

Specification sheet

LED GROW LIGHT



PRODUCT DESCRIPTION

Fulton develop GL fixtures to maintain high standards in quality, efficiency and return on investment. The LED market is becoming more mature. eagle grow light adopts a foldable structure design, which can effectively protect the lamp beads and is easy to install.

FEATURES:

- Over 3.4 umol per joule efficiency
- Delivers 15% more light to the plant canopy while using 35% less power than a 28W DE fixture
- Tailored spectrum produces desirable crop traits 11 year diode life operating 12 hours per day
- 5 year warranty
- Highly reflective panels redirect photons back to canopy to increase PPF by 2% versus bar style fixtures
- Strategic diode placement increases uniformity of light delivery to canopy
- Fulton Light Output Control to precisely control PPF output when paired with controller
- Low profile maximizes vertical growing space with remote capable drive
- 100-277V Driver options
- Damp location rated protection against water and dust
- Zero maintenance

APPLICATIONS:

- Vegetable and fruit planting
- Flower cultivation
- City farming



ORDERING:

Manufacturer	Family	Series	Watts	Length	SPECTRUM	Input Voltage
FLT	GL	V/P/O	01~99	06/09/10/12/15	SPV1\2\3\4	H/V
=Fulton	=Grow light		*	06 = 2 ft 09 = 3 ft 12 = 4 ft 15 = 5 ft		H=100-277V V=347-480V
*	01=1W /03=3W/ 05=5W / 08=8W					
*	10=10W / 12=12W / 30=30W / 50=50W					

*Please contact your Fulton representative to order products that don't have order codes listed here or any info required

*Due to continuing product improvements, Fulton reserves the right to change the specifications without notice.



Standard

Technical specifications (Ta=25 °C)

Model	FLT-GLP-08L06	FLT-GLP-18L12	FLT-GLV-22L15
Spectrum	SPV1/SPV2/SPV3	SPV1/SPV2/SPV3	SPV1/SPV2/SPV3
Input Power	8W	18W	22W
Weight	0.55 Lbs	0.80 Lbs	0.95 Lbs
AC Input Voltage	120-277V/277-480V AC Auto Recognition, 50/60Hz		
Thermal Management	Passive		
Dimming	None		
Driver	FULTON Driver		
Power Factor	≥0.92		
THD	≤10%		
Beam angle	120°		
Max. Ambient Temperature	95° F / 35° C		
IP Rating	IP65		
Mounting Height	8"– 18"(20cm~60cm) Above Canopy		
Average Lifespan Ta25°C	Q90: >50,000 hours		
Warranty	5 years		
Standard	ETL、DLC、CE		

- *Note: 1) The PPE parameters of different spectra are different.
 2) PPF tolerance $\pm 5\%$.
 3) The above data are tested by Fulton instruments.

Optimal combination of optical output & 1.2m

Spectrum	Deep Red	Deep Red / Blue / Low Blue	Deep Red / White / Low Blue	Deep Red / White / Mid Blue	Deep Red / White
PPE (umol/J) .max	3.4	3.2	3.0	3.0	2.6
PPF (umol/s) .@28W	60	57	54	54	46

NOMINAL ELECTRICAL AC INPUT*

AC VOLTAGE	120V	208V	220V	230V	240V	250V	277V
AC Current	0.16A	0.09A	0.09A	0.08A	0.08A	0.07A	0.06A
AC Power	19.2W	18.9W	18.7W	18.6W	18.5W	18.4W	18.2W
Power Factor	0.939	0.933	0.931	0.930	0.927	0.925	0.927

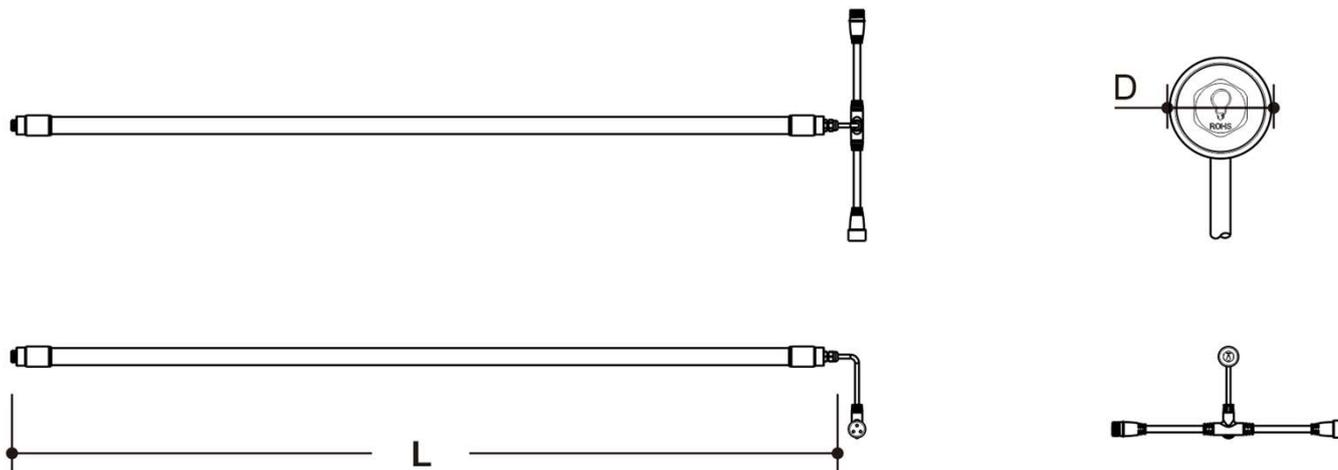
*Note: At 77 ° F(25° C) ambient temperature

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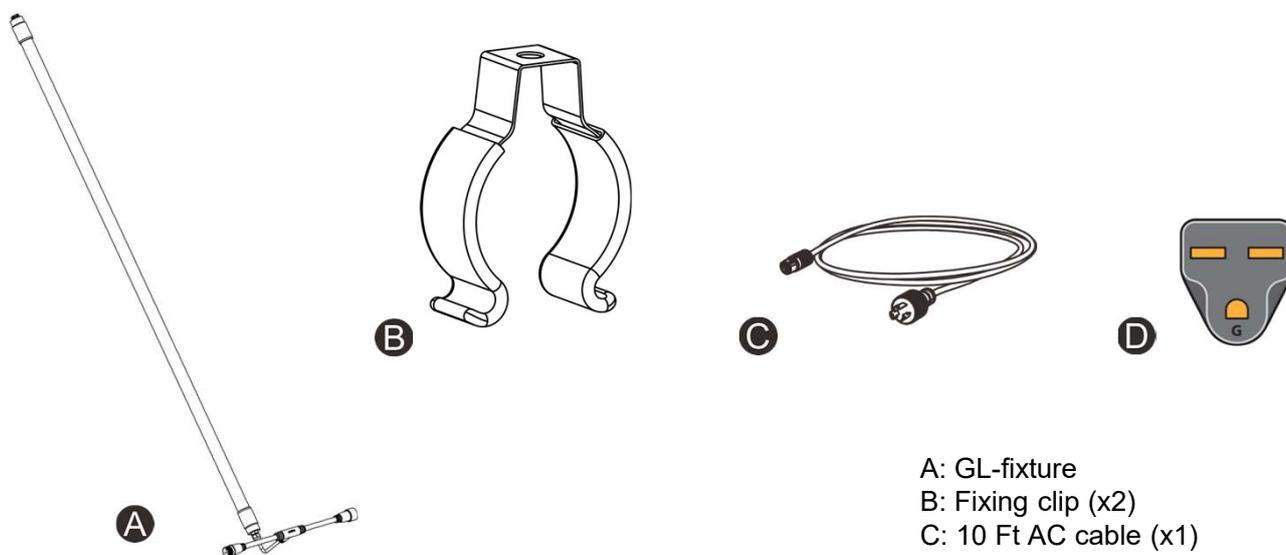
PRODUCT DIMENSION

Folding type:



Item	Watts@Max	Dimension(L*ØD):Inch	
FLT-GLV-08L06	8W	23.6	1.1
FLT-GLV-18L12	18W	47.2	1.1
FLT-GLV-22L15	22W	59.0	1.1

PARTS LIST / Optional accessory



- A: GL-fixture
 B: Fixing clip (x2)
 C: 10 Ft AC cable (x1)

CAUTION

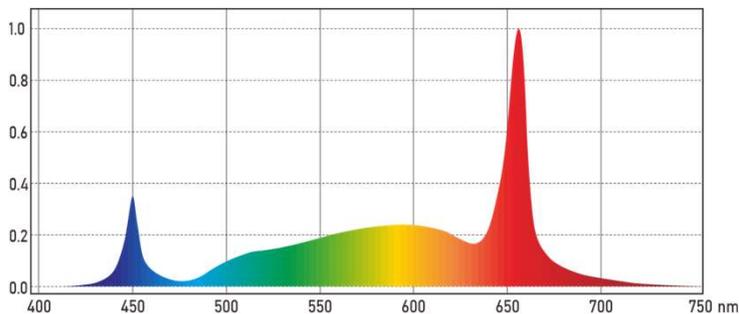
- Avoid looking directly at the light source when the lamp is on.
- Count the small parts and recycle or dispose of packaging materials properly.

SPECTRA

Fulton GL series grow light is a full-cycle top-lighting solution for commercial horticulture cultivation, with the power to scale from vegetative growth to bloom. Angle is 120°; The spectrum can be customized according to customer requirements.

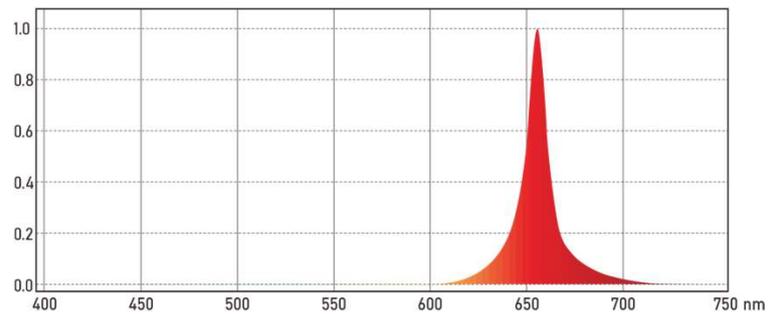
SPP1 Spectrum / Application:

Common spectrum SP1, with UL photo biological safety certification.



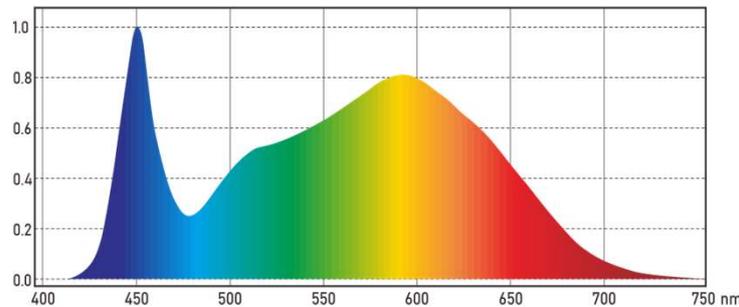
SPP2 Spectrum / Application:

Common spectrum SP2, with UL photo biological safety certification.



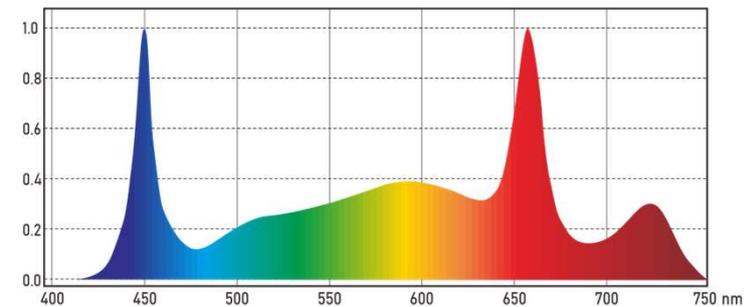
SPP5 Spectrum / Application:

Common spectrum SP3, with UL photo biological safety certification.



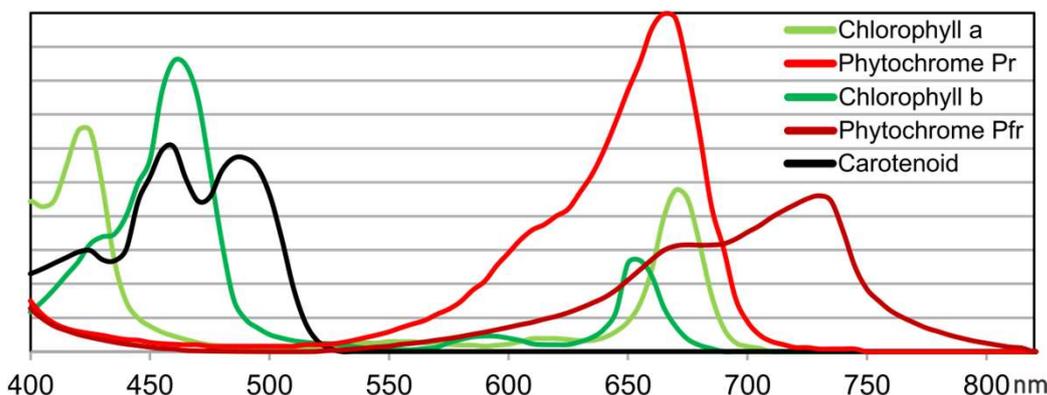
SP9 Spectrum / Application:

Common spectrum SP4, with and IR light, with UL photo biological safety certification..



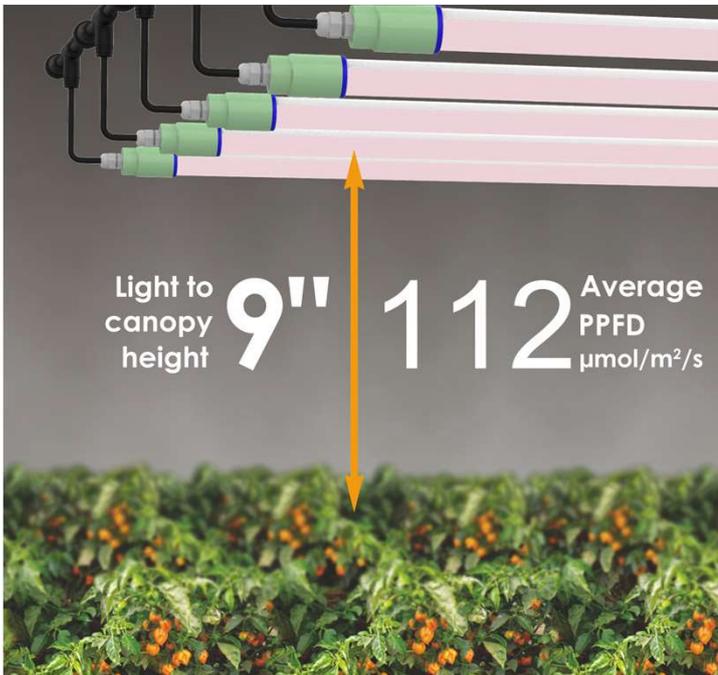
SP5 Spectrum / Application:

Customer can defined special spectrum. Support customer ODM.



PPFD Reading

Mount the light bars at least 1' from the top of your canopy for optimal light efficiency and uniformity. Always allow for adequate ventilation of fixture. The rope ratchet kit provided with luminaire.

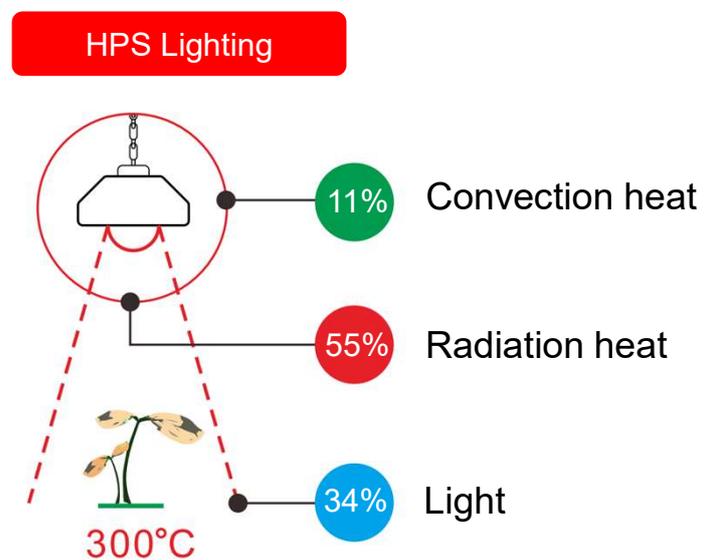
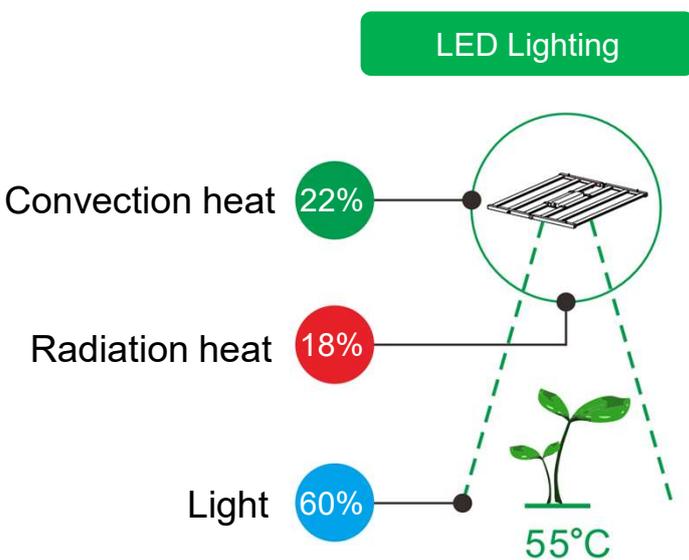


Two light bars in a 2 ' x 4 ' grow shelf

92	100	102	103	103	102	101	93	12"
114	124	127	128	128	127	125	115	4"
114	126	128	129	129	129	126	116	4"
92	100	103	104	104	103	101	93	12"
24"	17"	10"	3"	3"	10"	17"	24"	

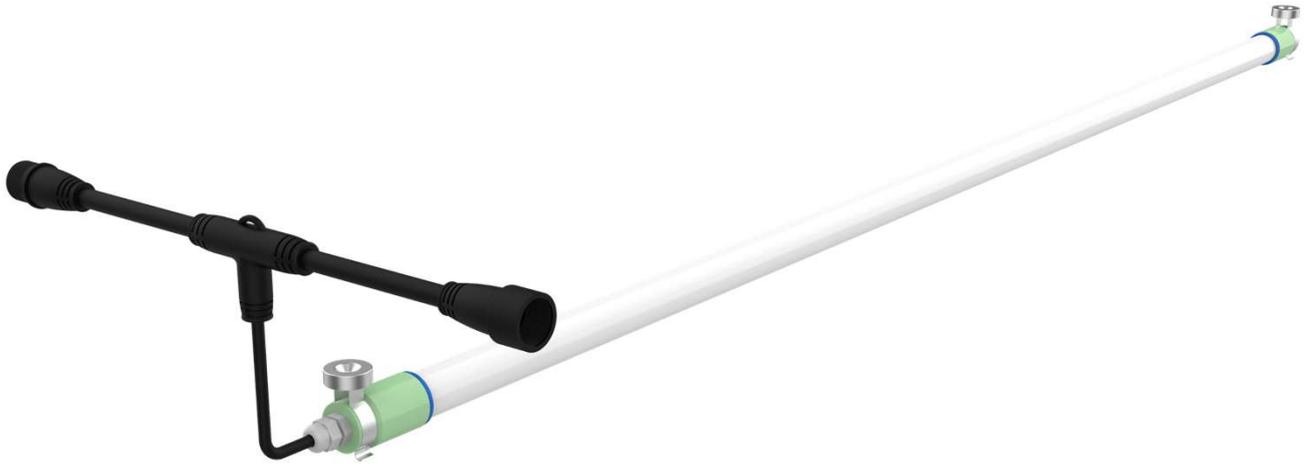
Energy Balance

Energy saving 35%, but more light output, more than 15%

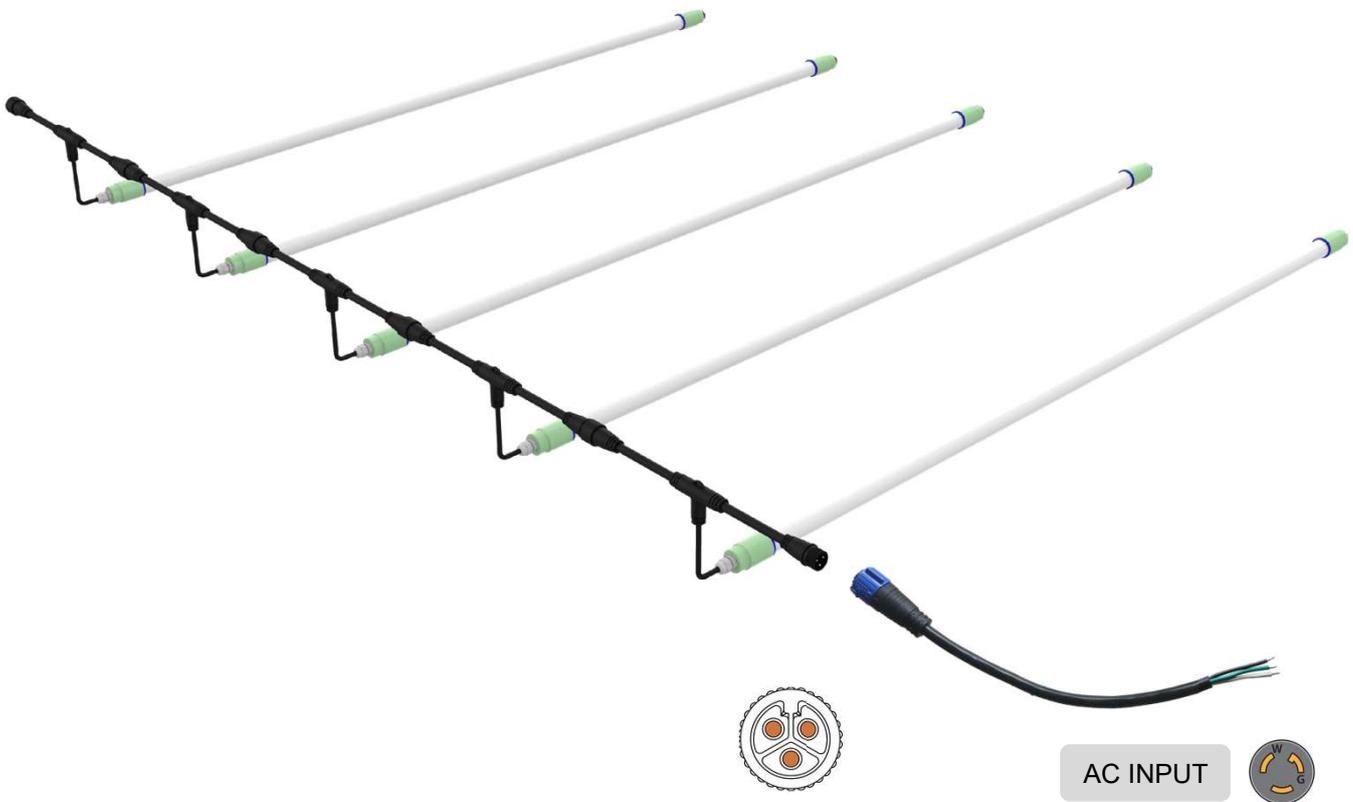


Cascading Solutions

Ability to ease plant transition from veg to flower stages. The system dimming can be used to lower the light output or turn the system off.



No dimming function: According to different growth periods of cannabis, choose different quantities.



Connecting multiple fixtures

120V	<50 pcs
240V	<80 pcs
277V	<90 pcs

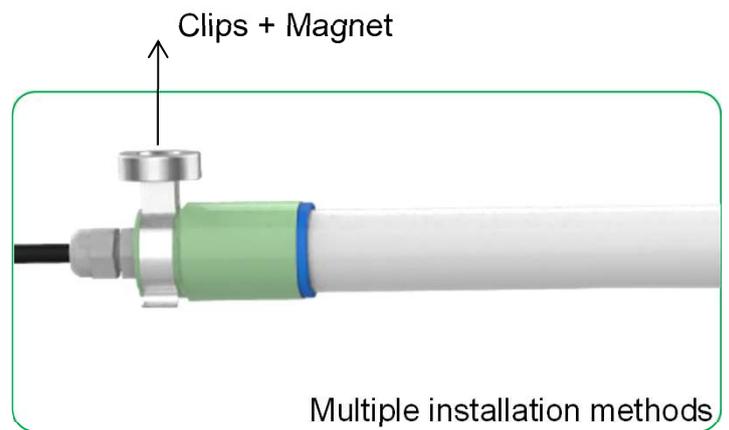
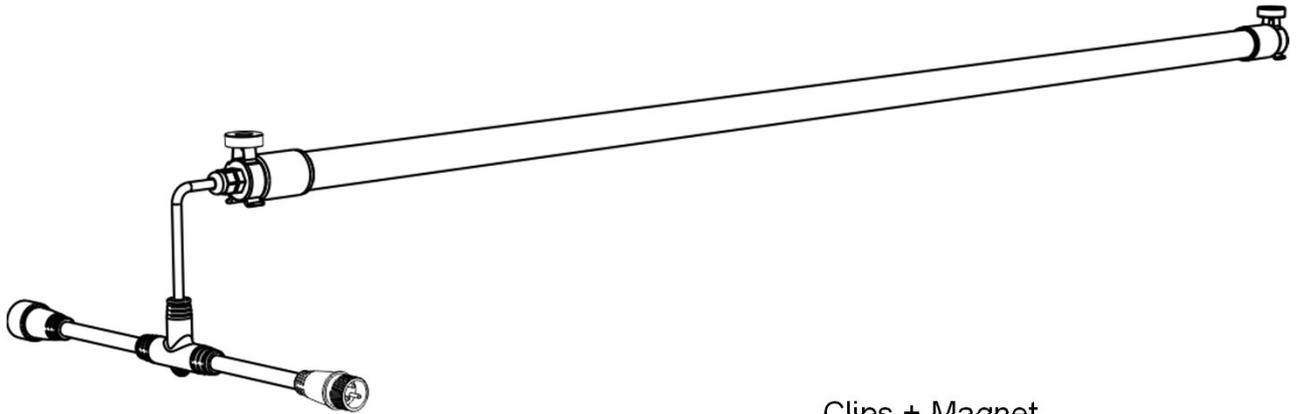
Wiring diagram

Cautions:

Before installation, be sure to cut off electricity to avoid electric shock. This is one end wiring LED grow light light with build-in driver. Powered by the voltage labeled on the LED grow light , no need to add other drivers.

Operation Notes:

When used with a generator, a line adjustment device that controls the input voltage must be used to avoid damage to the fixture. This product is not suitable for residential power supply. Failure to observe these warnings will void the warranty. Please contact us for more information. Clean with a damp microfiber cloth.



	<p>⚠ WARNING – POSSIBLE RISK OF INJURY TO EYES AND SKIN</p> <p>Hazardous optical UV, HEV, and IR radiation may be emitted from the light source. Always wear personal protective equipment ensuring complete shielding of skin and eyes. Avoid prolonged exposure and looking directly at light source.</p>	<p>Cable Harnesses Type</p>			
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LED GROW LIGHT

Package Information

Part No.	Specification (Foot)	Q'ty (PCS)	G.W (Lbs)	Carton size (L*W*H mm)	20GP	40HC
FLT-GLV-08L06	1 x 2	25	20	675*200*200		
FLT-GLV-18L12	1 x 4	25	24	1260*200*200		
FLT-GLV-22L15	1 x 5	25	29	1560*200*200		

