efinity®

efinity S840

LED GROW LIGHT

- ☑ Controllable
- ☑ 0-10V dimmable
- ☑ Daisy-chainable

APPLICATION

Our **efinity** S840 LED grow light fixture is designed to give you maximum efficiency and full spectrum that promotes and optimizes your crop/flower bloom. With its ultra-thin fixture design, the **efinity** S840 is easy to install in any sized indoor grow room and/or grow tents.
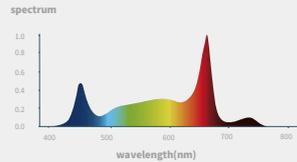
3.0 μmol/J

2520 μmol/s

IP66

5 years warranty

c**ETL**us
Intertek
5018678

FEATURES

Efficacy up to 3.0µmol/J
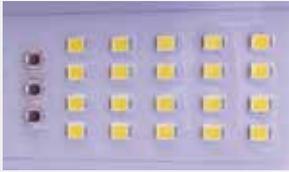
High quality chips

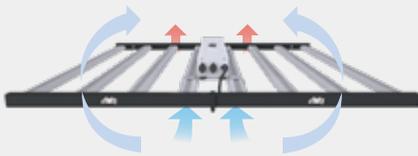### Full-Spectrum, High efficiency spectrum

spectrum

Promotes optimal crop flower bloom
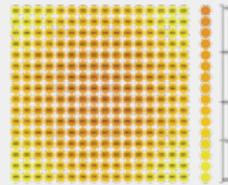
Full mental design

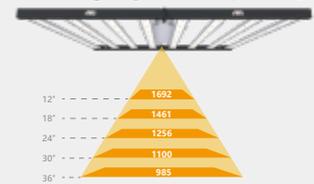Ideal for single-tier tables and benches or multi layer racks

Even heat distribution

8-bar metal design for efficient heat dissipation

High photon uniformity

Plant growth uniformity

Efficacy up to 3.0µmol/J

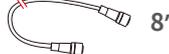1692µmolm^{-2}s^{-1} at 1ft

SPECIFICATION

Model No.	ZSC-ID-BZ840-SV11-BO
Lamp size	43.3 x 43.3 x 4.3 inch (110X110X11cm)
Spectrum	Full Spectrum
Rated Wattage	840W @ 277V
AC input voltage	120 - 277V ,50/60Hz
Power factor	＞ 0.95
PPE	Up to 3.0 µmol/J
Total PPF	2520 µmol/s
Light distribution	120°
Thermal management	Passive
Function	0-10V dimming
Mounting height	≥2ft (61cm) above canopy
Coverage	5ft x 5ft (152.4cm x 152.4cm)
Warranty	5 years warranty
IP rating	IP 66
Lifetime	＞50,000hrs
LED fixture weight	16.8lbs (7.58kg)
Driver weight	10.5lbs (4.78kg)

DIMENSION

43.3"
110cm

43.3"
110cm

4.3"
11cm
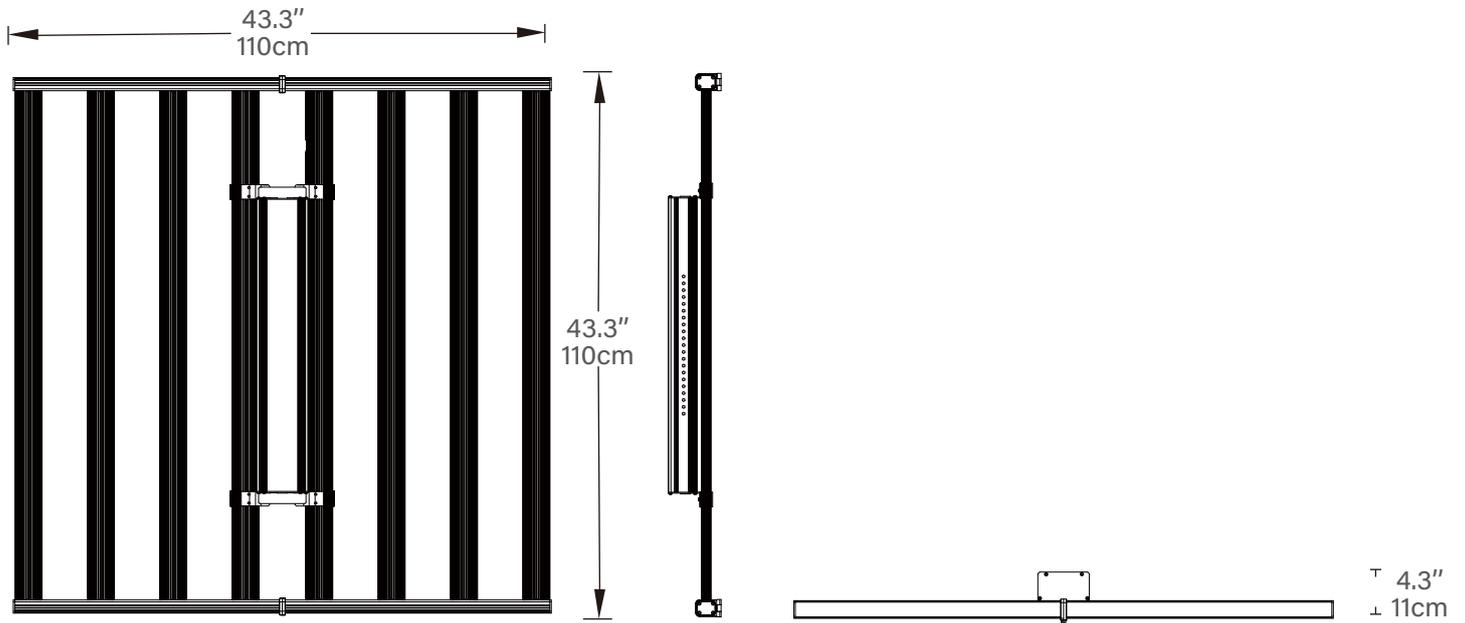
FIXTURE & ACCESSORIES

Parts	Number	Details
LED fixture	1	
Driver	1	
Carabiner	4	
Sling	4	2'
#1 Cable - AC input	1	6'
#3 Cable - Signal input cable	1	8'
Driver Locknut	4	
User Manual	1	USER MANUAL
(Optional) #2 Cable - AC chain	1	0.5' 0.5' 7.2'

SPECTRUM

spectrum

wavelength(nm)
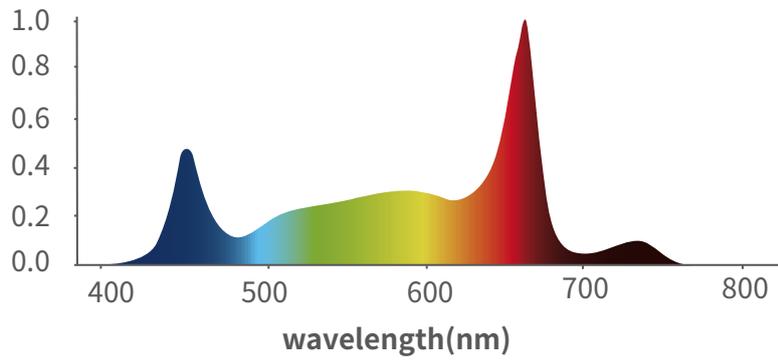
PLANTING GUIDANCE

Below is the recommendation for adjusting the mounting height between the LED grow light and the plants according to the growing stage.
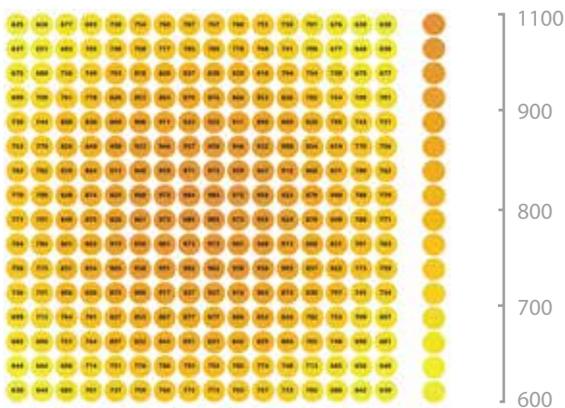
Vegetative Height ＞3 ft

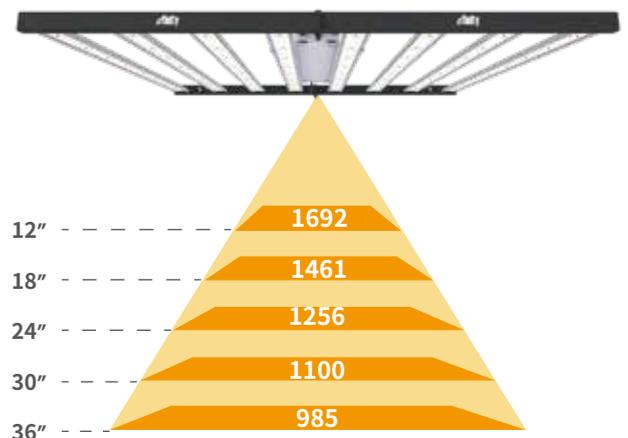Flowering to Harvest Height ＞2ft

PPFD DISTRIBUTION
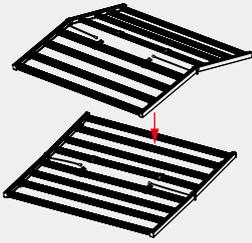

5' X 5' =810μmolm^{-2}s^{-1} average PPFD-3ft height

EFFICACY

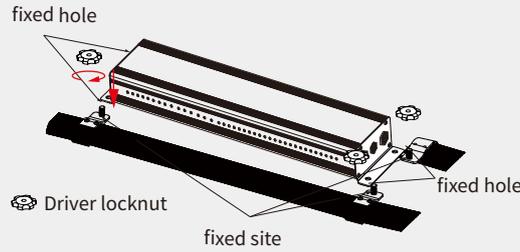| Height	Max PPFD
12"	1692
18"	1461
24"	1256
30"	1100
36"	985

Max PPFD: μmolm^{-2}s^{-1}

INSTALLATION MANUAL

STEP1: Open/unfold the light fixture until flat

STEP 2: Lock the driver on the fixed hole
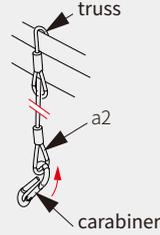
fixed hole

⊗ Driver locknut

fixed hole

fixed site

STEP 3: Hang the fixture on two trusses

hook ring

truss

truss

hook ring

hook ring

hook ring
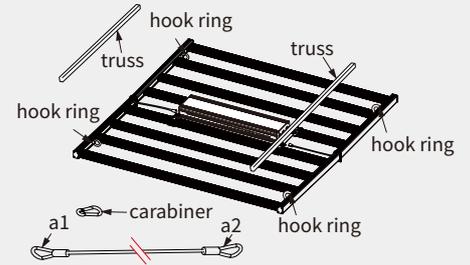
a1 — carabiner — a2

STEP 4: Pass the sling around beam and pass 'a2' through the loop 'a1'

truss

a2 — a1
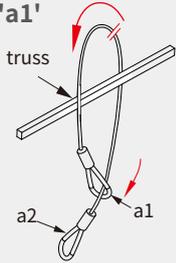
STEP 5: Buckle the carabiner to the loop a2

truss

a2

carabiner

STEP 6: Buckle the carabiner to the hook ring

carabiner

hook ring
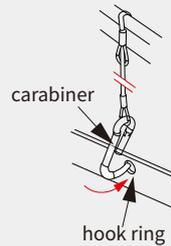
(7) Repeat the action on the other three sides

hook ring

hook ring

hook ring

hook ring
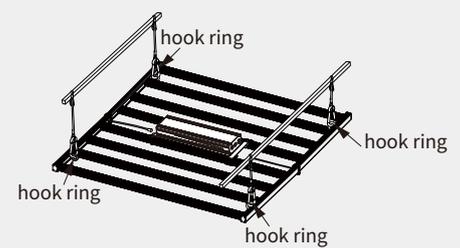
STEP 8: Driver input and output connection

#3 cable
#1 cable
input

output

#3 cable

input

#1 cable — — DC1 output

#3 cable

output

DC2 output —

#3 cable of another fixture

STEP 9: Use of daisy chain

#2 cable

Optional accessories, not included in package
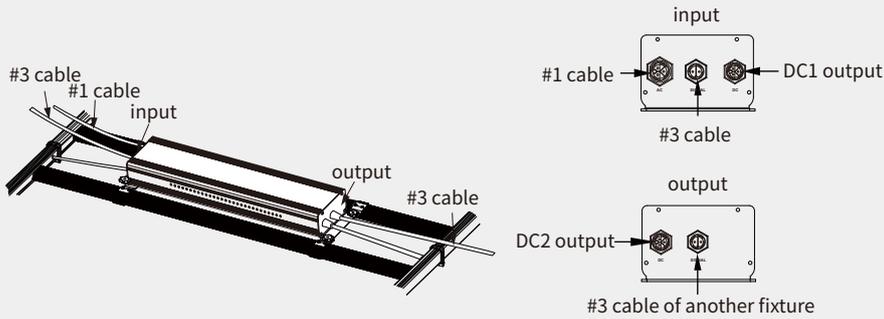
PACKAGE
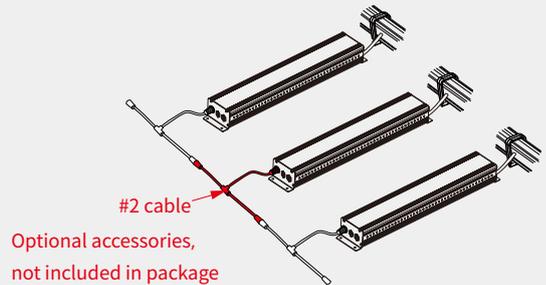
efinity®
LED GROW LIGHT

Item	QTY	Size	N.W/CTN	G.W/CTN
S840	1 PC	46.5x26.1x5.9 inch 118.1x66.3x15 cm	27.3 lbs 12.4 kg	33.6 lbs 15.3 kg

APPLICATION

Our **efinity** S840 LED grow light fixture is a high-performance full spectrum fixture designed specifically for indoor climate-controlled grow rooms and grow tents. We are fully confident that you will be very happy with the results you can achieve growing your crops with this highly advanced and innovatve 840W LED grow light product.

Hanging Height: For the best results in the bloom stage of growth, we recommend hanging our **efinity** S840 LED grow light fixture 1ft above your crop canopy.

Layout design: We can provide you with custom-designed light layouts for your facility upon request.

ENVIRONMENT

The product is intended to be used in indoor climate-controlled grow rooms and grow tents. The product cannot be used outdoors. The product functions optimally when the ambient temperature is between 0-40℃.

• Due to our continuous program of product development, data is subject to change without notice.