

PRELIMINARY SPECIFICATION

shinetoo®

LED Grow Light



Shinetoo LED Grow Lighting is a high-output, high-efficiency, full-spectrum, close-proximity lighting solution for indoor commercial cannabis cultivation. It is designed high-yield production with CO2 supplementation.

1,472 $\mu\text{mol/s}$



Jiaxing Shinetoo Lighting Co.,Ltd

Add: No.258, Xingchang Road, Xincheng Town, Xiuzhou District, Jiaxing, Zhejiang, China 314015
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Email: Sales@stledlights.com

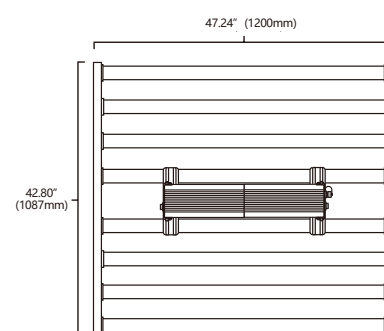
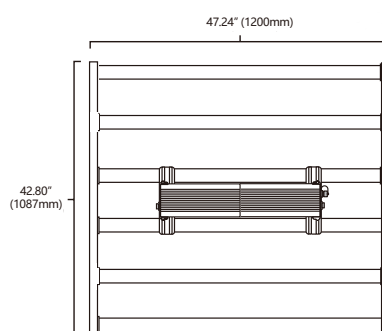
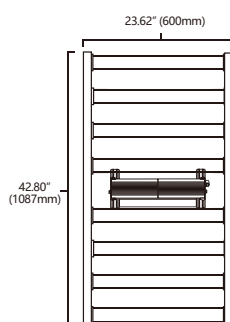
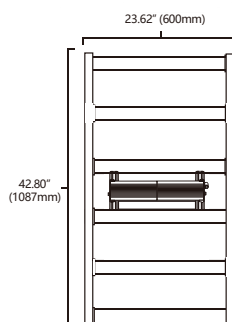


320W

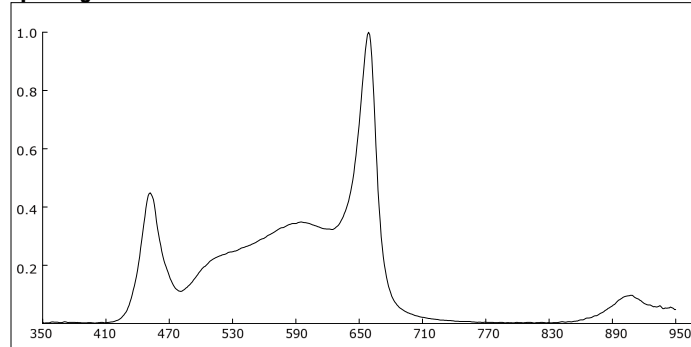
460W

640W

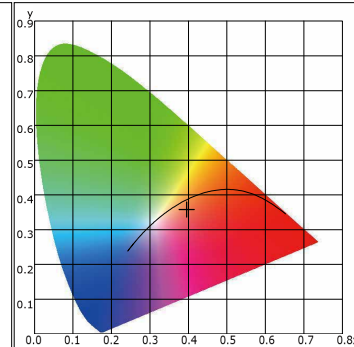
850W



Spectrogram



CIE1931



Model	ST-GL320PRO	ST-GL320E	ST-GL460PRO	ST-GL460E	ST-GL640PRO	ST-GL640E	ST-GL850PRO	ST-GL850E
Output Wattage	320W	320W	460W	460W	640W	640W	850W	850W
PPF (Light output)	832 µmol/s	736 µmol/s	1,196 µmol/s	1,058 µmol/s	1,756 µmol/s	1,472 µmol/s	2,261 µmol/s	1,955 µmol/s
PAR Efficacy	2.6 µmol/J	2.3 µmol/J	2.6 µmol/J	2.3 µmol/J	2.7µmol/J	2.3 µmol/J	2.66 µmol/J	2.3 µmol/J
Input Voltage	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Driver Brand	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics
Light Source	Samsung / OSRAM LEDs	China Brand	Samsung / OSRAM LEDs	China Brand	Samsung / OSRAM LEDs	China Brand	Samsung / OSRAM LEDs	China Brand
Dimming	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM
Power Factor	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
Material	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum
Thermal Management	Passive Cooling	Passive Cooling	Passive Cooling	Passive Cooling	Passive Cooling	Passive Cooling	Passive Cooling	Passive Cooling
Mounting Height	≥18"(45cm) Above Plant Canopy	≥18"(45cm) Above Plant Canopy	≥18"(45cm) Above Plant Canopy	≥18"(45cm) Above Plant Canopy	≥18"(45cm) Above Plant Canopy	≥18"(45cm) Above Plant Canopy	≥18"(45cm) Above Plant Canopy	≥18"(45cm) Above Plant Canopy
Warranty Lifetime	5 year / Q90 >36,000hrs	5 year / Q90 >36,000hrs	5 year / Q90 >36,000hrs	5 year / Q90 >36,000hrs	5 year / Q90 >36,000hrs	5 year / Q90 >36,000hrs	5 year / Q90 >36,000hrs	5 year / Q90 >36,000hrs
Certifications	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed
IP Rating	UL 1598, UL8800 -Wet location, CE-IP66 rated	UL 1598, UL8800 -Wet location, CE-IP66 rated	UL 1598, UL8800 -Wet location, CE-IP66 rated	UL 1598, UL8800 -Wet location, CE-IP66 rated	UL 1598, UL8800 -Wet location, CE-IP66 rated	UL 1598, UL8800 -Wet location, CE-IP66 rated	UL 1598, UL8800 -Wet location, CE-IP66 rated	UL 1598, UL8800 -Wet location, CE-IP66 rated
Ambient Temperature	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum
Dimensions / Weight	23.62" L×42.80" W×4.0" H (600mm L×1087mm W×102mm H)				47.24" L×42.80" W×4.0" H (1200mm L×1087mm W×102mm H)			

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1,472 μmol/s



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320W

23.62" (600mm)

42.80" (1087mm)

460W

23.62" (600mm)

42.80" (1087mm)

640W

47.24" (1200mm)

42.80" (1087mm)

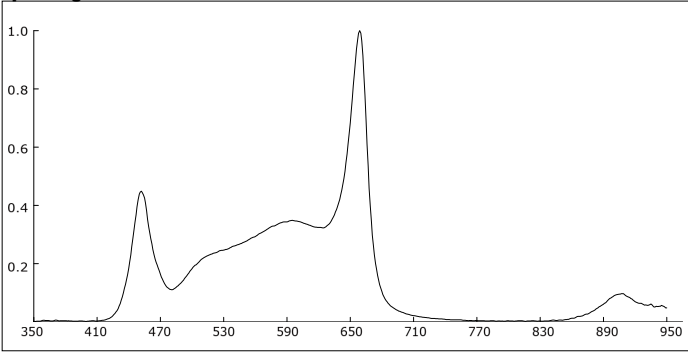
850W

47.24" (1200mm)

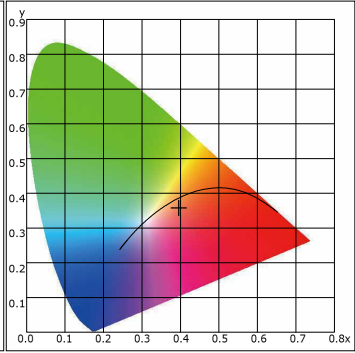
42.80" (1087mm)



Spectrogram



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Driver Brand	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics
Light Source	Samsung / OSRAM LEDs	China Brand	Samsung / OSRAM LEDs	China Brand	Samsung / OSRAM LEDs	China Brand	Samsung / OSRAM LEDs	China Brand
Dimming	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM
Power Factor	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
Material	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum	6063Aluminum
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Certifications	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed	UL8800 / ETL / CE / RoHS Standards / DLC Listed
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Ambient Temperature	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum	95°F / 35°C Maximum
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