



LED Grow Light

Model: SZ-GL320W

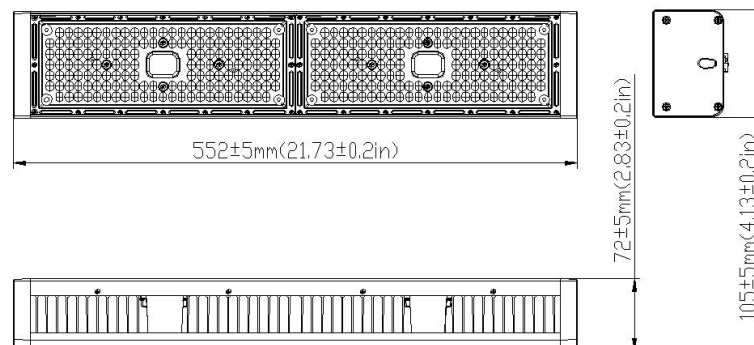
Advantage:

- ETL certificate
- Input voltage 120-277V or 200-480V
- No UV or IR in the beam
- Output constant current lever can be adjusted through output cable with 0-10V
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury.

Application:

Green House;
Vertical Farming;
Marijuana Cultivation.

Dimmensions:mm



Specifications

Optical

Input Power (Tolerance: $\pm 10\%$)	320W
Photosynthetic photon flux (Tolerance: $\pm 10\%$)	768 $\mu\text{mol/s}$
Luminous Efficacy(Tolerance: $\pm 5\%$)	2.4 $\mu\text{mol/J}$
Spectrum	Indoor Spectrum
Distribution Pattern	Type II
Beam Angle (50%) (Tolerance: $\pm 15\%$)	125*90 Degree
CRI	>80

Electrical

Input Voltage	120-277V or 200-480VAC 50/60Hz
PF (Tolerance : -3%)	≥ 0.9
THD(Tolerance : +5%)	$\leq 20\%$
Driver Brand	China brand driver
Bluetooth	Bluetooth SIG MESH
Dimming Connector	RJ-11, RJ-12, RJ-14, RJ-45
Driver Surge protection	L/N-PE: 4KV, L-N: 6KV
Dimming	0-10V Dimming standard, Knob Dimming

Materials

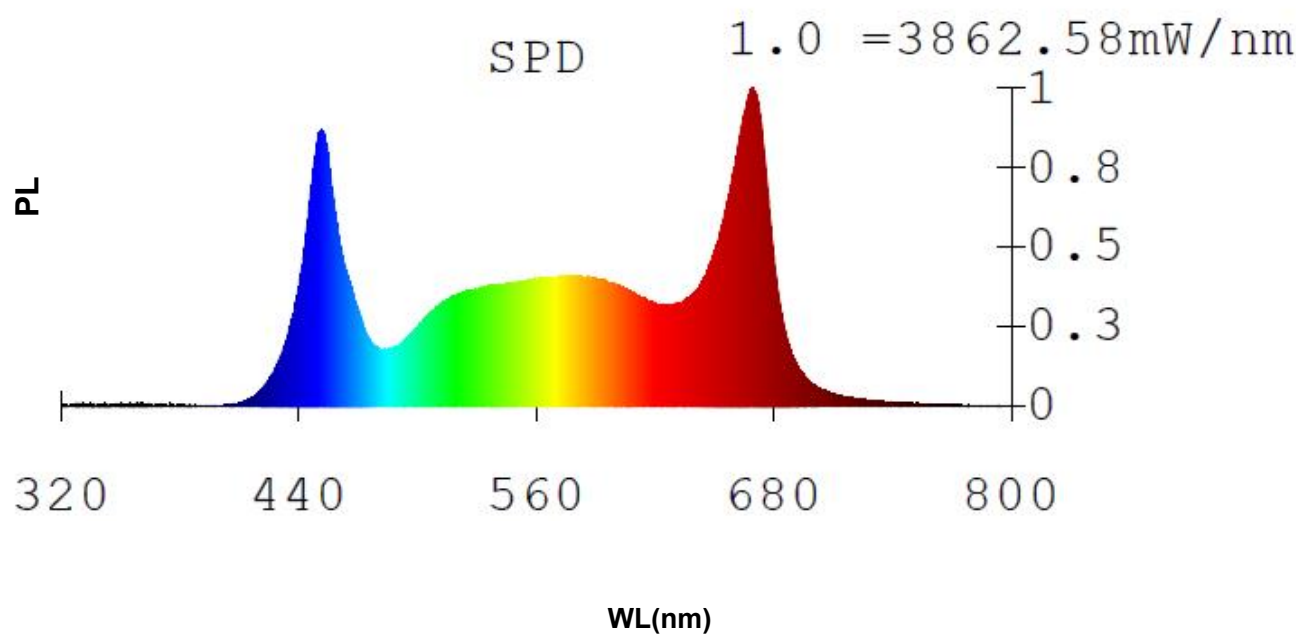
LED Brand	Lumileds(white)+China brand leds(red)	
Housing	Aluminum Alloy+PC	
Housing Color	Silver or Customized	
Waterproof Rating	DAMP/WET	
Use environment	Indoor/Greenhouse	Non stacked
Lighting scheme	Top light	supplemental
LED Brand	Lumileds(white)+China brand leds(red)	

Other

Operating Temperature	-40°C TO 45°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C TO 80°C
Storage Humidity	10%-95% RH
Safety Certification	ETL
Warranty Time	5 years

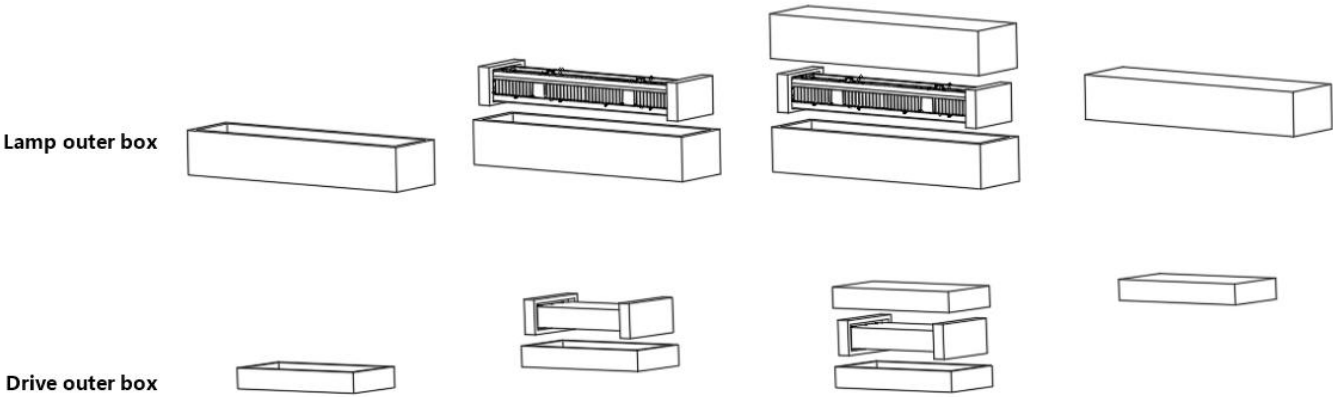
Spectrum

Indoor Spectrum



Package

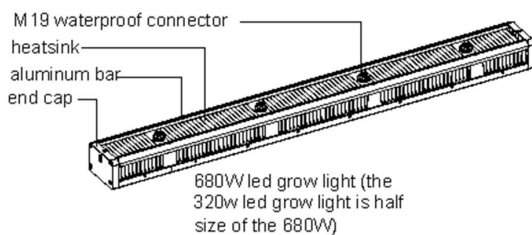
Model	Net Weight	Carton Size	Qty / Carton	Gross Weight
Lamp Outer box	2.95Kg	23.62*6.1*6.1"	1 PC	3.8Kg
Driver Outer box	15.5Kg	13.78*11.81*8.67"	10 PCS	17.4Kg



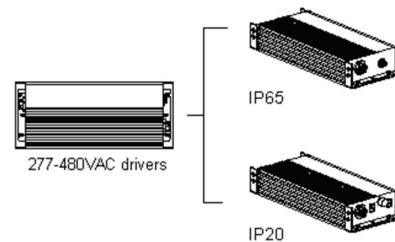
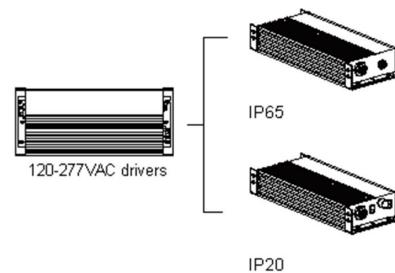
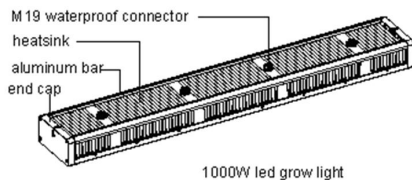
LED Grow light Installation Instruction

Cautions:

1. Do not look directly at the lighted fixture when wearing no eye protection device.
2. Do not disassemble, modify or repair the fixture.
3. Do not knock or drop this fixture, repeated knocking may cause internal damage.
4. Turn off the power when installing this fixture.
5. Make sure the fixture is properly grounded to avoid any product failure or electric shock.
6. Please abide by related national, regional and local law and regulations when installing this fixture.

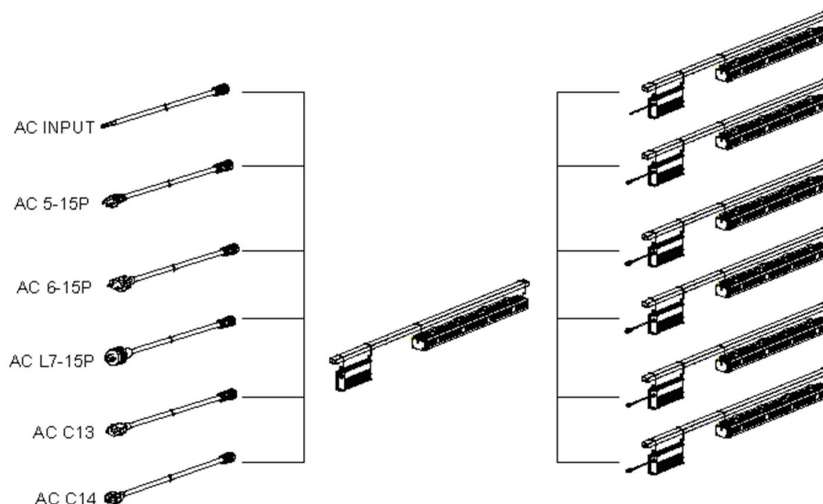


1. 120-277VAC driver and 220-480VAC driver optional
2. The IP rating of the fixture corresponds to the IP rating of driver.

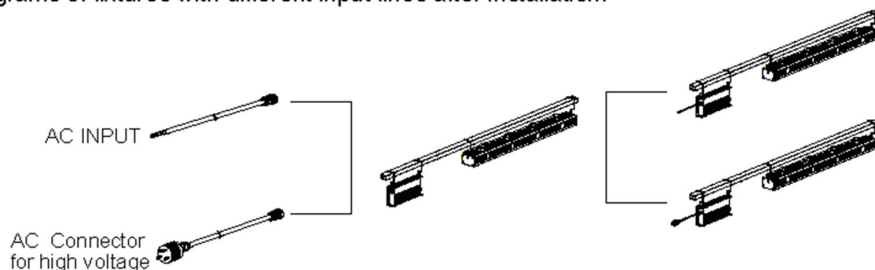


Optional AC input lines and installation diagrams

1. fixture with AC120-277V, there are 6 different kinds of AC input lines to choose from, the following are schematic diagrams of fixtures with different input lines after installation.



2. fixture with AC277-480V, there are 2 different kinds of AC input lines to choose from, the following are schematic diagrams of fixtures with different input lines after installation.



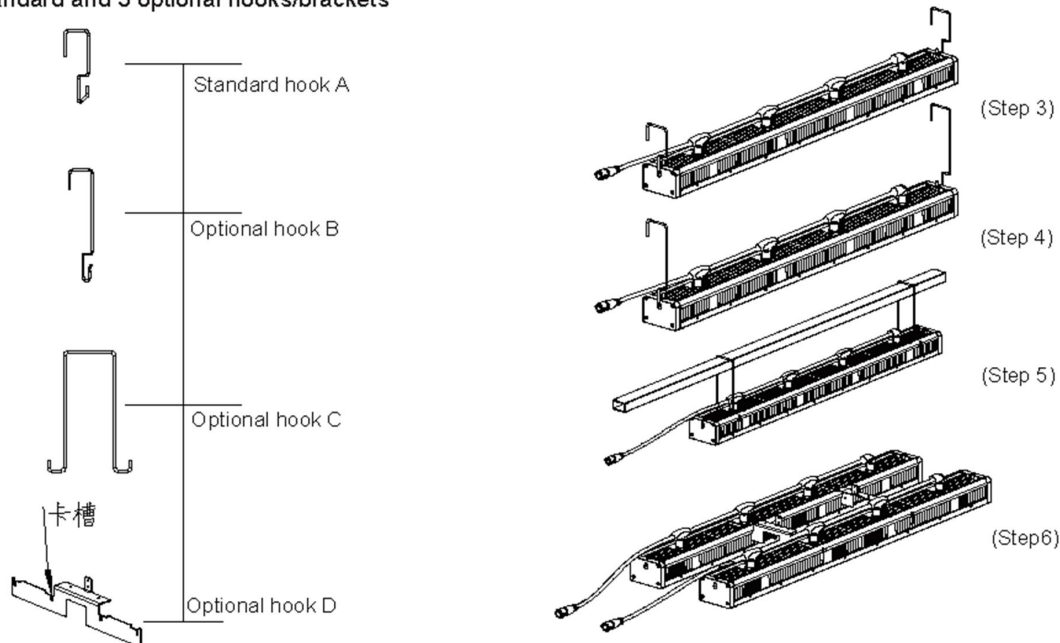
DC input line and installation

1. Unpack and take the fixture out and place it on a flat, stable place. (Step 1)
2. Plug the DC input lines on the M19 waterproof connector of the fixture, and make sure all four waterproof connectors are plugged properly. (Step 2)



Optional installation hooks and relevant installation instruction

1 standard and 3 optional hooks/brackets



Installation methods for different hooks

1. Installation for standard hook A

- 1) Take out the standard hook A.
- 2) Hang it into the round hole of the left and right end cover of the fixture. (Step 3)

2. Installation for optional hook B

- 1) Take out the optional hook B.
- 2) Hang it into the round hole of the left and right end cover of the fixture. (Step 4)

3. Installation for optional hook C

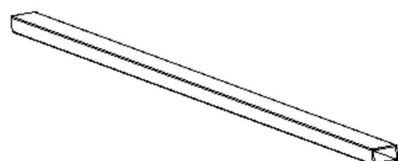
- 1) Take out the optional hook
- 2) Hang the optional hook C on the steel overhanging beam.
- 3) Hold the hook slightly with your hand, insert the hook into the heatsink of the fixture, and make sure the hooks are properly hooked on both sides of the aluminum bars of the fixture. (Step 5)

4. Installation for optional hook

- 1) Take out the optional hook
- 2) Align 2 fixtures and lay them flat.
- 3) Clamp the fixture into the slot of the fixture bracket. (Step 6)

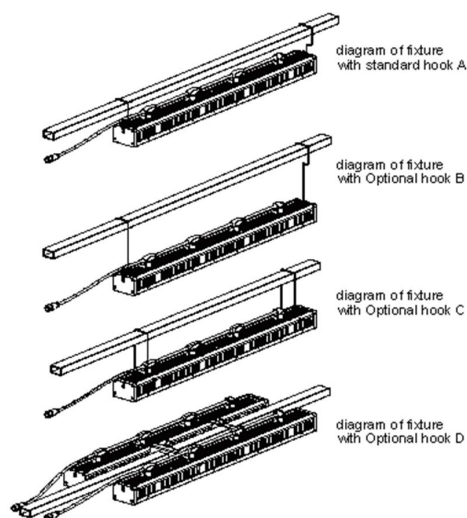
Diagrams of fixtures with hanging installation

Hang the fixture on the steel overhanging beam of the greenhouse at the customer's desired height. As shown in the diagram on the right. (Step 7)



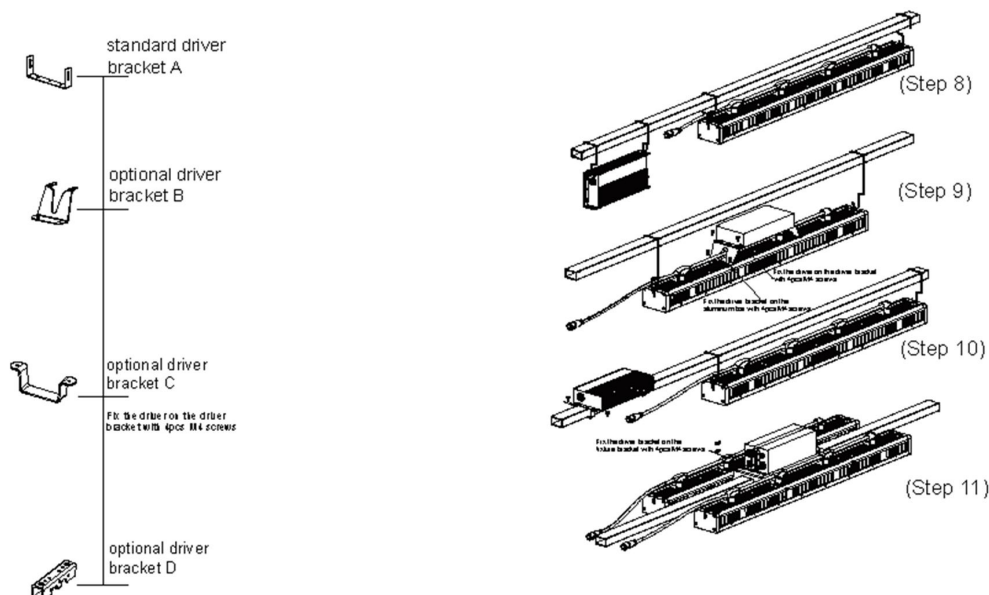
The width of the customer's steel overhanging beam should be less than or equal to 50MM.

(Step 7)



Optional driver brackets and relevant installation instruction

1 standard and 3 optional driver bracket



Installation methods for different driver brackets

1. Installation for standard driver bracket A

- 1) Take the driver out, the standard driver bracket A is already fixed on the driver.
- 2) Hang the standard driver bracket A on the steel overhanging beam with standard hook A. (Step 8)

2. Installation for standard driver bracket B

- 1) Take the optional driver bracket B out.
- 2) Fix the driver bracket B on the driver with screws.
- 3) Fix the driver bracket B and the aluminum bar of the fixture with screws (Step 9)

3. Installation for standard driver bracket C

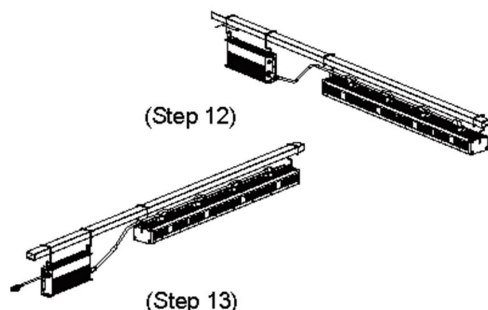
- 1) Take the optional driver bracket C out.
- 2) Wrap the steel overhanging beam with driver bracket C, put the driver on the steel overhanging beam and fix it with screws (Step 10)

4. Installation for standard driver bracket D

- 1) Take the driver out, the optional driver bracket D is already fixed on the driver.
- 2) Fix the optional driver bracket D on the mounting bracket of the fixture with screws. (Step 11)

DC & AC input line and installation diagram

1. Plug the DC output line of the fixture into the DC connector of the driver. (Step 12)
2. Plug the AC input line into the AC connector of the driver and light up the fixture. (Step 13)



Extended Solutions

If the dimming controller to be connected, plug the network cable into the driver port RJ12/M12-3P. (Step 14)

