



Top light 840W

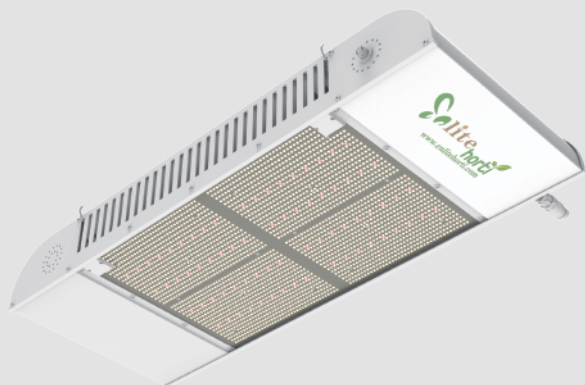
Optimize your commercial indoor and greenhouse cannabis cultivation with the cutting-edge TL-840W LED grow light. Designed specifically for the flowering stage of cannabis growth, this high-performance lighting solution offers an unparalleled combination of features to maximize yields and streamline your operations.

1-to-1 HPS Replacement: The TL-840W is engineered to be a direct, one-to-one replacement for traditional High-Pressure Sodium (HPS) lights, offering the same level of light intensity and coverage with significantly lower energy consumption. This efficient design saves you money on electricity costs while improve to highest level of performance for your cannabis cultivation.

High Red Spectrum & Extra 730nm Infrared: With a focus on the red spectrum, the TL-840W is specifically tailored for the cannabis flowering stage, promoting robust bud development, increased potency, and improved overall yield. The additional 730nm infrared light further enhances the process, stimulating phytochrome far-red receptors in the plant and expediting the flowering cycle.



Top light 840W



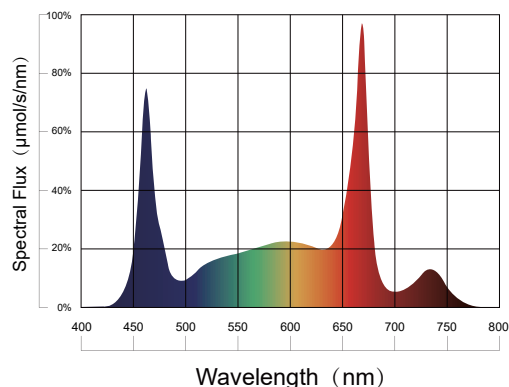
SPECIFICATIONS

Model	TL-840
Light Source	LED
PPF(400-700nm)	2310 $\mu\text{mol/s}$
PBAR (280-800nm)	2465 $\mu\text{mol/s}$
Input Power	840W
PPE(400-700nm)Efficacy	2.75 $\mu\text{mol/J}$
PBAR (280-800nm)Efficacy	2.97 $\mu\text{mol/J}$
Input Voltage	120-277V
Lifetime	>50,000 Hours
Dimming	0-10V
BTUs	2864
Mounting Height	3 - 4 ft
Fixture Dimensions	33" L x 14" W x 4" H
Fixture Weight	34.7lbs
Certification	ETL Certified & IP65, CE
Warranty	5 Year Warranty
Power Factor	>0.95

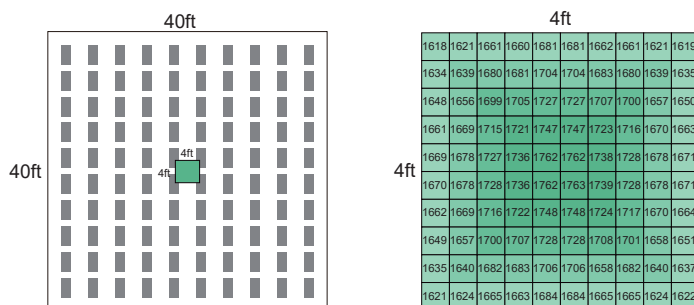
Max Amperage By Voltage Service

Voltage	120V	208V	240V	277V
Amperage	7.20A	4.08A	3.57A	3.10A
Series	Model	Input Voltage	Beam Angle	
Toplight	840W	120-277V	120°	

SPECTRA

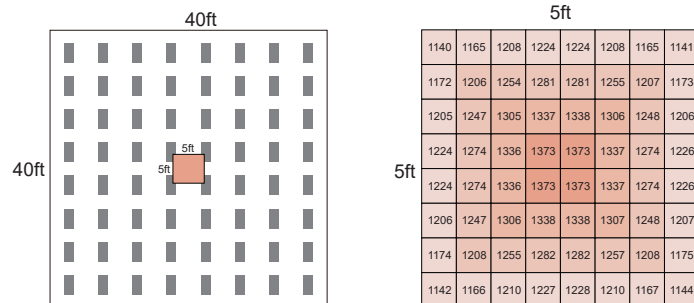


Uniformity (PPFD MAP)



Mounting Height: 3ft from canopy

Canopy dimension	40 x 40 ft	Max PPFD	1763 $\mu\text{mol/m-2/ s-1}$
Fixture Number	100 pcs TL 840W	Min PPFD	1618 $\mu\text{mol/m-2/ s-1}$
Each TL 840 Cover	16 sqft (4 x 4ft)	Average PPFD	1685 $\mu\text{mol/m-2/ s-1}$



Mounting Height: 3ft from canopy

Canopy dimension	40 x 40 ft	Max PPFD	1373 $\mu\text{mol/m-2/ s-1}$
Fixture Number	64 pcs TL 840W	Min PPFD	1085 $\mu\text{mol/m-2/ s-1}$
Each TL 840 Cover	25 sqft (5 x 5ft)	Average PPFD	1210 $\mu\text{mol/m-2/ s-1}$

DIMENSIONS

