

Plusrite®



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Plusrite®

Intelligent LED Lighting System For Agricultural Lighting

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STD
Standard-Tech

DECLARATION OF CONFORMITY
Certificate No.: STD200517NB

Applicant: Plusrite Electric (China) Co., Ltd
Address: 27 Teng Long Road, Wujin, Changzhou, Jiangsu, China

Brand Name: Plusrite

Product: LED Breeding lamp
LED-YZ101-9W-T12, LED-YZ101-18W-T12,
Model: LED-YZ101-25W-T12, LED-YZ101-28W-T12,
LED-YZ101-36W-T12.

Standard(s): EN 60529: 1991+A1:2000+A2:2013

The model described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2014/35/EU. It is possible to use IP marking to demonstrate the compliance with this LVD Directive. It is only valid in connection with the test report number: STD200517NB-L.

IP67

The evaluations and test results referenced from this declaration are relevant to the sample tested.

Test Laboratory
Supervisor: *Comptroller*
Date: 2020-05-15

Standard-Tech Co., Ltd.
Standard-Tech Building, No. 6 Guanhong Road, Guangzhou Science City, Guangzhou 510663, CHINA
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SINCE1986

Company Profile

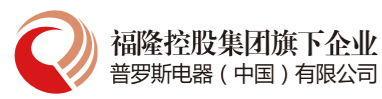
Plusrite Electric was founded in May 1986 in Changzhou, China, with the vision of becoming a recognized leader throughout the world in the distributing and manufacturing of high-quality lighting products. With our emphasis on continual innovation, excellence in manufacturing and customer driven service, today Plusrite Electric has grown into a global leader in the manufacturing and distribution of LED, HID, tungsten halogen, fluorescent and other specialty lighting products. In addition to receiving the ISO 9001 Quality System certification, Plusrite Electric has received numerous awards for their outstanding products, innovative designs and international business enterprises.

With factories, distribution warehouses and sales offices located throughout Asia and North America, and expansion planned into South America and Europe, Plusrite Electric products are being manufactured to accommodate the rapidly expanding global marketplace. Currently there are more than 1000 different lighting products being sold in over 50 countries and regions throughout the world.

With the introduction of Plusrite Electric's signature brand, Plusrite, electrical wholesalers and lighting specialty companies throughout North America are turning to Plusrite Electric for a unique combination of reliable, low-cost, high-margin lighting products.

Product development is a high priority at Plusrite Electric. While striving to manufacture the best products possible, engineers and technicians are also working to expand the Plusrite product line. New products are continually being added to the lamp catalog.

As Plusrite brand is quickly becoming the brand of choice throughout the world, Plusrite Electric is proud to offer their mission statement to you, the customer: It is our mission to utilize teamwork and innovation to integrate the raw materials, global standard production techniques and the highest level of quality throughout our organization in order to provide every customer with the best products and service possible.



HONOR QUALIFICATE





福隆控股集团
FLON HOLDINGS





Plusrite®

Plusrite®



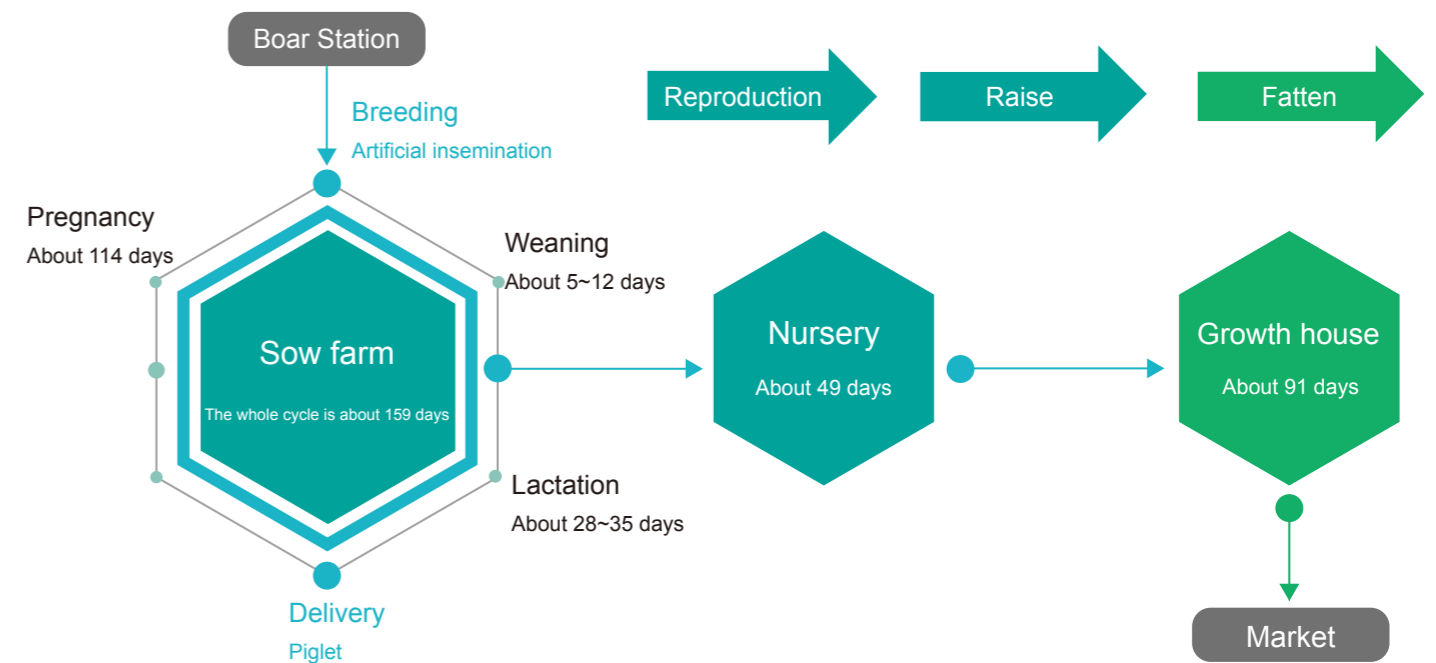
Scheme for supplementary lighting in pig house

Light is one of the main environmental factors affecting the growth and reproduction of pigs. Suitable light has an important effect on the growth, development and sexual function of pigs. On the one hand, increase the light conditions and pork feed ratio, on the other hand, irradiate animals through the ultraviolet wave band required by pigs to enhance animals Bone calcium absorption, improve calcium and phosphorus circulation, and promote the positive growth of its skeleton. Scientific and reasonable illumination can improve disease resistance; Increase meat. Feed ratio; Under the same feed, the conversion rate was higher; Improve animal welfare (such as smell, living space, etc.); Improve meat quality. And provide healthy and safe meat products. According to research and experiments, blue light or green light can improve the production performance of pigs, and these two lights can be used alternately. Just feel. In terms of light curve, pigs mainly have two peaks, corresponding to blue light and green light respectively. For the two peaks of pigs, we designed. Sexual spectral curve, improve utilization.



The pig growth stages are as follows:

Introduced reserve sows. When the reserve sows are raised to a certain age and reach the standard, they can participate in mating. After mating, the gestation period is about 114 days. Keep breastfeeding for 3-4 weeks after parturition, and the sows will be mated about 1 week after weaning to enter the next cycle, and the piglets will be transferred into the nursing period, when they come into the market the weight are usually 110 kilograms . According to the process, it can be divided into isolation and backup room, breeding room, pregnancy room, delivery room and childcare room, breeding house, male pig house.





LED-T12 Waterproof Tube

Product features

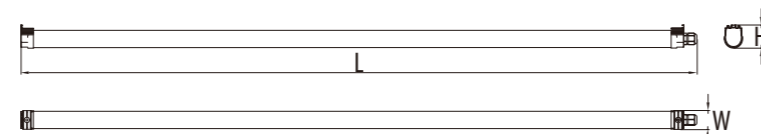
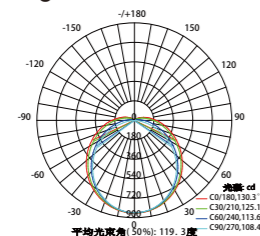
- 1) Meet EMC, anti surge design
- 2) Non-glaring optical diffuser, provide a comfortable growth environment for animals
- 3) IP67 rated, full plastic PC tube, ammonia resistant, anti-oxidation and aging
- 4) Fast wiring mode, waterproof connector, plug and pull installation, convenient and reliable.
- 5) Wide voltage range, suitable for large voltage fluctuation
- 6) Uniform light distribution
- 7) Excellent light diffusion without glare
- 8) Excellent thermal design
- 9) Multiple installation methods, suitable for different spatial structures
- 10) Long life led chips



Application :

- Pigsty
- Henhouse
- Other farms

Light Distribution :



Specifications:

Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Temperature (°C)	Dimension (mm)	Weight (KG)
LED-YZ101-18W-T12	18	85 - 265	2160	120	6500	>80	50000	-30 ~ 50	1255*34*43	0.7
LED-YZ101-25W-T12	25	85 - 265	3000	120	6500	>80	50000	-30 ~ 50	1255*34*43	0.7
LED-YZ101-36W-T12	36	85 - 265	4320	120	6500	>80	50000	-30 ~ 50	1855*34*43	1.0

LED-T8 Waterproof Tube

Product features

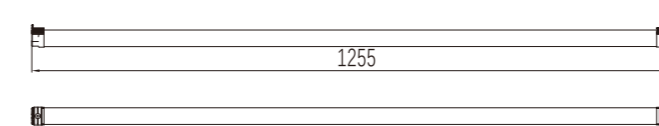
- 1) Meet EMC, anti surge design
- 2) Non-glaring optical diffuser, provide a comfortable growth environment for animals
- 3) IP67 rated, full plastic PC tube, ammonia resistant, anti-oxidation and aging
- 4) Fast wiring mode, waterproof connector, plug and pull installation, convenient and reliable.
- 5) Wide voltage range, suitable for large voltage fluctuation
- 6) Uniform light distribution
- 7) Excellent light diffusion without glare
- 8) Excellent thermal design
- 9) Multiple installation methods, suitable for different spatial structures
- 10) Long life led chips



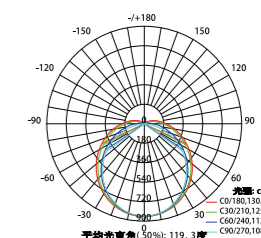
Application :

- Pigsty
- Henhouse
- Other farms

LED-T8



Light Distribution :



Specifications:

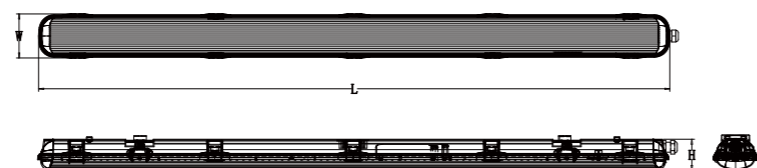
Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Temperature (°C)	Dimension (mm)	Weight (KG)
LED-T8	16	85-265	1920	120	6500	>80	50000	-30~50	1255*43mm	0.5
LED-T8	18	85-265	2160	120	6500	>80	50000	-30~50	1255*43mm	0.5
LED-T8	20	85-265	2400	120	6500	>80	50000	-30~50	1255*43mm	0.5



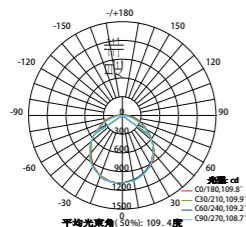
Linear Vapor Tight Fixture

Product features

- 1) Wide voltage range, suitable for large voltage fluctuation
- 2) PC lamp housing, ammonia resistant, anti-oxidation and aging
- 3) Uniform light distribution
- 4) Excellent light diffusion without glare
- 5) Excellent heat dissipation design
- 6) Multiple installation methods, suitable for different spatial structures
- 7) Long life led chips



Light Distribution:



Application :

- Pigsty
- Henhouse
- Other farms

Specifications :

Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Beam Angle	Dimension (mm)	Weight (KG)
LED-YZ102-18W	18	85 - 265	1800	100	6500	>80	30000	120	1270*73*85	1.7
LED-YZ102-36W	36	85 - 265	3600	100	6500	>80	30000	120	1270*108*85	2.5

Led Fixture for Refrigeration Storage

Product features

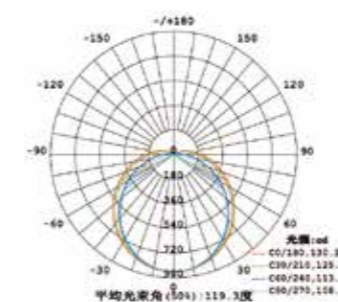
- 1) Wide voltage range, suitable for large voltage fluctuation
- 2) Uniform light distribution
- 3) Excellent light diffusion without glare
- 4) Excellent heat dissipation design
- 5) Anti oxidation and anti-corrosion materials and silicone sealing rings are used
- 6) Long life light-emitting chip
- 7) Suitable for ultra-low temperatures



Application :

- Cold storage room

Light Distribution:



Specifications :

Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Beam Angle	Dimension (mm)	Weight (KG)
LED-LK101-18W	18	100-277	2340	130	4000/5000	>80	50000	120	650*75*63*400	0.5
LED-LK101-36W	36	100-277	4680	130	4000/5000	>80	50000	120	1250*75*63*800	0.87
LED-LK101-48W	48	100-277	6240	130	4000/5000	>80	50000	120	1550*75*63*1000	1.2



Red Infrared Ray Thermal Lamp

Product features

- 1) Hard glass
- 2) Copper nickel plated lamp cap
- 3) Good light transmission performance
- 4) Long life expectancy 2000 hours

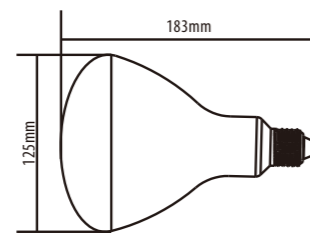
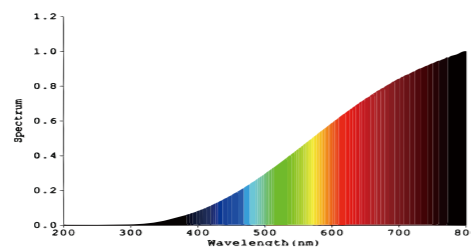
Application :

- For pig care
- Hatching chick
- Family pets
- Heat preservation of young poultry

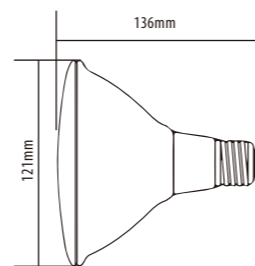
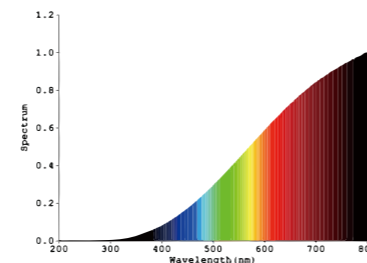


PL-R125

Spectre:



PL-PAR38



Specifications:

Description	Wattage (W)	Input Voltage(V)	Input Current(A)	Max Temperature(°C)	Rated Life (hours)	Lamp Holder	Bulb Length	Bulb diameter (mm)	Enclosure Model
PL-R125-P150	150	220-240	0.62	250	2000	E27	183	125	R125
PL-R125-P175	175	220-240	0.72	250	2000	E27	183	125	R125
PL-R125-P250	250	220-240	1	250	2000	E27	183	125	R125
PL-PAR38-P100	100	220-240	0.41	250	2500	E27	136	121	PAR38
PL-PAR38-P150	150	220-240	0.62	250	2500	E27	136	121	PAR38
PL-PAR38-P175	175	220-240	0.72	250	2500	E27	136	121	PAR38



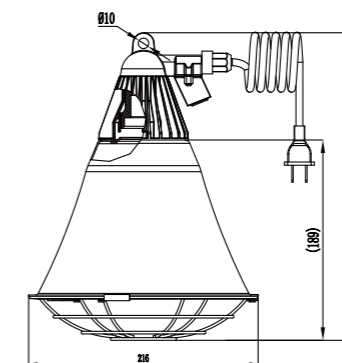
Fixture of Red Infrared Ray Thermal Lamp

Product features

- 1) The lampshade of the lamp is made of aluminum alloy, with simple shape, firm structure and good seismic resistance
- 2) Stainless steel chain, with strong corrosion resistance and corrosion resistance
- 3) The radiator is made of high-purity die cast aluminum, with good heat dissipation effect
- 4) E27 ceramic lamp holder, high temperature resistance, long service life
- 5) Metal protective net, anti gnawing, effectively avoid scalding

Application :

- For pig care
- Hatching chick
- Family pets
- Heat preservation of young poultry



Specifications:

Description	Input Voltage(V)	Frequency (Hz)	Dimming	Lamp holder	Socket model	Enclosure model	Dimension (mm)	Weight (KG)
PL-175W-H2	200-240	50	Three gear switch	E27	Two pin socket	PAR38/R125	290mm*216mm	0.75



Led Fixture for Poultry House

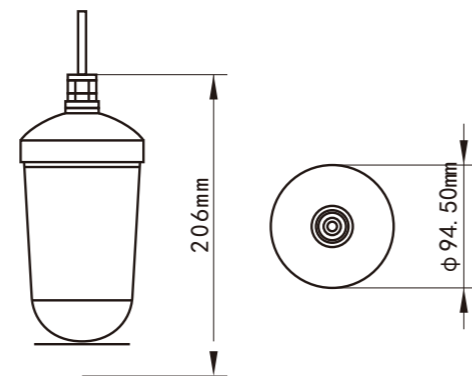
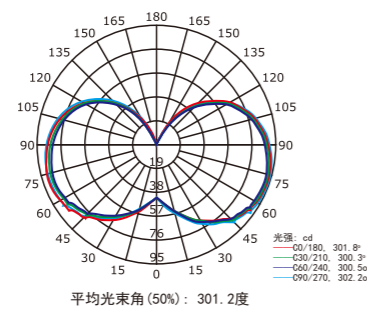
Product features

- 1) Uniform and consistent light distribution, reduce difference of light exposure for poultry
- 2) Non-glaring optical diffuser reduce irritating response to poultry
- 3) High temperature and UV resistant sealing gasket to prevent dustwater and rust
- 4) Excellent thermal management design
- 5) Stainless mounting bracket and dual locking clips-Long life LED chips

Application :

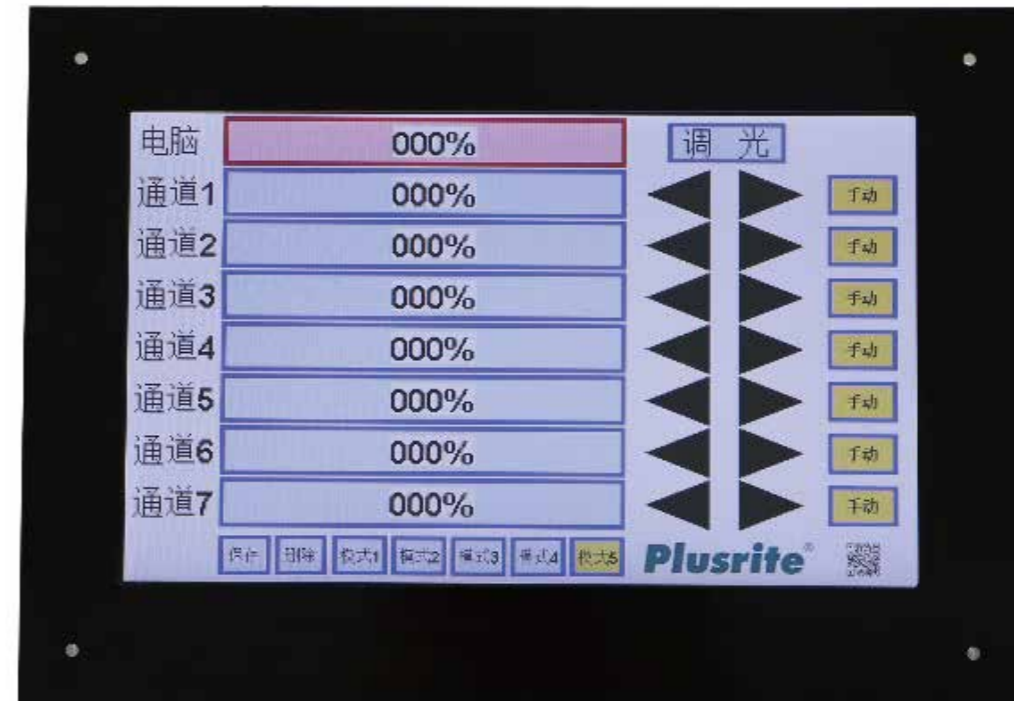
- For pig care
- Hatching chick
- Family pets
- Heat preservation of young poultry

Light Distribution :



Specifications :

Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Beam Angle	Dimension (mm)	Weight (KG)
LED-YZ-10	10	48	900	90	2700-3000	>80	50000	-10 ~ 40	206*94.5	1.0



Intelligent control system for poultry lighting

Key Features

- Improve raising environment
- Programmable dimming solutions available
- Advanced LED technology
- fully automatic and manual control options to choose
- 0-100% Dimming
- 0-10V remote controller available for upgrade
- Independent Multi-channel control

Application

- A multi-channel and multi-group control system solution for poultry lighting

Parameters

- (1) 12V Input
- (2) 7 sets of DIM output can choose 0v or 12v output voltage
- (3) 1 set of communication interfaces, including 1 USB interface
- (4) 500 Ma Input limit
- (5) 6 mA Output limit
- (6) Transformer spec: 100-220V input voltage 0.65A 50-60Hz frequency 12v 1.5A Maximum output



UFO High Bay GK520

Product features

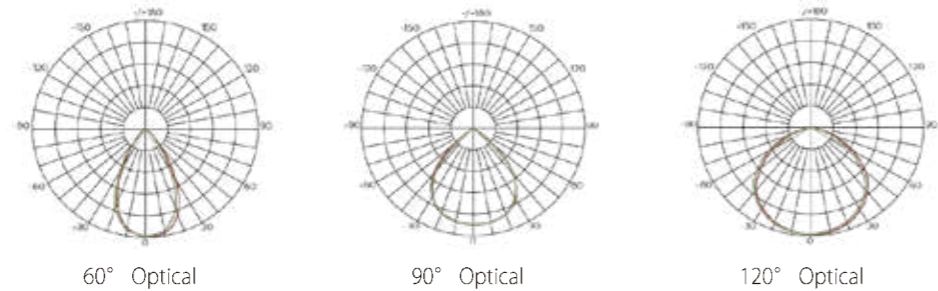
- 1: Color temperature 4000-6500K, close to natural spectrum, reduce stress reaction and improve return
- 2: High lumen maintenance rate, low light attenuation and uniform illumination
- 3: IP65, can effectively prevent dust and moisture
- 4: No stroboscopic, providing comfortable lighting environment for animals
- 5: Dimmable, intelligent contro



Application :

- Beef House

Light Distribution :

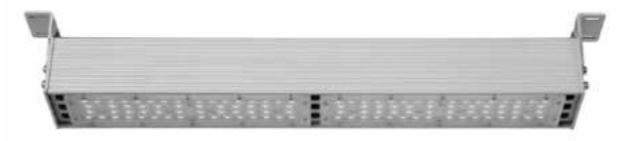


Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Temperature (°C)	Dimension (mm)
GK520	100	120 - 277	13000	130	4000	>80	50000	-30~45	283.4*99.4
	150	120 - 277	19500	130	4000	>80	50000	-30~45	283.4*99.4
	200	120 - 277	26000	130	4000	>80	50000	-30~45	323.6*99.4

Liner High Bay GK515

Product features

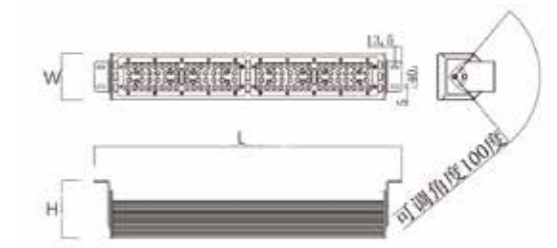
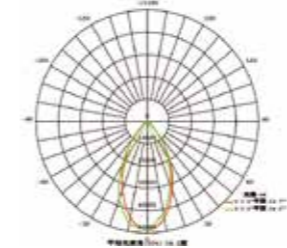
- 1: Color temperature 4000-6500K, close to natural spectrum, reduce stress reaction and improve return
- 2: High lumen maintenance rate, low light attenuation and uniform illumination
- 3: IP65, can effectively prevent dust and moisture
- 4: No stroboscopic, providing comfortable lighting environment for animals
- 5: Dimmable, intelligent contro



Application :

- Beef House

Light Distribution :



Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Temperature (°C)	Dimension (mm)	Weight (KG)
GK515	50	100 - 277	6500	130	4000-6500	>80	50000	-30~50	353*95*115	1.7
	100	100 - 277	13000	130	4000-6500	>80	50000	-30~50	353*95*115	3
	150	100 - 277	19500	130	4000-6500	>80	50000	-30~50	353*95*115	4
	200	100 - 277	26000	130	4000-6500	>80	50000	-30~50	353*95*115	5



Project Case



← Pig Farm of Luan City, Anhui Province

Led Fixture for Slaughterhouse

Product features

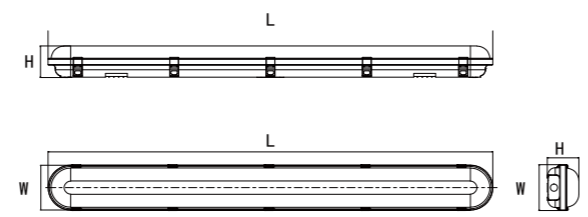
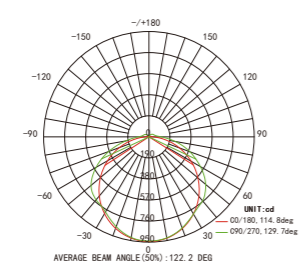
- 1) Wide voltage range, suitable for large voltage fluctuation
- 2) PC lamp housing, ammonia resistant, anti-oxidation and aging
- 3) Uniform light distribution
- 4) Excellent light diffusion without glare
- 5) Excellent heat dissipation design
- 6) Long life led chips



Application :

- Slaughterhouse

Light Distribution :



Description	Wattage (W)	Input Voltage(V)	Output Lumen	Efficacy (lm/W)	Color Temp (K)	CRI	Rated Life (hours)	Temperature (°C)	Dimension (mm)
VTL52	52	100 - 277	6760	120	6500	>80	50000	120	1200*121*85.2
VTL65	65	100 - 277	8450	120	6500	>80	50000	120	1200*121*85.2
VTL90	90	100 - 277	12480	130	6500	>80	50000	120	2560*160*107

Pig Farm of Xianyang City, Shanxi Province →



← Pig Farm of Xinzhou City, Shanxi Province

Pig Farm of Liupanshui, Guizhou Province →





Project Case



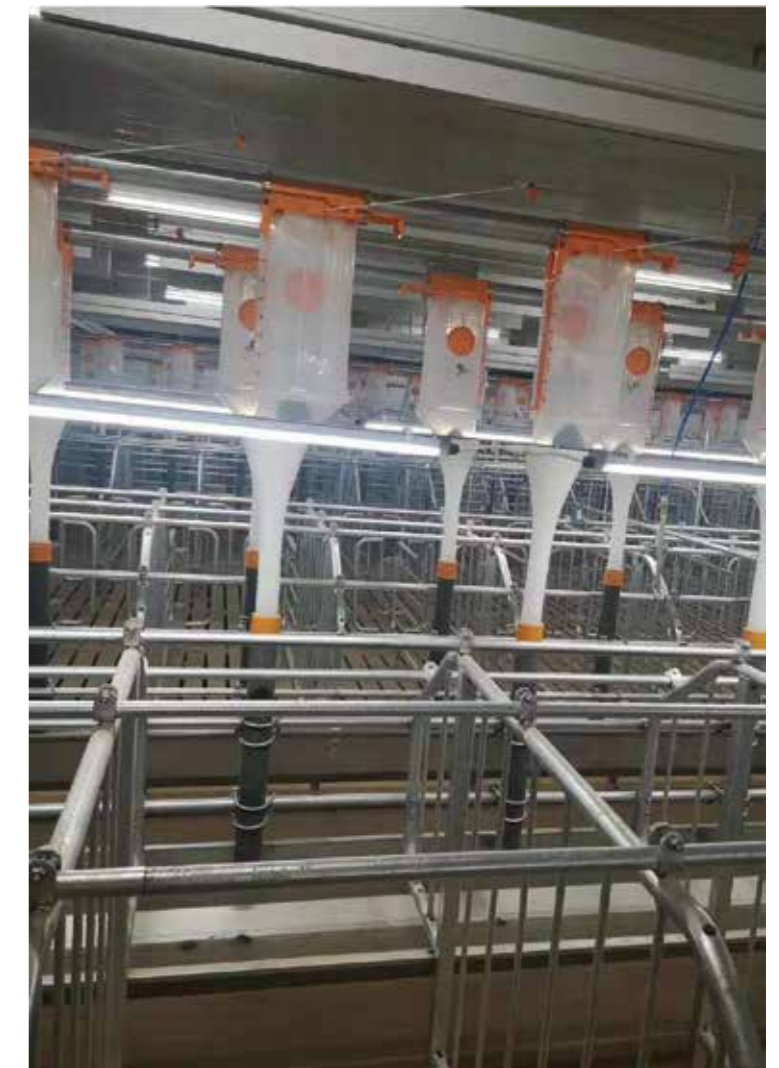
◀ Pig Farm of Kaiyuan City, Yunnan Province

Pig Farm of Yinbing City, Sichuan Province ▶



◀ Pig Farm of Xuzhou City, Jiangsu Province

Pig Farm of Yuncheng City, Shanxi Province ▶



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