-15P	6-15P	7-15P	L7-15P		
						

PRODUCT DIMENSIONS



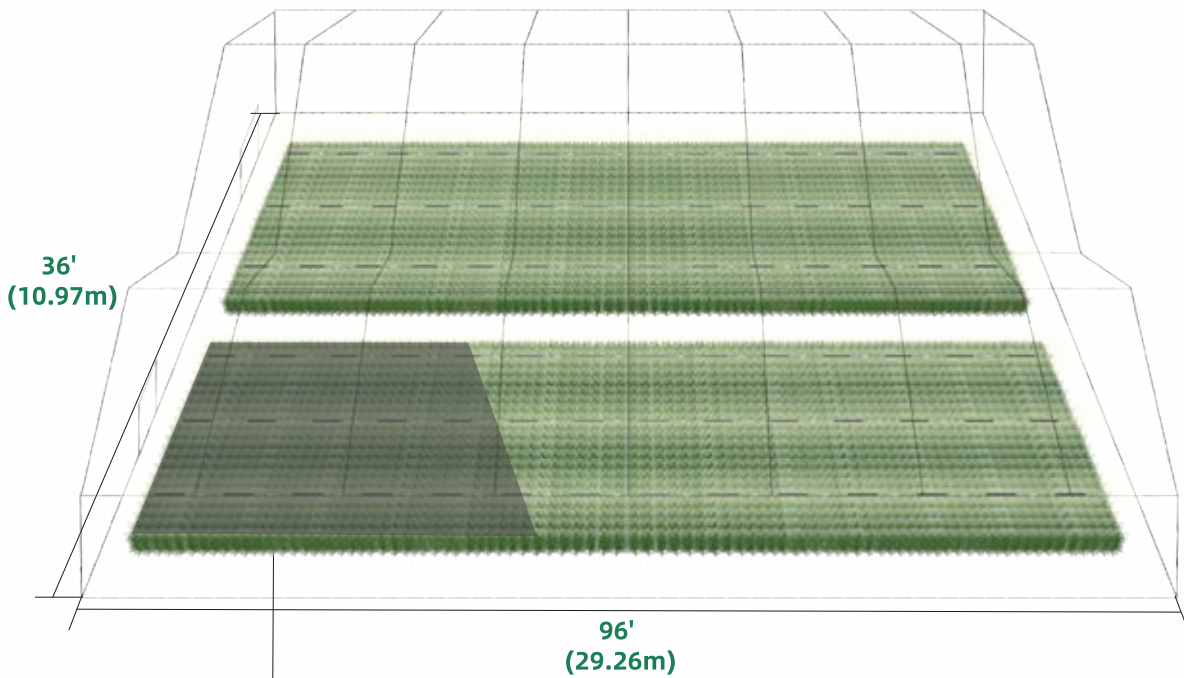
PRODUCT ACCESSORIES



PHOTOSYNTHETIC PHOTON FLUX DENSITY



TYPICAL APPLICATION



310	306	294	316	290	308	309	291	317	295	308	312
388	381	363	401	356	385	386	356	400	364	382	390
412	409	388	423	383	411	412	383	423	389	409	415
429	426	405	440	399	428	429	399	440	407	426	432
439	435	412	449	409	436	436	409	449	414	435	441
428	424	403	438	398	427	427	398	438	404	425	430
406	403	381	416	378	405	406	378	416	383	403	409
323	367	348	386	342	325	325	342	386	350	322	330
279	275	262	285	259	278	278	259	286	264	277	280

32ft
(9.75m)

15ft
(4.75m)

This map displays PPFD in an area of 15'x32'(4.75mx9.75m).

The application case of Solify Pro for greenhouse plants cultivation.
The distance between the lights and the plants is 5'(1.52m), and 84pcs of Solify Pro are needed in the planting area of 96'x36'(29.26mx10.97m).



MarsEVOL

ABOUT US>>

MarsEVOL was established in 2006, 17 years of professional optoelectronic design and manufacturing experience;

With the concept of “**LED-Innovation-Profession**”, which is one of the earliest LED lighting design manufacturers. The current product line covers Industrial and Commercial lighting, Aquarium lighting, Horticulture lighting, poultry lighting, and various professional control systems, such as Wifi, Bluetooth mesh, Zigbee.

Now **MarsEVOL**'s solution was applied in numerous projects all over the world at all scales.



Deep Cultivation And Scientific Research

Professional R&D team, including a structural team, an electronic team, an optical team, an engineering process team, a software team, and a testing team.



Advanced Production Equipment

Full set of optical and electrical laboratories, as well as advanced factory equipments.



Strong Enterprise Strength

The earliest VDE certification was obtained in 2007. Up to now, the certifications have VDE, UL, ETL, ENEC, TUV, CE, FCC., EMC,LVD, RoHS, KC, SAA, CB and so on.



Strict Quality Control

ISO9001 quality control system, with IQC, IPQC, OQC teams and processes.



Numerous Patents

Hundreds of patents (Continue to be updated)

ABOUT OUR SMART CONTROL SYSTEM

1-HarveStation is combined by the PAD, Host controller, Par detector, Dimming Controller and Dimming Amplifier. It supports DLI automatic management, controls the dimming of fixture and develops detailed lighting strategies.

It supports lighting partition control, full cycle control, sunlight DLI data statistics, temperature and humidity data statistics. It can effectively balance sunlight and artificial lighting and save lighting energy consumption to the maximum extent.

Statistics can help growers better improve their lighting strategies and gain more productivity.



2-Compact Dimming Controller, two channels can be set, each channel can connect up to 25 lamps;

This compact dimming controller equipment includes a 100~240Vac power adapter, a dimming signal cable + pigtail dimming power cable (total length 2.5 meters/ 8.2 feet);

