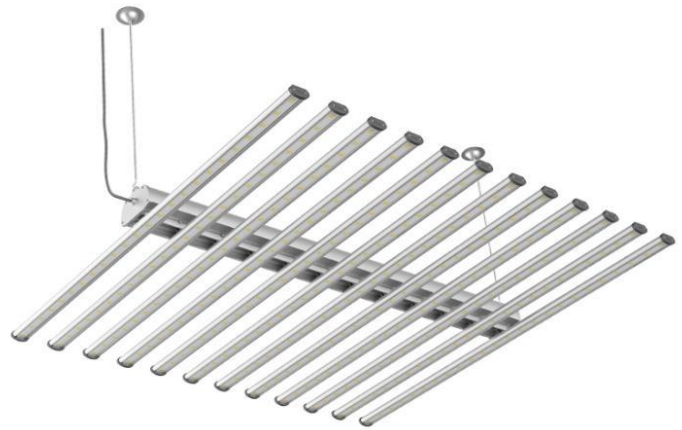


Description:

- ✧ Full Spectrum LED Grow Light for Indoor Plants, Vegetables and Flowers. Performs Extremely Well in All Stages of Growth.
- ✧ Get Higher Yields With Quality LEDs
- ✧ Full Spectrum and Color Select Feature
- ✧ 1m x 1m Optimal Coverage
- ✧ High Efficiency and Low Heat Output

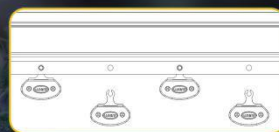


Features:

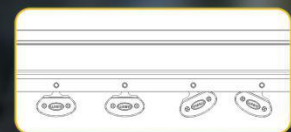
- For Indoor Plants, Vegetables & Flowers
- Performs extremely well in cloning, vegetative and flowering cycle
- Replaces 1000w HID lamp.
- High quality Osram smd 3030 led chips
- Use for all stages of plant growth
- Full spectrum 380-780nm
- Advanced LED Drivers for Higher Performance
- Eliminates A/C in most grow spaces due to very low heat output
- Without Fan, the use-life more long.
- Environmentally friendly (No Mercury)
- Five foot Power Cord in 110v US with 220v and International Plugs Available
- Maximum 120° adjustable for each bar.



LX-GLM120-12



★ Detachable lamp tube. when the plant grows to a certain degree, it can be removed, easy to install;



★ Adjustable angle. when the plant grows to a certain degree, it can be adjusted.

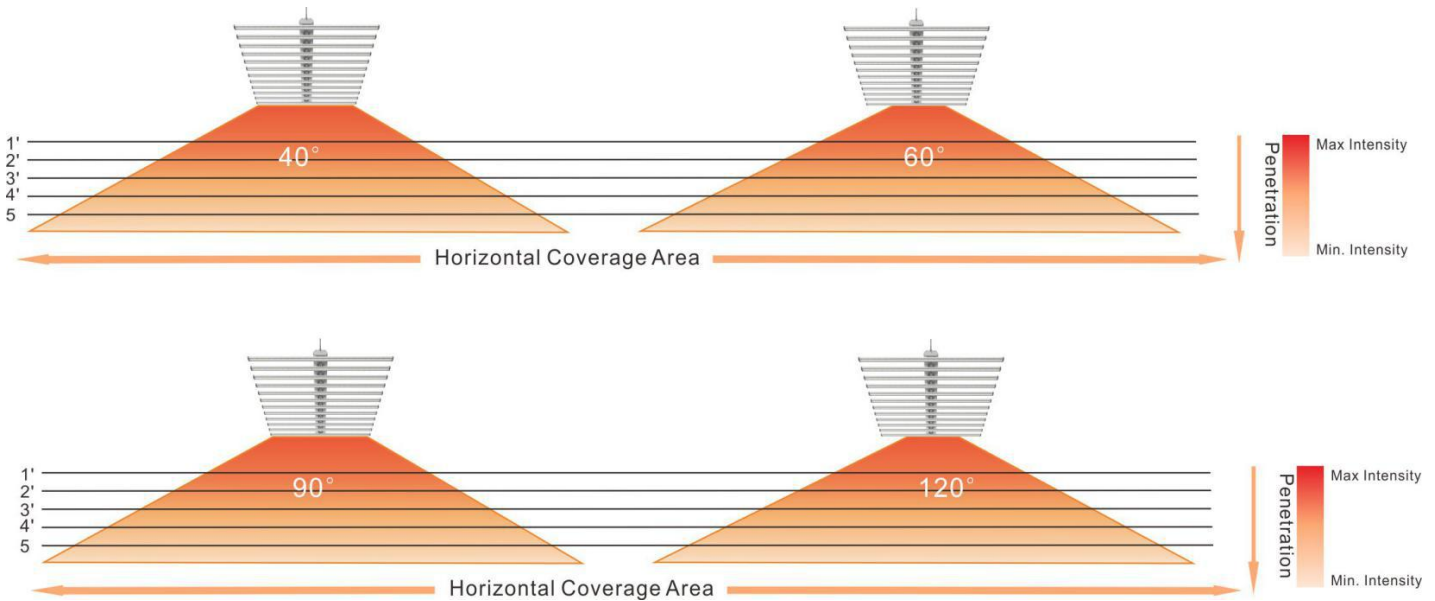
Specification:

Part Number	LX-GLM120-12
LED Wattage	720W
Consumed power:	660w ± 10%
Input voltage	AC 100-265V/ 50-60HZ
LED Chip	Osram smd 3030
PPF	1663.36umol/s
Efficacy	2.45μmol/J
Spectrum:	Full Spectrum
IP Rating	IP54
Working Environment	-40°C to +50°C, 15%~90%RH
Storing Condition	-40°C~+65°C
Power Factor	>0.9
Housing material	ALUMINUM + PC lens + PC cover
Product size	L1000mm X W1000mm X H118 mm (39.37in x 39.37in x 4.64inch)
Mounting Height	≥ 12" (30.48cm) Above Canopy
Thermal Management	Passive
Optics	120°
Lifespan	>60000hrs -L70 @ 66.7 °C
Warranty	3 Years
Report and Certificates	CE,Rosh, LM-79, IES,ISTMT, TM-21

Attention please:

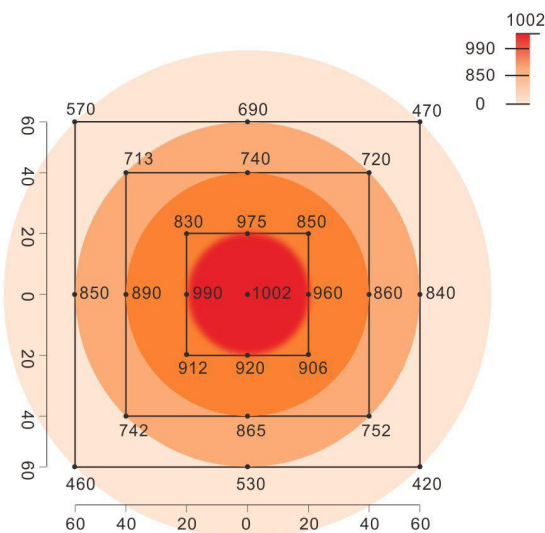
- Extremely bright, do not look directly at the LED bulbs when the light is working.
- No extra ballast is needed.
- Can be controlled by Timer.

Horizontal Coverage Area:



PPFD data:

Light was positioned at 45CM height($\mu\text{mol}/\text{m}^2/\text{s}$)

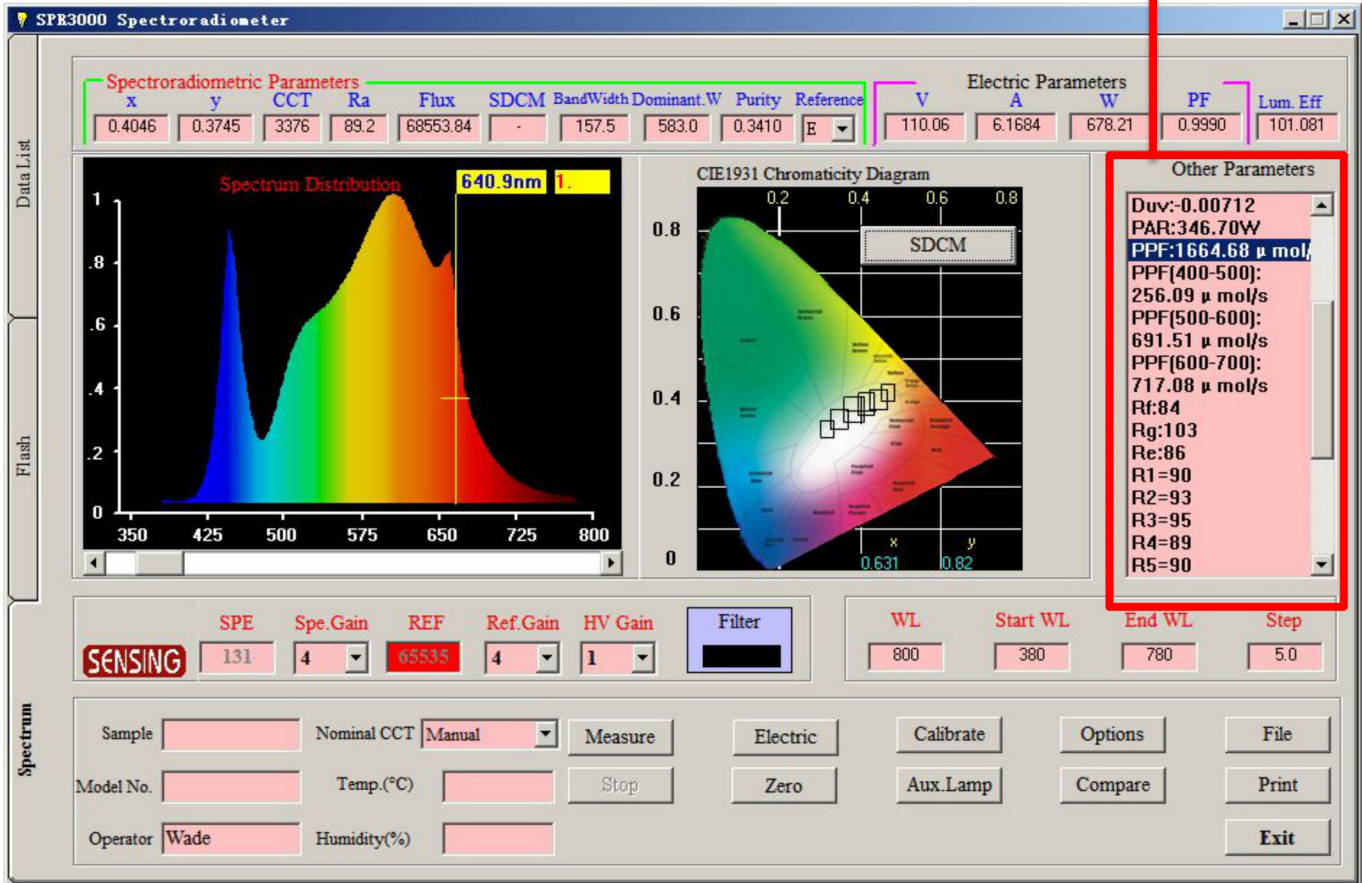


PPFD
LX-GLM120-12

30CM	60	572	590	580	660	720	650
	40	612	660	607	837	893	820
	20	990	1062	945	987	996	985
	0	897	956	1079	1158	1045	1024
90CM	60	360	378	371	370	382	352
	40	397	540	490	390	420	400
	20	690	870	680	710	850	705
	0	694	721	903	906	895	714
120CM	60	420	450	431	460	475	472
	40	480	490	460	480	490	480
	20	612	710	635	590	720	580
	0	580	690	749	750	730	680

Spectrogram / PPF test data:

PPF: 1664.68u mol/s
 PPF(400-500nm) 256.09 u mol/s
 PPF(500-600nm) 691.51u mol/s
 PPF(600-700nm) 717.08 u mol/s



The data are for reference only.

TM-21 Report:

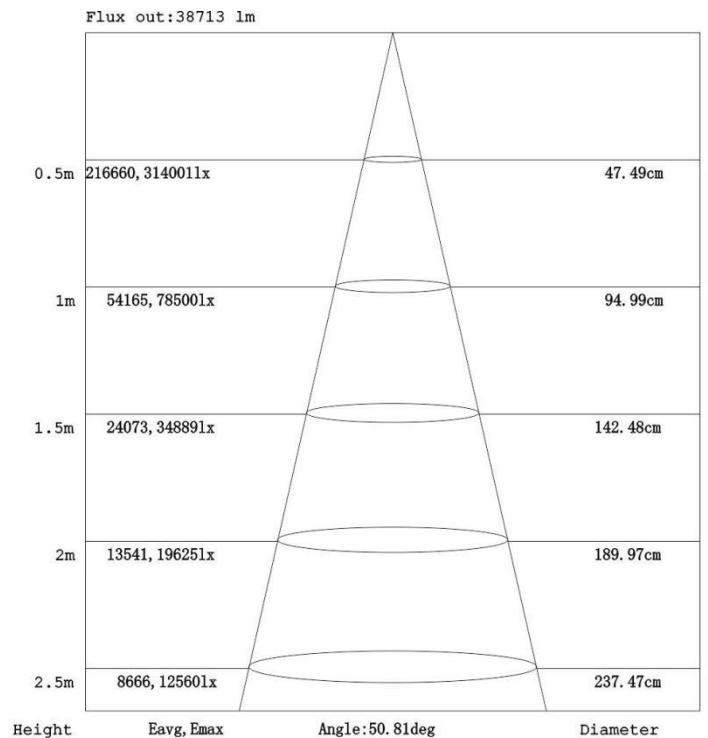
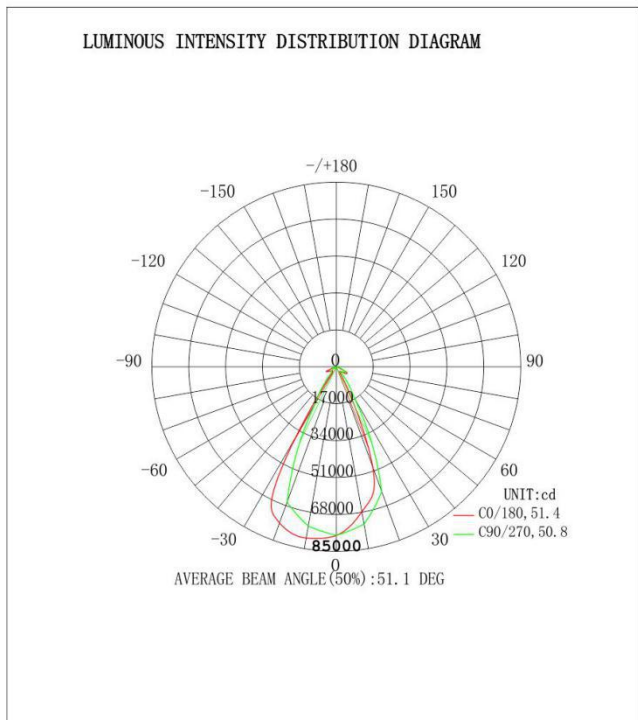
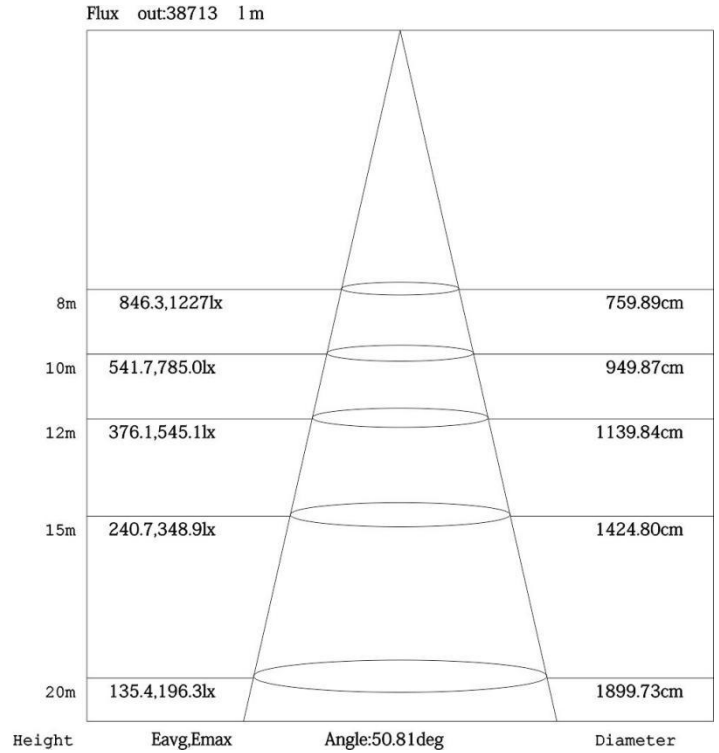
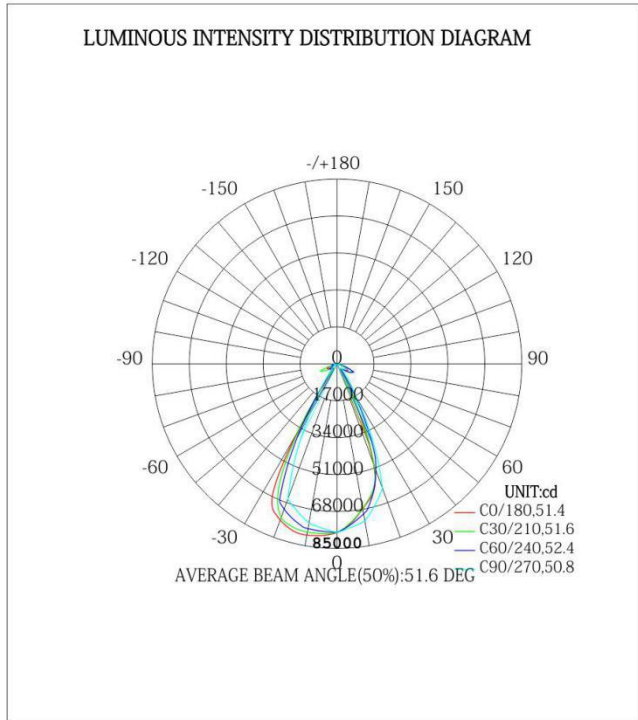


TM-21 Report

Table 1: Report at each LM 80 Test Condition					
Description of LED Light Source Tested (manufacturer, model, catalog number)		Manufacturer of the LED chip(s): OSRAM Opto Semiconductors (Malaysia) Sdn. Bhd. Type of LED chip(s): LH CPDP			
Test Condition 1 - 55° C Case Temp		Test Condition 2 - 85° C Case Temp		Test Condition 3 - 105° C Case Temp	
Sample size	25	Sample size	25	Sample size	25
Number of failures	0	Number of failures	0	Number of failures	0
DUT drive current used in the test (mA)	800	DUT drive current used in the test (mA)	800	DUT drive current used in the test (mA)	800
Test duration (hours)	10,000	Test duration (hours)	10,000	Test duration (hours)	10,000
Test duration used for projection (hour to hour)	5,000 - 10,000	Test duration used for projection (hour to hour)	5,000 - 10,000	Test duration used for projection (hour to hour)	5,000 - 10,000
Tested case temperature (° C)	55	Tested case temperature (° C)	85	Tested case temperature (° C)	105
α	1.962E-06	α	9.514E-07	α	1.153E-06
B	0.975	B	0.968	B	0.977
Reported L70(10k)	>60000	Reported L70(10k)	>60000	Reported L70(10k)	>60000

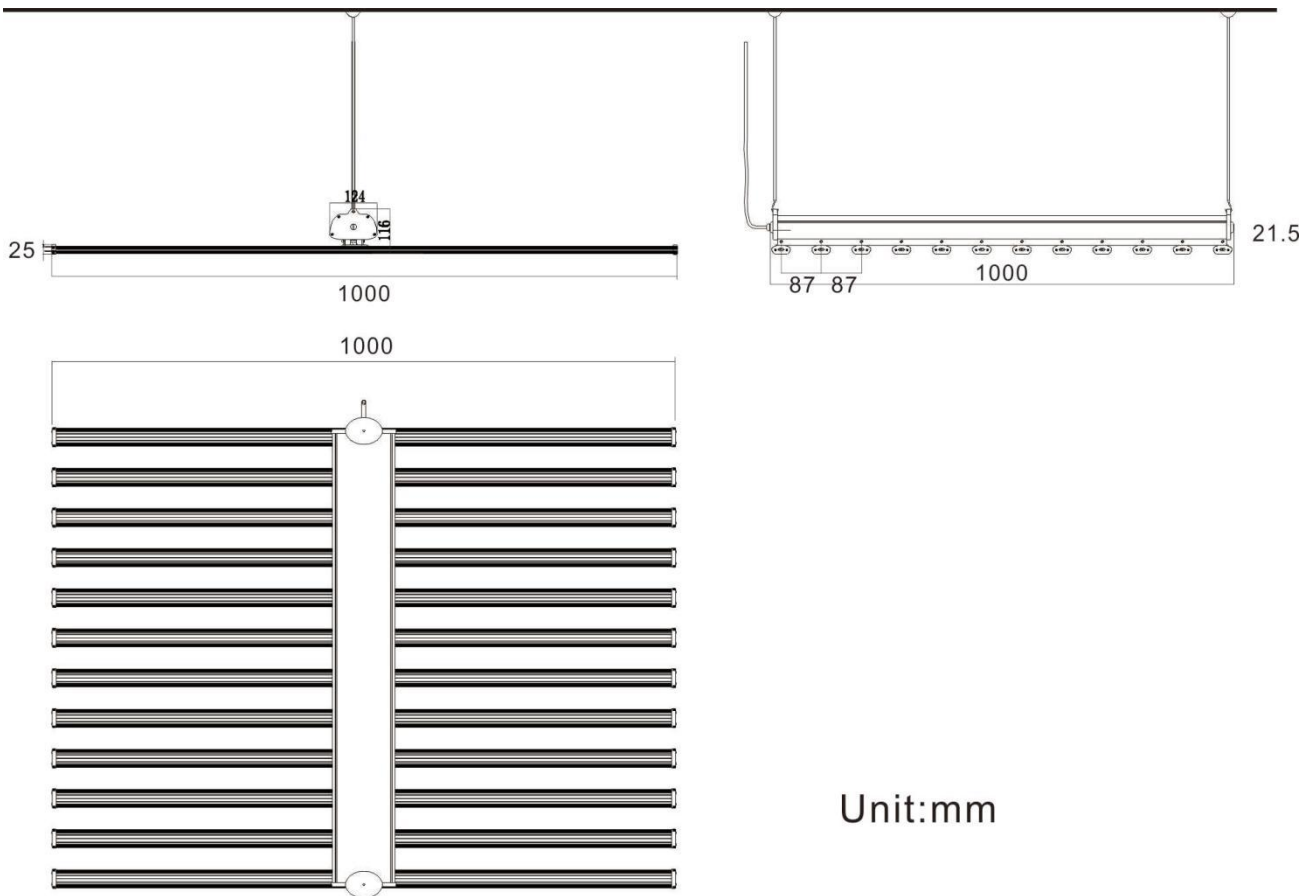
Table 2: Interpolation Report (projection based on in situ temperature entered)	
T _{s,1} (° C)	55.00
T _{s,1} (K)	328.15
α ₁	1.962E-06
B ₁	0.975
T _{s,2} (° C)	85.00
T _{s,2} (K)	358.15
α ₂	9.514E-07
B ₂	0.968
E _a /k _b	-2.83E+03
A	3.476E-10
B ₀	0.971
T _{s,i} (° C)	66.70
T _{s,i} (K)	339.85
α _i	1.457E-06
Reported L70(10k) at 66.7° C (hours)	>60000

ISO illumination Data



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

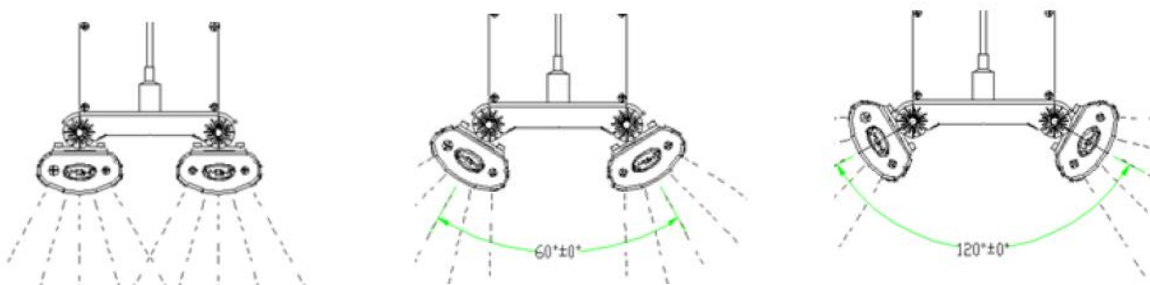
Product size:



Unit:mm

Adjustable :

Beam angle can be adjustable in 0-120°



Installation Instructions:

Warning: Luminaire can not be directly installed on the surface of ordinary flammable material in any circumstance.

Warning: If outer flexible cable or cord of luminaire are damaged, only manufacturer, its agent or eligible people can replace them to avoid accident.

Packing Information:



Model	Qty/ctn	Carton Size	Net Weight	Gross Weight
LX-GLM120-12	1pcs	L108 x W35 x H26cm (42.52x13.78x10.24in)	19.8kg (43.65lb)	21kg (46.3lb)

Quantity of container loading (without pallet)	Model	20GP Container	40' GP Container	40HC Container
	LX-GLM120-12	250ctn	530ctn	660ctn

Applications:

LX-GLM120 led grow lights are widely used in planting greenhouses, medical marijuana growing and so on.

