

Lite Lion

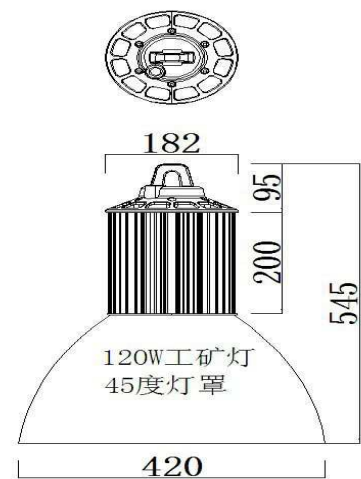
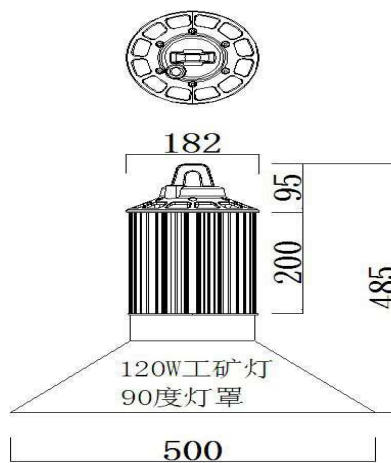
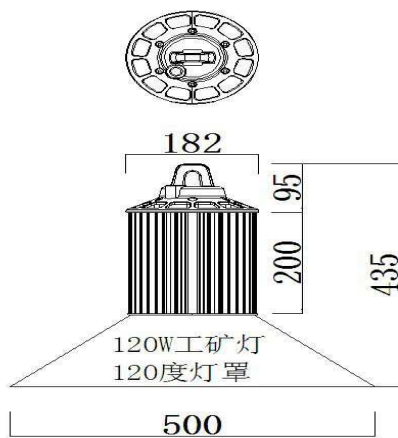
Product Specification

Product Name: 100W LED Highbay Light (driverless)

Product Model: 100W

1st Part : Product Description

1. Photos and Size



2. Product features

- 1) Energy-saving: The high power LED as light source, 80% energy saving than incandescent.
- 2) Environmental Protection: Does not contain mercury, lead and hazardous substances, no environmental pollution, no infrared and ultraviolet to avoid harm to the human body, its green lighting products.
- 3) Long lifespan: The life of up to 60,000 hours or more.
- 4) The use of high-power bright LED group packages, and heat fixed one to make the product more solid and reliable, life assurance.
- 5) Input voltage of 190-260V, makes products easier to use.
- 6) High transmittance convex mirror for a second optical light, 30 °, 60 °, 90 °, 120 ° beam angle, select.
- 7) Direct optical illumination point than traditional lamps have higher light-use efficiency.
- 8) The main use of extrusion molding a unique heat sink with good thermal conductivity of aluminum (AL6063), has good heat dissipation, LED contact with copper thermal conductivity.

3. Range of Application

Use for supermarkets, car parks, factory floors, toll stations, gas stations, exhibition halls, municipal engineering field.

2nd Part : Technical Parameter

1. Basic Technical Parameters

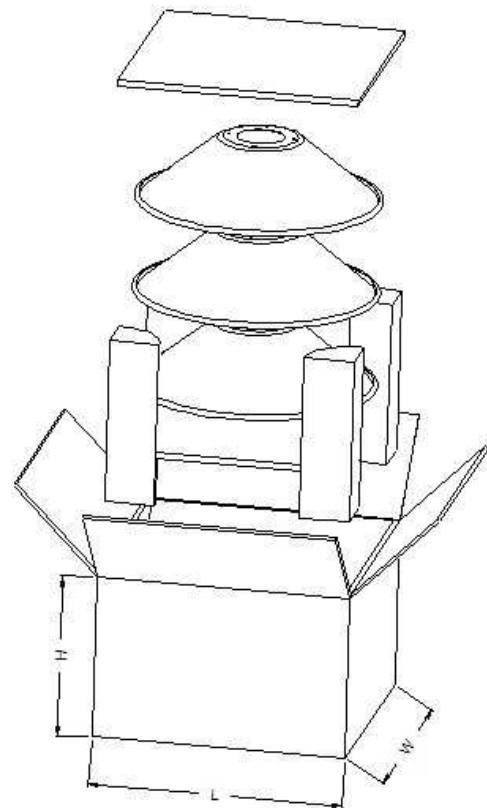
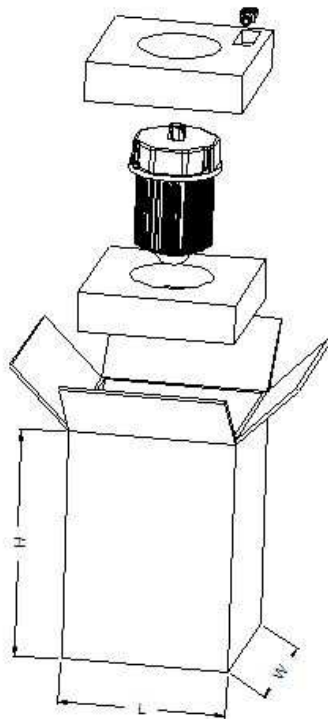
Rated power	100W		
Power consumption	100±3W		
Driver brand	NO DRIVER		
Input voltage	AC 190-260V		
Power factor (PF)	0.99		
LED light source	OSRAM 3030 chip		
LED luminous efficiency	115-120lm/W		
LED luminous flux	11500±500lm		
Correlated Color Temperature	2700K-7000K		
Color rendering index	Ra≥80		
Beam Angle	30 ° / 60° / 90° /120°		
Degree of protection	IP64		
Operating ambient temperature	-40℃~50℃		
Storage ambient temperature	-40℃~50℃ (30℃ is the best)		
Lamp operating temperature	Ambient temperature	The Radiator surface of the lamp body	LED lights Pin
	25℃	55℃	60℃
Certificate	CE & RoHS		
Lifespan	60000H		
Warranty	6 years		
Color of housing	Black/silver		
Dimensions	As specified in the product dimension drawings		
Weight	4.8kg		

2. Product Reliability

No.	Item	Test methods	Through the standard
1	Temperature rise test	Ambient Temperature of 25°C, the lamp surface temperature below 65°C, LED temperature below 75°C	Ambient Temperature of 25°C, the lamp surface temperature below 65°C, LED temperature below 75°C
2	High temperature and pressure test	Ambient temperature of 60°C, enter the 1.1times rated voltage, light work 24hours	Lighting to work properly after the test
3	Low temperature and pressure test	Ambient temperature of -15°C, enter the 0.9 times rated voltage, light work 24hours	Lighting to work properly after the test
4	Vibration tests	Vibration velocity is set to 300rev/min, the amplitude is set to 2.54 cm, six surface vibration test on the packaged product.	The lamps can not occur off parts, structural damaged, the lighting does not shine and other anomalies.
5	Impact test at room temperature	Ambient temperature of 25°C, lighting 30s, lighting -30s, circulation 10,000	The lamps can not occur leakage, not lit and electrical anomalies
6	Life test	Ambient temperature of 25 ° C, lit test, the first three months every 10 days, testing, optical parameters, three months after a month testing the optical parameters, 70% of the initial luminous flux for the life of the product, turn off the lights for the absolute life	Luminous flux for 90% of the initial luminous flux of 3000 hours, 30,000 hours of luminous flux should be greater than 70% of the initial luminous flux

3rd Part: Package

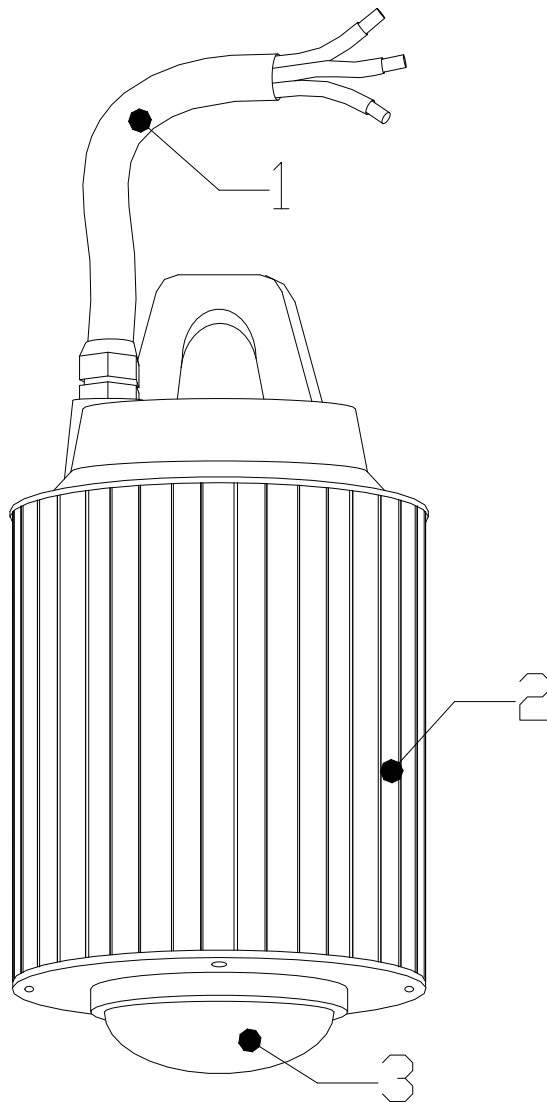
Item 1	Packaging of lamp body			
Package	Lamp body packaging (Inner package)		Outer package	
Q'ty	1pc/box		4pcs/carton	
Size	L255 x W255 x H360MM		L530 x W530 x H380MM	
G.W	4.8 kg		25.2 kg	
Item 2	Packaging of reflector			
Q'ty	10pcs/carton			
Size	L440 x W440 x H400MM (45°)	L530 x W530 x H340MM (60°)	L530 x W530 x H340MM (90°)	L530 x W530 x H250MM (120°)
G.W	8.3 kg (G.W haven't included wooden case for shipping protection)	8.9kg (G.W haven't included wooden case for shipping protection)	8.9 kg (G.W haven't included wooden case for shipping protection)	8.5kg (G.W haven't included wooden case for shipping protection)



4th Part: Installation Instructions

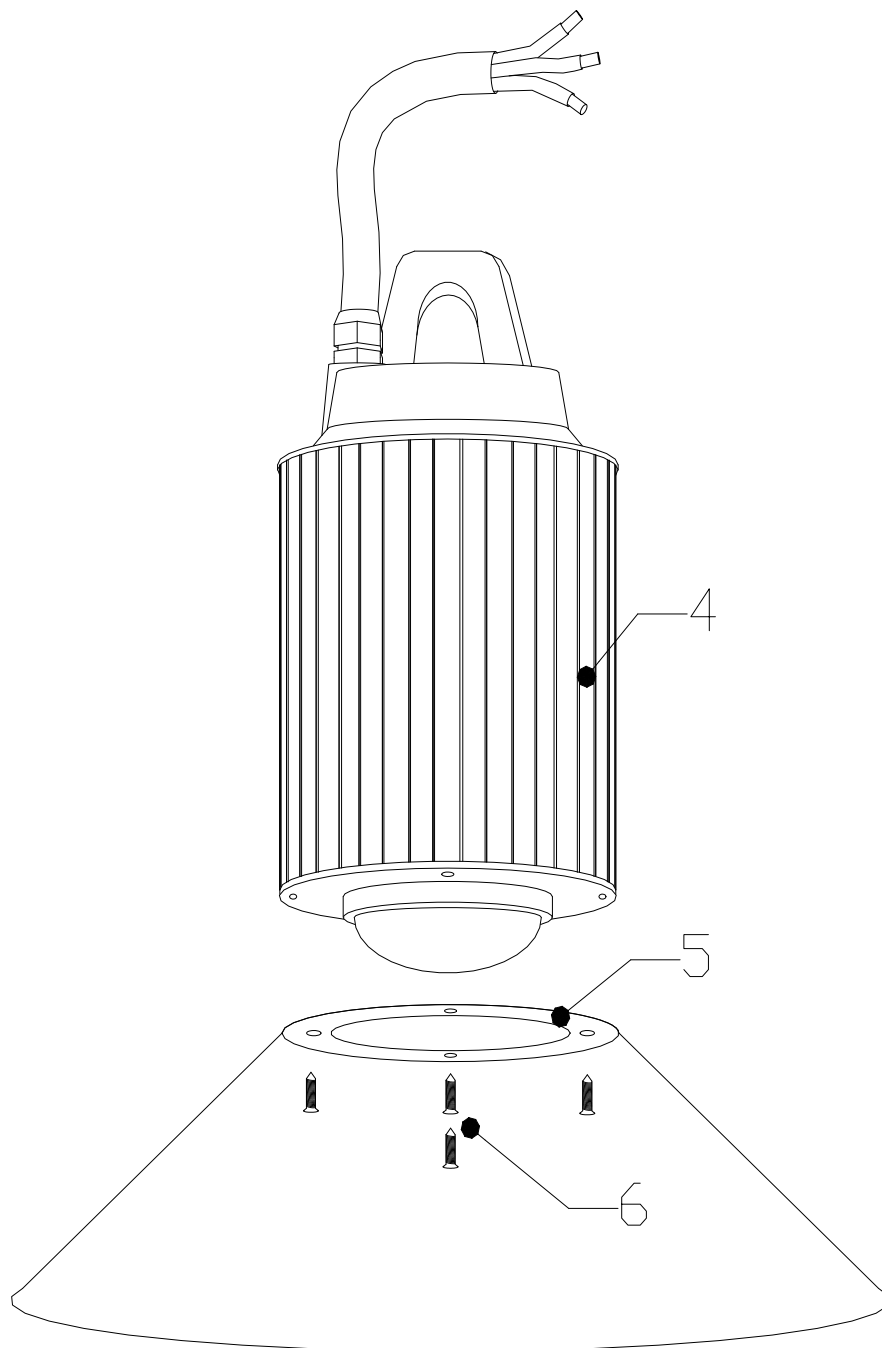
1. Open the lamp box, remove the lamp to check if there have any collision and other injuries, if have destruction, pls contact with the manufacturer immediately.

2. Lamp to indicate the following figure:



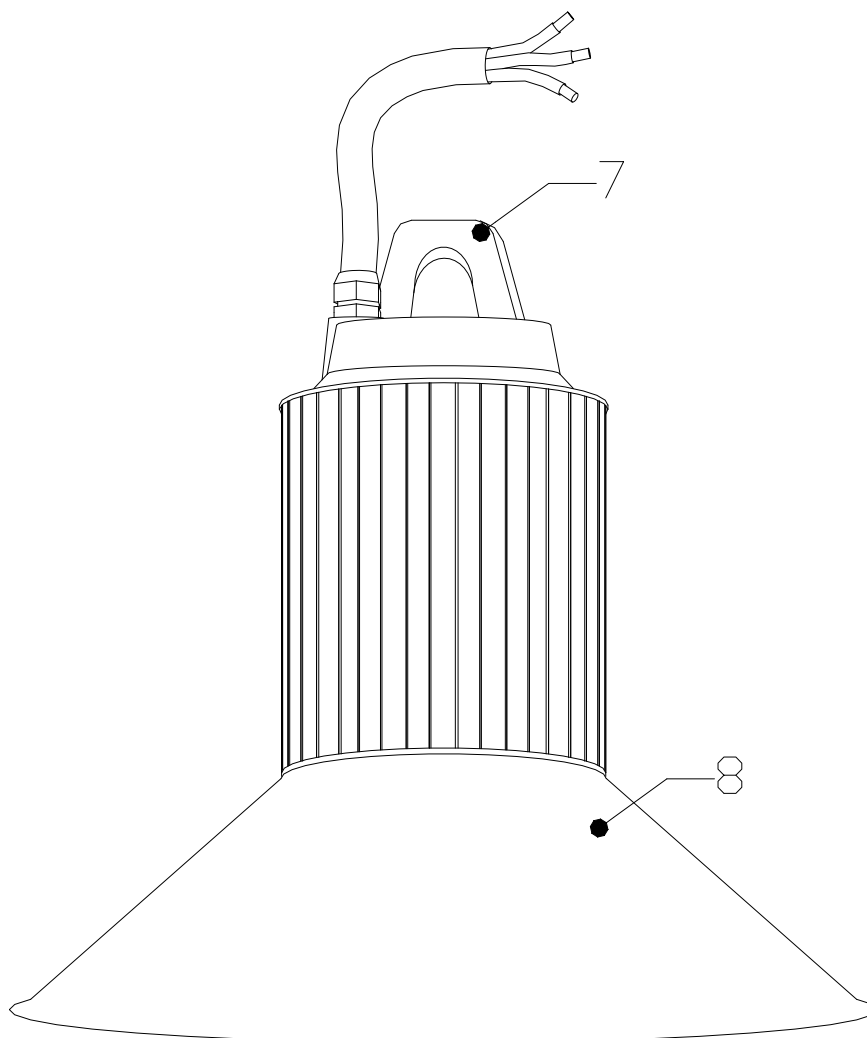
Description: 1)Power cable 2)Radiator 3)Emitting area

3. Lamp body and Reflector connection diagram as follows:



Description: 4)Lamp body 5)Reflector 6)Screws
Locking screws through the Reflector on the radiator

4. Hooks and lamp body connection diagram as follows:



Description: 7) Hook 8) Lamp body
Hook lock in the power box on the lamp body

Lamp assembly is completed, hanging/install in the work space

5th Part: Note Description

1. All of the above test data are within the specified range of input voltage and rated output, the working environment temperature of 25 ° C, humidity less than 85%, the emitting angle of 45 degrees under the conditions of the test to obtain.
 2. Note: Non-waterproof only for indoor use.
 3. Check the voltage, current compliance requirements; unauthorized, please do not disassemble products.
 4. The warranty would be 6 years with free repair and replacement if product fail to work due to the quality problem.
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