



ecogrow

ecogrow 630W

LED GROW LIGHT

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

APPLICATION

ecogrow 630W is professional designed with super high efficacy $2.7\mu\text{mol}/\text{J}$ and super high PPFD, It's a full cycle grow light and effectively promotes boom flower.

2.7
 $\mu\text{mol}/\text{J}$

1701
 $\mu\text{mol}/\text{s}$

Far Red
730nm

IP66

5
years
warranty

ETL
Intertek
5018678

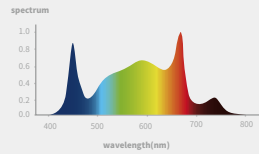
FEATURES

Dimmable driver



0-100% brightness adjustmen

Full-Spectrum, High efficiency spectrum



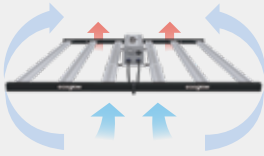
High quality chips

Controller auto dimming



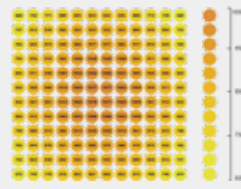
optimized control

Even heat distribution



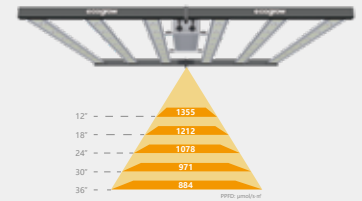
6-bar metal design for efficient heat dissipation

High photon uniformity



Plant growth uniformity

High PPFD

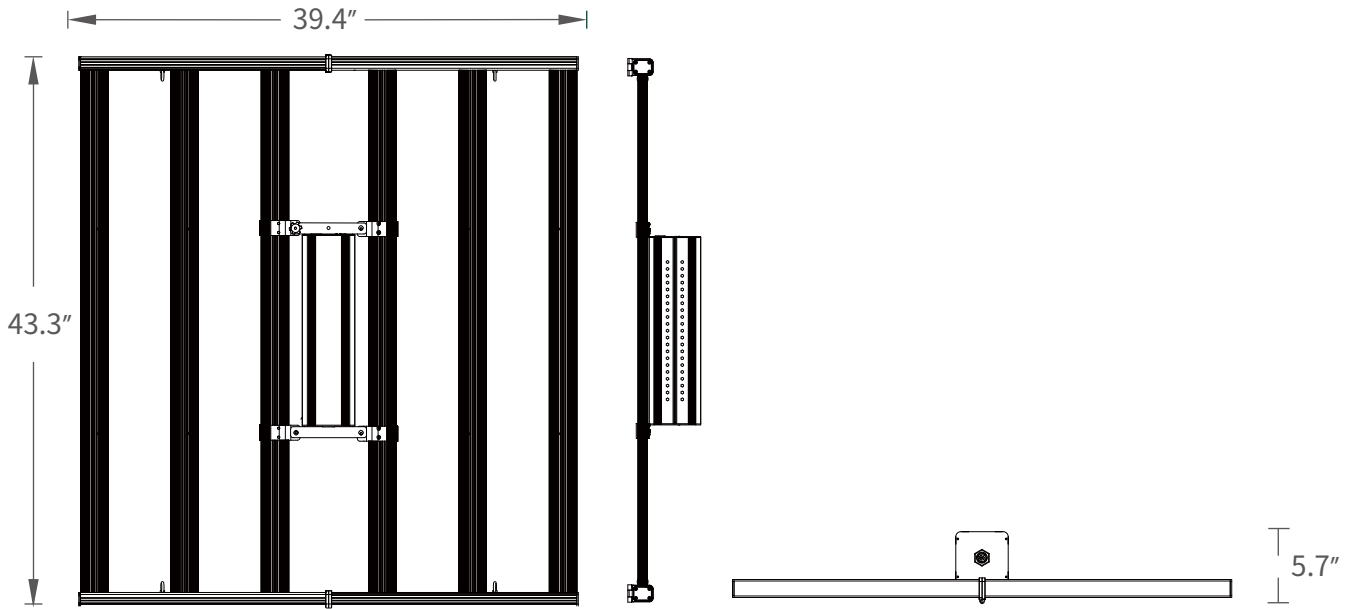


Plant growth uniformity

SPECIFICATION

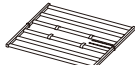
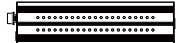


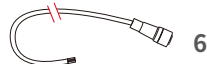
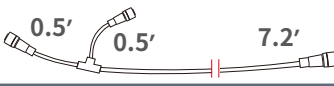



Model No.	ZSC-ID-BZ630-HV, ZSC-ID-BZ630-SV
Lamp size	43.3 x 39.4 x 5.7inch
Spectrum	Full Spectrum
Rated Wattage	630W @ 277V
AC input voltage	110 - 277V, 277 - 480V
Power factor	> 0.95
PPE	2.7 $\mu\text{mol}/\text{J}$
Total PPF	1701 $\mu\text{mol}/\text{s}$
Light distribution	120°
Thermal management	Passive
Function	0-10V dimming
Mounting height	≥ 6 inch above canopy
Coverage	4ft x 4ft
Warranty	5 years warranty
IP rating	IP 66
Lifetime	> 50,000hrs
LED fixture weight	12.5lbs
Driver weight	7.82lbs

DIMENSION

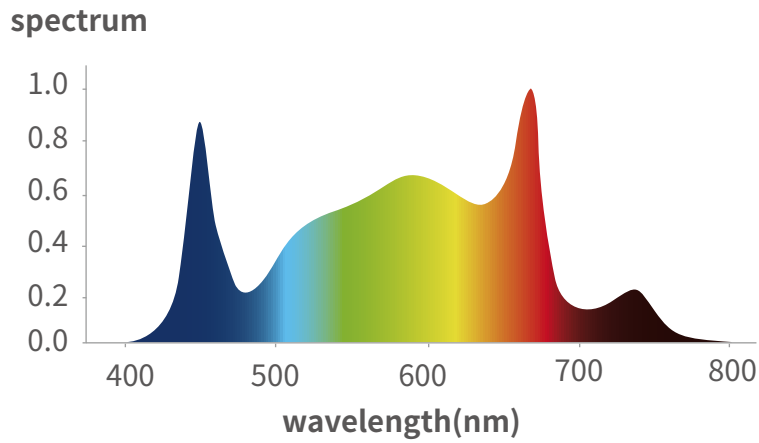


FIXTURE & ACCESSORIES



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

SPECTRUM



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 > 1ft



Flowering to Harvest Height > 6inch



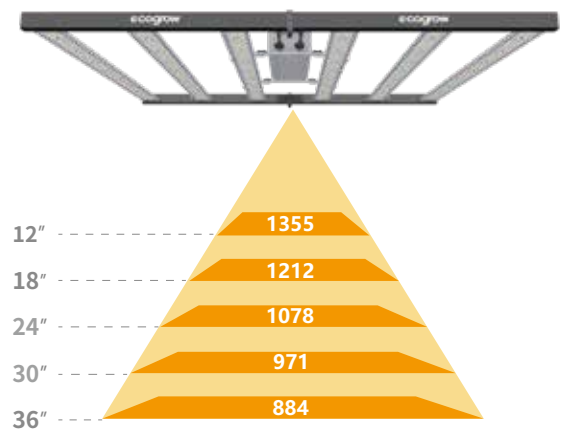
PPFD DISTRIBUTION



4' X 4' = 901 $\mu\text{molm}^{-2}\text{s}^{-1}$ average PPFD-2ft height

EFFICACY

Efficacy up to 2.7 $\mu\text{mol/J}$

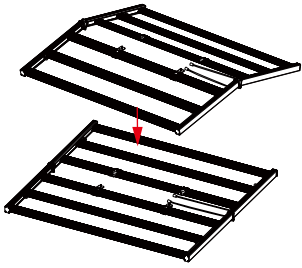


Max PPFD: $\mu\text{molm}^{-2}\text{s}^{-1}$

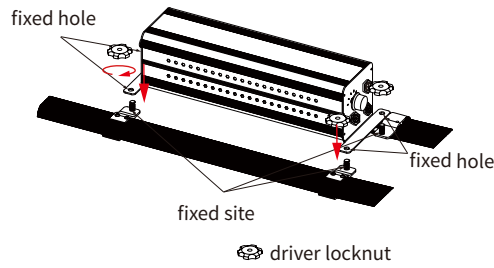
Simulation/Test PPFD data under 4' X 4' tent

INSTALLATION MANUAL

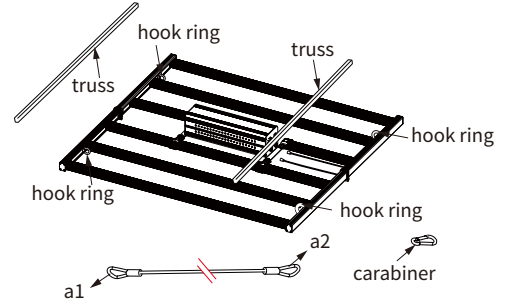
STEP1: Open/unfold the light fixture until flat



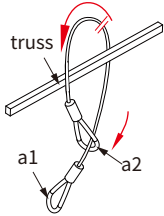
STEP2: Lock the driver on the fixed hole



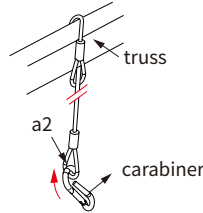
STEP3: Hang the fixture on two trusses



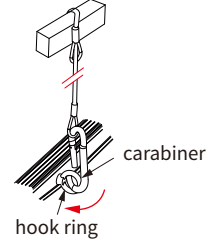
STEP4: Pass the cable around truss and pass 'a2' through the loop 'a1'



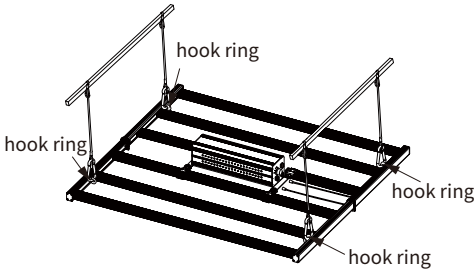
STEP5: Buckle the carabiner to the loop 'a2'



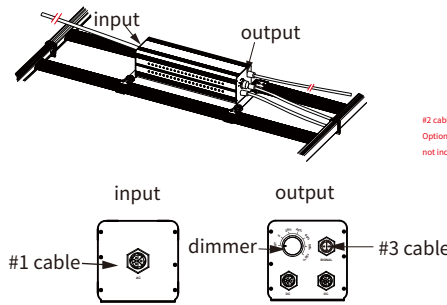
STEP6: Buckle the carabiner to the hook ring



STEP7: Repeat the action on other three sides

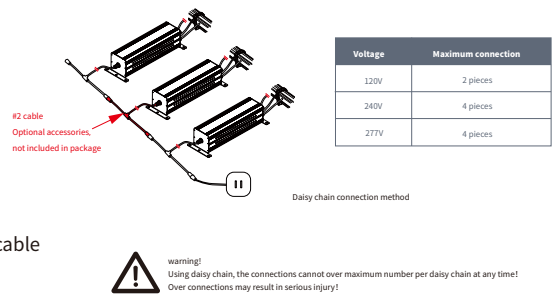


STEP8: Driver input and output connection



Option: daisy chain for AC input

Ecogrow630 can provide dedicated cable, the #2 cable, to realize AC input daisy chain function to reduce the cost of engineering. The #2 cable is an optional accessory, not included in this package. Please log on to website <https://www.efinityusa.com/> to purchase if necessary.



PACKAGE



APPLICATION

Our **ecogrow** 630W 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 innovative **ecogrow** 630W LED grow light product.

Hanging Height: For the best results in the bloom stage of growth, we recommend hanging our **ecogrow** 630W LED grow light fixture 1 ft 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 20-40°C.

Item	QTY	Size	N.W/CTN	G.W/CTN
ecogrow630W	1PC	45.7 x 25.2 x 5.5inch	23lbs	28lbs

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