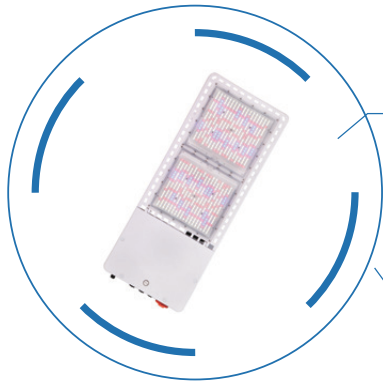
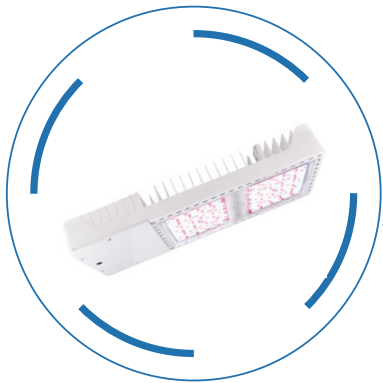


SPC TOP-LIGHT 2M 800W



Easy-to-install brackets [3x5ft or 4x6ft]

Efficacy of up to 3.0 $\mu\text{mol}/\text{J}$



Robust and compact design

SPC TOP-LIGHT *M is a full-cycle top-lighting solution for commercial cannabis cultivation, which finds its applications to a wide range of scenarios, from vegetative growth to high light intensities in bloom.

It is recommended that SPC TOP-LIGHT *M be deployed in environments where the CO² supplementation, due to high PPF levels, is between 1000-1600 ppm in the reproductive stage.

SPC TOP-LIGHT 2M is built on the basis of the SPA/SPB/SPCx PLUS performance of the previous generation.

Specifications

Light source	Philips&Sanan
Spectrum	SPF 4-FLW Indoor(TM)
Light Output PPF	2000-2080 $\mu\text{mol}/\text{s}$
Efficacy	2.5-2.6 $\mu\text{mol}/\text{J}@220\text{V AC}$
AC Output Power	800W@220V AC
AC Input Voltage	100-277V AC,50/60Hz
Light Distribution	120°
Mounting Height (Above Canopy)	24" -72" (600-1800mm)
Thermal Management	Passive
Max.Ambient Temperature	90°F/35°C
Dimming	10V-source&DALI control
Total Harmonic Distortion(THD) (Full Load)	<10%
Lifetime	L80:>50,000hrs
IP Rating	IP54
Controlled Environment	Indoor stacked or Non-stacked, Greenhouse, Top light
Certifications	ETL&cETL、FCC、IECE、DLC
Warrenty	5 years Stantard Warranty

Electric Specifications

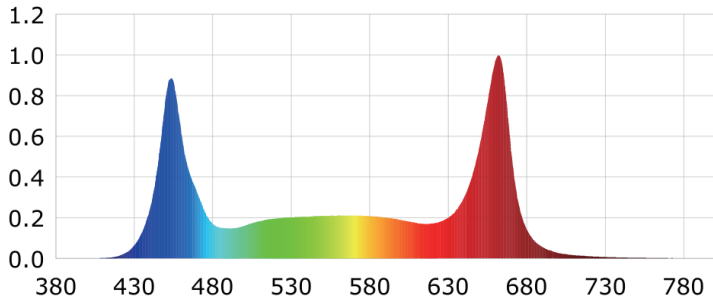
Ac Voltage	120V	208V	220V	277V
AC Current	6.67A	3.87A	3.66A	2.92A
AC power	799W	805W	806W	809W
Power Factor	0.98	0.98	0.98	0.98



Industry
Canada



Spectra



Family	Model	Spectrum	Input Voltage	Ac Power Cord
SPC TOP-LIGHT	2M 2m	SPF 4-FLW Indoor(TM)	1 100-277V	01 5ft(1.525m) 02 10ft(3.05m)

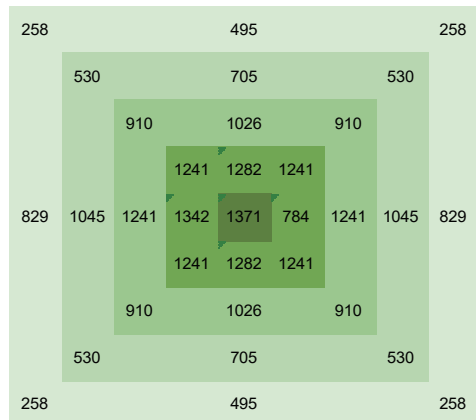
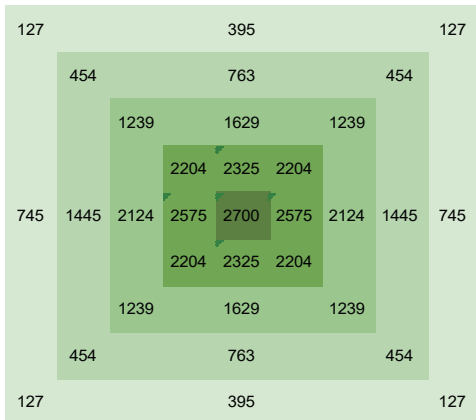
Standard accessories

AC Plug Type	Mounting Hardware	Packing
N5-15 NAME 5-15P N6-15 NAME 6-15P N7-15 NAME 7-15P N8-20 NAME 8-20P	SWR Steel Wire Rope MLS Manual Lifting Sling	S Single

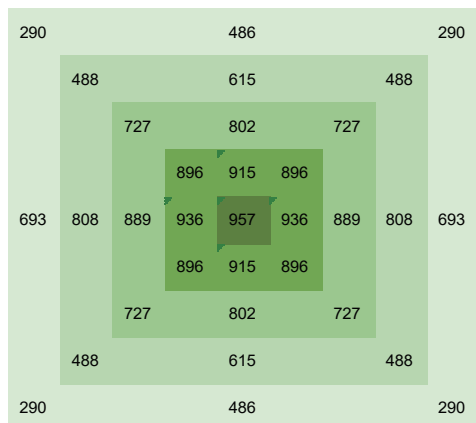
PPFD Layout

PPFD of SPC TOP-LIGHT 2M 800W

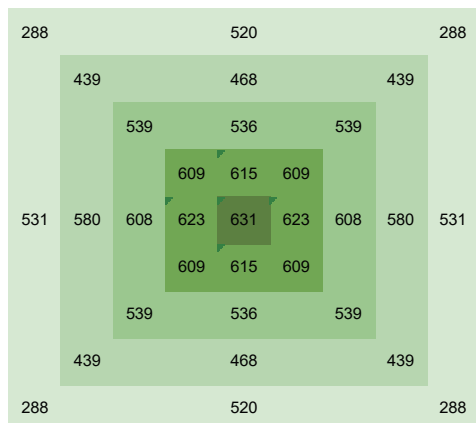
— (Bloom:800W) Footprint:4x6ft or 3x5ft



18"/1.5ft/457mm



24"/2.0ft/609mm



30"/2.5ft/862mm

36"/3.0ft/194mm

DALI Control System

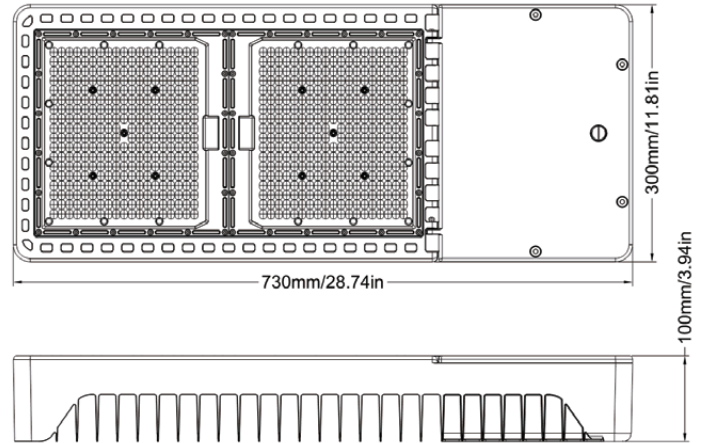


Controller

- When the LED grow lights can switch the spectrum, our controller can realize this spectrum switch.
- Four channels control.
- Power control.(0-100%)
- Scenario mode setting.
- Time-division power on switch control.
- Sunrise and sunset modes.
- Reduce power or turn off lights at high temperature.
- PPF settings.(Optional function)
- CO² PPM settings(Optional function)



Accessories



Dimension

Standard accessories

1	Power cord	5-15P/6-15P/7-15P/NAME 5-15P /NAME 6-15P/NAME 7-15P/NAME 8-20P
2	Instruction	
3	Wire rope chain or "V" hook	

Dimensions

Part	Length	Width	Height	Weight
Lamp outer box	33.07" (840mm)	14.57" (370mm)	7.09" (180mm)	N.W:17.5Kg(38.58lb) G.W:18.5Kg(40.79lb)

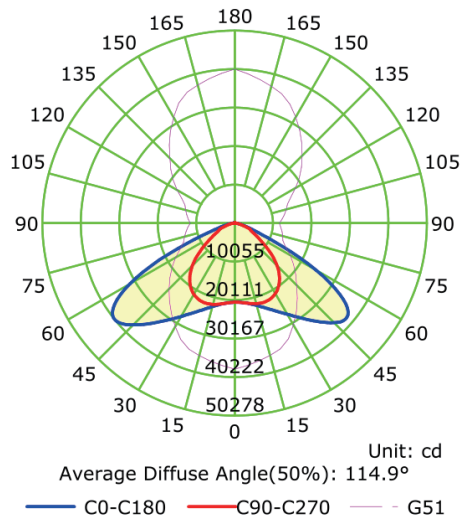
Light On/Off Suggestions

Seeding	20 hours/4 hours or 18 hours/6 hours
Vegetative	20 hours/4 hours or 18 hours/6 hours
Flowering	12 hours / 12 hours

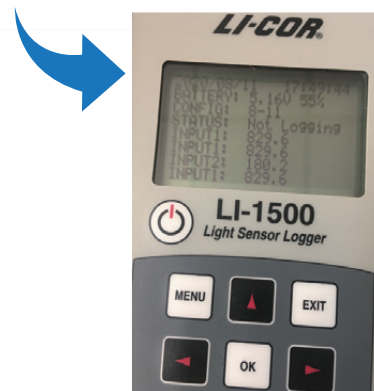
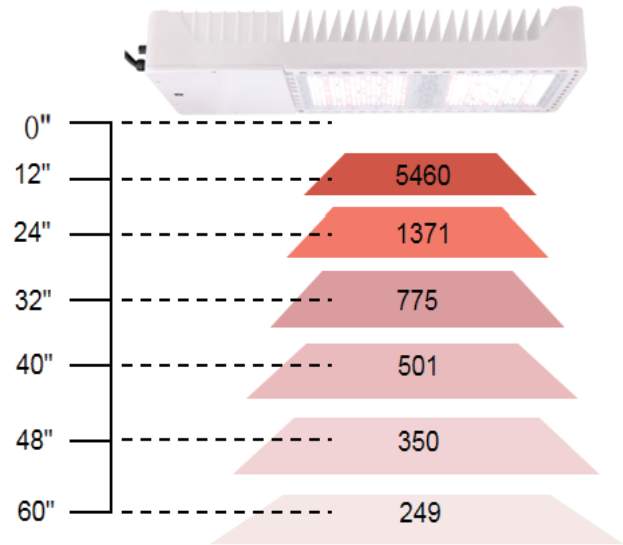
Tips

1	Recommended indoor working temperature: Daytime: 22-28 degrees/Night 20-22 degree
2	Recommended carbon dioxide concentration: 1200 to 1500 ppm.
3	Recommended hydraulic VPD: 1.0-1.49 kPa/Night: 0.8-1.2kPa
4	Recommended relative humidity: Leaf stage: 75-80%/Pre-Flowering stage: 60-70%/Late Flowering 50-55%

Luminous Intensity Distribution Curve



How to use SPC TOP-LIGHT *M grow light



In a grow tent, we used the scientific research-grade optical radiation standard test instrument of Li-Cor company in America to carry out practical tests. The data showed that the distance from the plant to the grow light's luminous surface was inversely proportional to the size of PPFD, i.e. the longer the distance is, the smaller the PPFD will be. If the distance between the plant and the lamp reaches 24", the PPFD maintenance rate will be reduced to about 25%, which means that about 75% of the light energy is lost. In other words, the utilization rate of the grow light is only 25%. If the distance is longer, the utilization rate of the lamp will be lower. It should be noted that if there is no reflective film in the surrounding environment of plant factories and greenhouses, PPFD will decline faster and the utilization rate will be lower. Therefore, the best range for the PPFD is between 12" to 24". Based on the above tests, it is not difficult to see that the distance between the plant and the luminous surface of the lamp is between 12 and 24 inches, which is the best PPFD acquisition range.