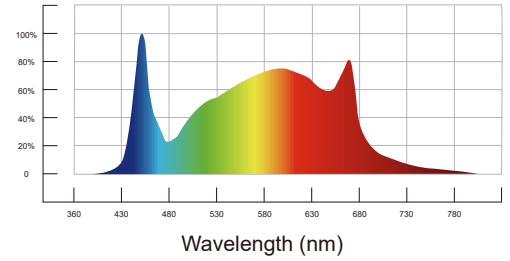


# 650W LED GROW LIGHTS

Model:LZD0650B19

-   
120-277V
-   
No Flicker
-   
Full Spectrum
-   
Dimmable Option
-   
50000h
-   
For Indoor
-   
120°



This LED has a full spectrum array specifically engineered for vegetative and flower cycles.

## PPFD

83	140	235	281	315	328	315	281	235	140	83
133	277	508	728	900	1068	900	728	508	277	133
258	393	581	832	1019	1231	1019	832	581	393	258
339	437	834	960	1147	1508	1147	960	834	437	339
398	524	899	1079	1292	1655	1292	1079	899	524	398
437	694	1068	1301	1386	1684	1386	1301	1068	694	437
398	524	899	1079	1292	1655	1292	1079	899	524	398
339	437	834	960	1147	1508	1147	960	834	437	339
258	393	581	832	1019	1231	1019	832	581	393	258
133	277	508	728	900	1068	900	728	508	277	133
83	140	235	281	315	328	315	281	235	140	83

650W PPFD Value at 6"(15cm) Height at 5'x5' Square Grid

74	148	204	253	276	291	276	253	204	148	74
120	298	538	584	603	703	603	584	538	298	120
244	412	603	694	722	858	722	694	603	412	244
333	456	857	984	1019	1121	1019	984	857	456	333
382	533	935	1109	1158	1259	1158	1109	935	533	382
410	584	969	1170	1232	1301	1232	1170	969	584	410
382	533	935	1109	1158	1259	1158	1109	935	533	382
333	456	857	984	1019	1121	1019	984	857	456	333
244	412	603	694	722	858	722	694	603	412	244
120	298	538	584	603	703	603	584	538	298	120
74	148	204	253	276	291	276	253	204	148	74

650W PPFD Value at 12"(30cm) Height at 5'x5' Square Grid

57	104	157	214	241	265	241	214	157	104	57
69	120	200	304	325	413	325	304	200	120	69
95	167	302	424	445	568	445	424	302	167	95
174	200	557	694	713	825	713	694	557	200	174
218	251	613	818	875	955	875	818	613	251	218
265	298	675	867	928	1002	928	867	675	298	265
218	251	613	818	875	955	875	818	613	251	218
174	200	557	694	713	825	713	694	557	200	174
95	167	302	424	445	568	445	424	302	167	95
69	120	200	304	325	413	325	304	200	120	69
57	104	157	214	241	265	241	214	157	104	57

650W PPFD Value at 18"(45cm) Height at 5'x5' Square Grid

24	29	39	59	95	113	95	59	39	29	24
39	69	81	102	147	245	147	102	81	69	39
45	125	136	206	263	374	263	206	136	125	45
115	178	375	465	515	619	515	465	375	178	115
154	203	428	589	647	742	647	589	428	203	154
181	227	468	648	715	787	715	648	468	227	181
154	203	428	589	647	742	647	589	428	203	154
109	178	375	465	515	619	515	465	375	178	109
45	125	136	206	263	374	263	206	136	125	45
39	69	81	102	147	245	147	102	81	69	39
24	29	39	59	95	113	95	59	39	29	24

650W PPFD Value at 24"(60cm) Height at 5'x5' Square Grid

# FEATURES

## LED HORTICULTURAL LIGHTING SERIES

The LED horticultural lighting series product offers a high efficacy system and full flexibility; in addition, adapt our innovative cloud based monitoring system Algro, users could remotely monitor and control the lighting system, it's true intelligent, and will dramatically simplify your daily work loading.

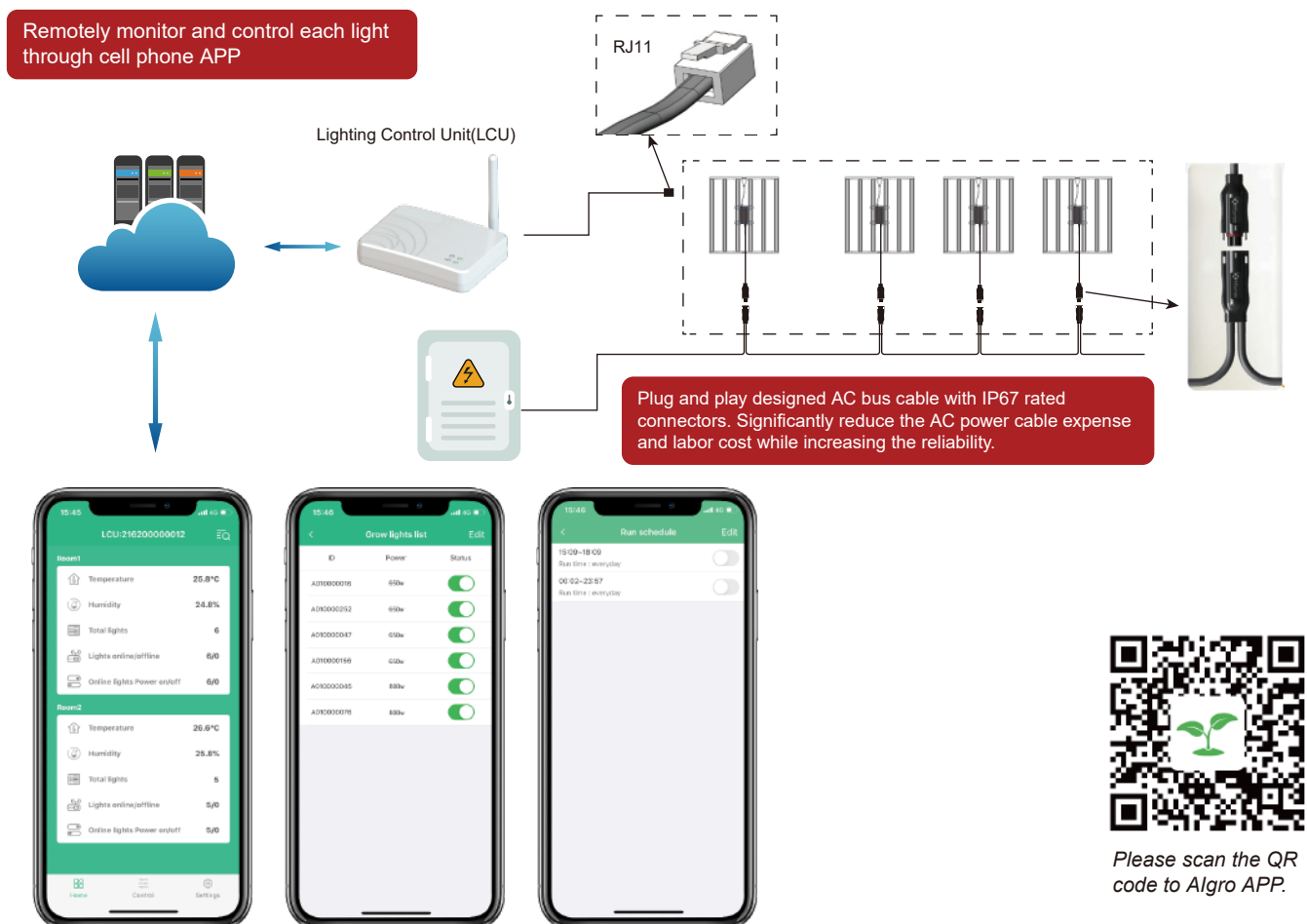
### KEY FEATURES

- With ultra-thin and folding design, easy transportation and installation
- Optimized spectrum proven by growers for veg and flowering
- Scientifically engineered to maximize photosynthesis, growth, and yield
- Superior delivered PPF and PAR and up to 50% energy saving compared to 1000W HPS
- High efficiency and long lifespan
- Innovative cloud based Algro APP to realize remotely monitor and control each single lighting device.
- Innovative AC bus cable designing, plug and play, avoid repetitive AC cabling, reduce the cable cost and simplify the labor while increase reliability

### AGRO CLOUD MONITORING SYSTEM

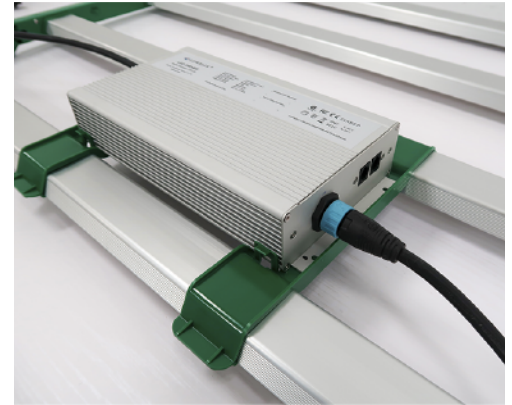
By integrating Power Electrics, IoT and AI technology, our Algro smart agriculture solution is innovative, efficient, and easy to install, helping you achieve higher yields and lower maintenance cost. Algro system provide remote monitor the lights status, one-key power On/Off, dimming, lighting schedule, event alarm, diagnosis and environment sensor functions, Empowering smart agriculture.

## SYSTEM WIRING DIAGRAM

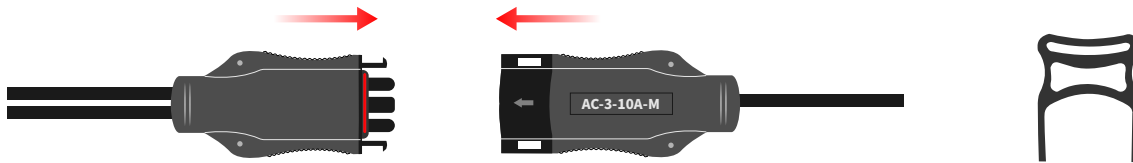


## SPECIFICATIONS

Model	LZD0650B19
Light Source	LED
Input Power	Full Spectrum
Input Voltage	650W
Input Frequency	120-277 VAC
Power Factor	50/60 Hz
Output Power	>0.95
PPF	100W*6 bars
Efficacy	1885 $\mu\text{mol/s}$
Spectrum	2.9 $\mu\text{mol/J}$
LED Brand	SUMSUNG
Light Distribution	120°
Lifetime	50000Hrs
Operating Temperature	-25°C~45°C/-13~113 °F
Remote Monitor and Control	Algro APP
Water Proof Rate	IP66
Package Dimensions	1250x610x120mm
Weight	14Kg
Warranty	5 Years
Compliance	ANS/CAN/UL8800/DLC/FCC/IC



## BUS CABLE CONNECTORS



Plug and play designed AC bus cable with IP67 rated connectors. Significantly reduce the AC power cable expense and labor cost while increasing the reliability

## PACKAGE

