



Lighting Best International Ltd.

Product specification



Model No.:LB-IM200 series

Product name:

100W-1200W LED modularized LED flood light, LED stadium lights, LED high mast lights

1. Main picture



**single head
100-200W**



**2 heads
200-400W**



**3 heads
300-600W**



**4 heads
400-800W**



**6 heads
600-1200W**



back view

2. product feature

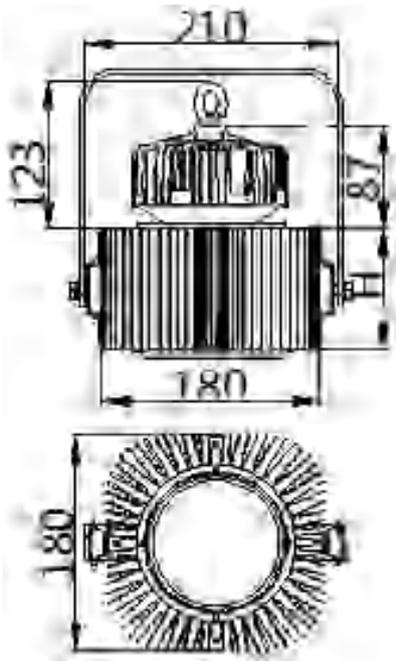
1. high quality extruded aluminum sun-flower pattern radiator, the heat dissipation system constructed by copper superconducting heat pipe, it makes this series of products specific and extraordinary heat transfer and heat dissipation effect, the product light decay is minimal; the lifetime is super long; and they very solid and durable;
2. with small upwind area, strong typhoon resistance;
3. modularity from single to 6 heads, power range from 100-1200W;
4. built-in Professional Optical Design Aluminum Reflector, high optical efficiency reach 95%;
5. Flip-chip light source, vertical heat dissipation structure, light source failure rate is almost 0%, long life, low decay;
6. Optical toughened glass lens, dust-proof, corrosion-proof, anti-oxidation, weather resistance, strong marine resistance, wear resistance; easy to maintain;
7. IP grade : IP65;
8. UL listed.



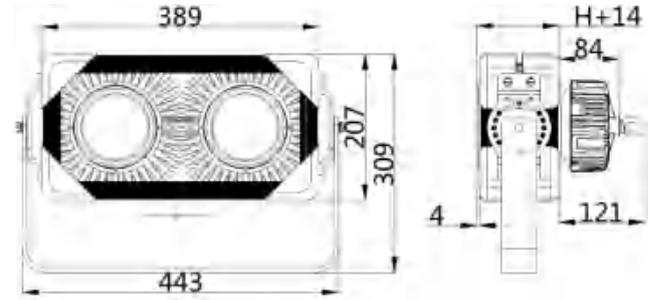
3. Quick Details

Keyword:	modularized Led high mast/flood/stadium light		Model Number(UL):	LB-IV200-WAAA, LB-IV200-WBBB	
modules(Heads) power range	1~3 rows and 1~2 columns(total:1~6) 100~1200W(about 100W~200W/module)		optical structure design	optical glass combine with built-in aluminium reflector	
support customize	yes		main material of Housing	extruded 6063 aluminum heatsink	
typical Input Voltage(V):	AC100~240V, 50/60HZ		power factor	>0.95	
Driver Brand:	Meanwell/sosun/lightingbest/others		Extra function optional /Smart Functions:	Dimming/DALI /emergency lighting/ motion sensor/ZIGBEE intelligent control	
Place of Origin:	China		product Brand:	lightingbest or customize	
LED Chip Brand:	citizen/bridgelux/SANAN/others		Luminous Efficiency(lm/w):	max150LM/W(when CCT6000K)	
LED type	flip-chip COB		Beam angle:	20° /30° /60° /120° options	
Color Temperature(CCT):	3000k~6500k optional		CRI (Ra>):	70~90 optional	
lifetime(Hours)	50000		Warranty	3~5 Years	
certificate	CE, Rohs, UL		IP Rating:	IP65 Waterproof	
Working Temperature(°C): storage temperature(°C):	-35°C ~ +60°C -30°C ~ +50°C		Application:	Factory, Square, Parking Lot, advertising lighting, Garden, Public place, Exhibition hall, stadium etc.	
packing (mm)	(1 module) (1*2=2 modules) (1*3=3 modules) (2*2=4 modules) (2*3=6 modules)	230*230*300 484*250*325 652*252*317 510*470*320 650*510*335	N.W./G.W. (KG)	(1 module) (1*2=2 modules) (1*3=3 modules) (2*2=4 modules) (2*3=6 modules)	5.2/5.6 11.6/12.6 15/16 25.4/26.4 30.5/32.3

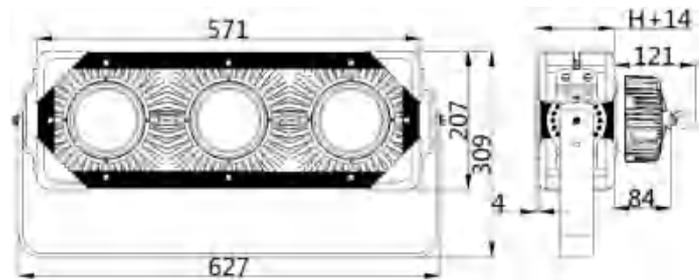
4.1 product dimension



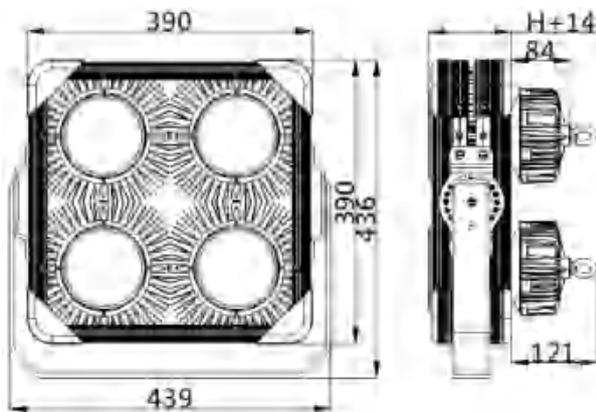
single head



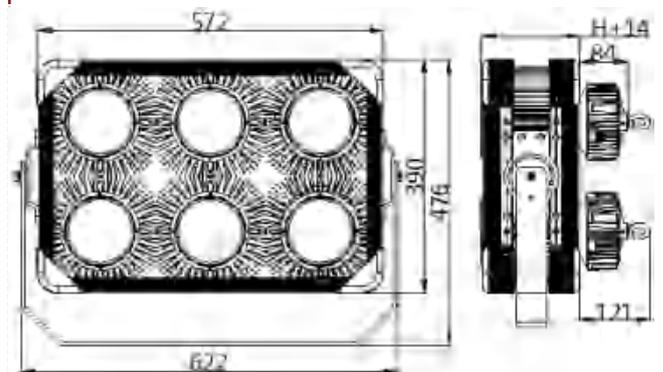
2 heads



3 heads



4 heads



6 heads

Note: above "H" means the height of heatsink

4.2 product structure (Suitable for single head)

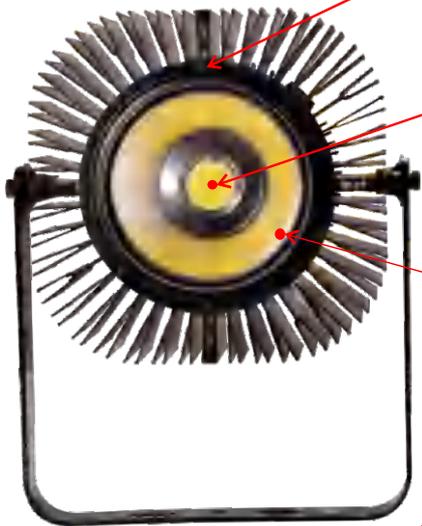


high quality extruded aluminium heatsink
built-in copper heat pipe

built-in aluminum Reflector,
professional Optical Design
high optical efficiency reach 95%

antirust steel frame

all of visible screws is made of 316
stainless steel screws



high quality flip-chip COB
high Luminous efficiency
reach to LM/W

high quality
high transmittance ratio
optical tempered glass lens

outdoor silicon cable,

antirust steel hook

water-proof connector



high quality LED driver
LB/Inventor/susen/meanwell etc.

4mm thickness
antirust steel U bracket,
it can rotate 360°

antirust steel compass
for mounting U bracket

4.3 product outer structure (for multi module)



high quality extruded aluminium heatsink
built-in copper heat pipe

built-in aluminum Reflector,
professional Optical Design
high optical efficiency reach

antirust steel holder

high quality flip-chip COB
high Luminous efficiency
reach to 150LM/W

high quality
high transmittance ratio
optical tempered glass lens

all of visible screws is made of 316
stainless steel screws

water-proof
junction box

die-cast protect corner

extruded aluminium
frame bracket

water-proof connector

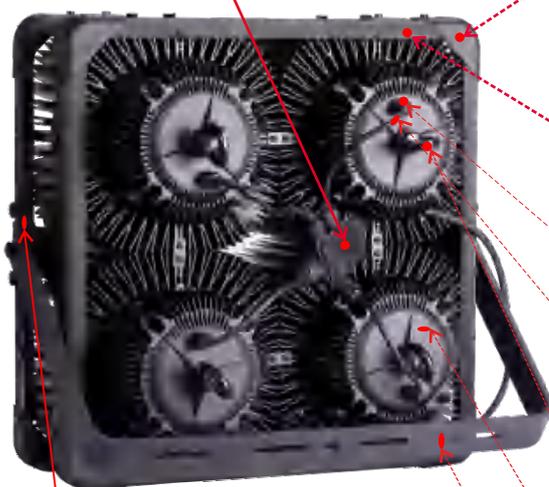
outdoor silicon cable,

antirust steel hook

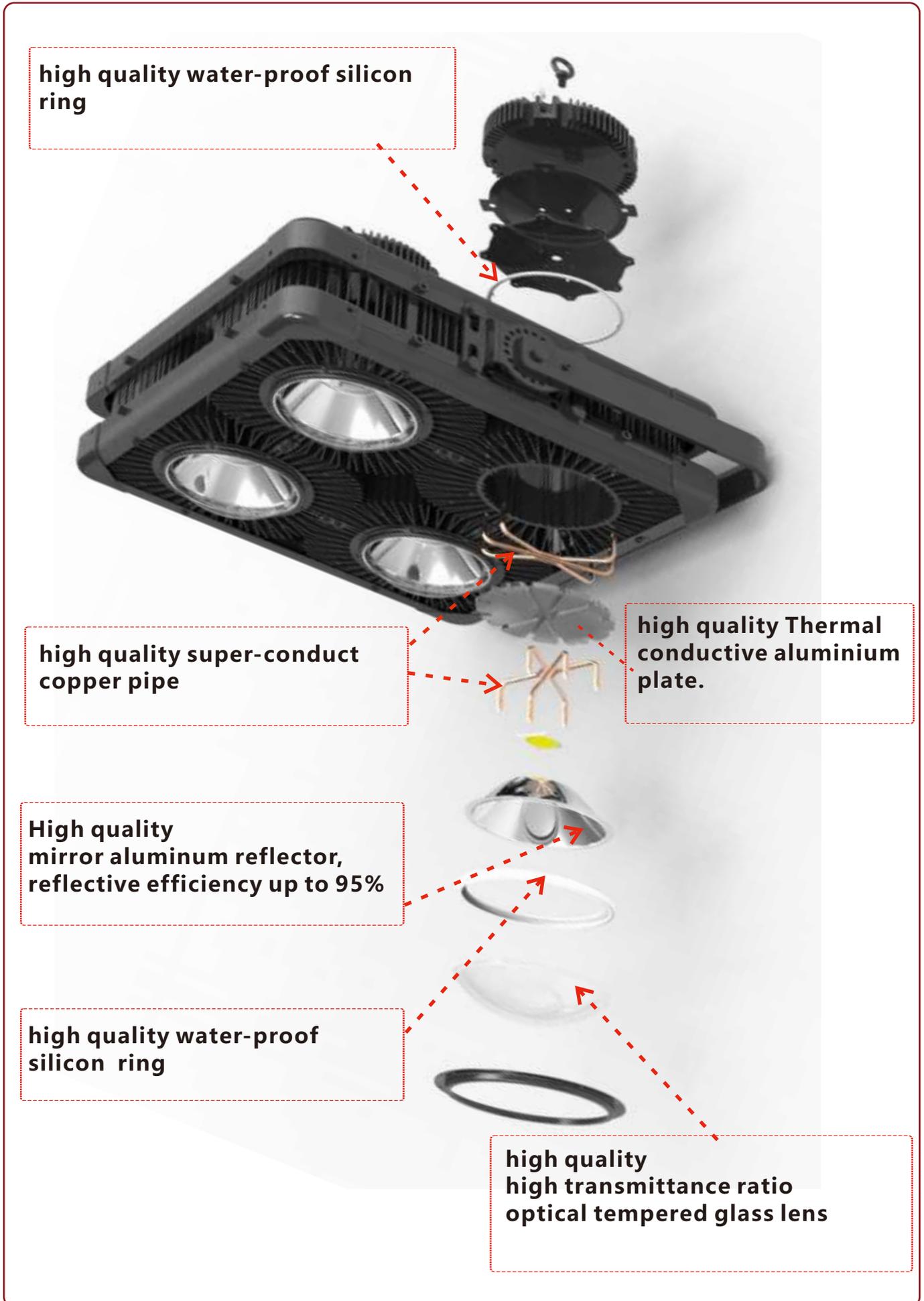
high quality LED driver
LB/Inventor/susen/meanwell etc.

antirust steel compass
for mounting U bracket

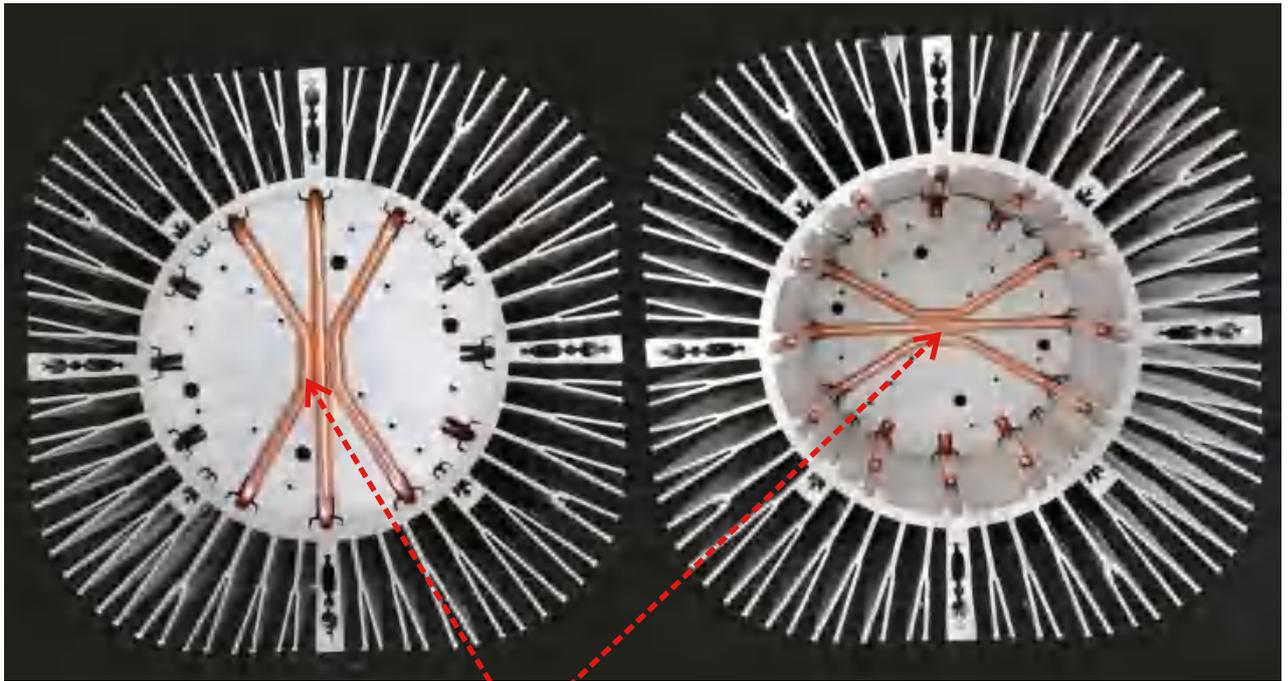
8mm thickness super strong
antirust steel U bracket,
it can rotate 360°



4.4 product inner special structure



4.5 product details



the heatsink was made of high quality extruded 6063 aluminium , and it was built-in double-side Copper superconducting heat pipe, mkae it have strong ability of Heat dissipation and heat transfer, solve the big problem of heat and light decay of LED products.

4.6 easy installaion and 360° rotation



bracket can be rotated 360°and fixed as your expecting angle

4.7 resist strong typhoon



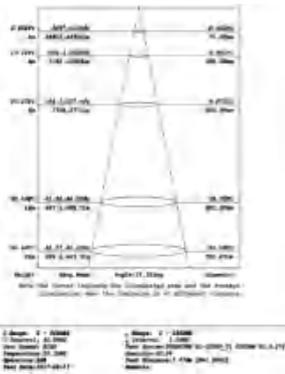
Product hollowed-out design, small windward area, can resist strong typhoon, very suitable for high pole, gymnasium, ports and other outdoor places lighting.



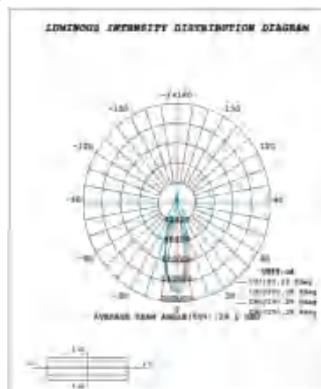
4.8 optical parameter and lights distributor curve



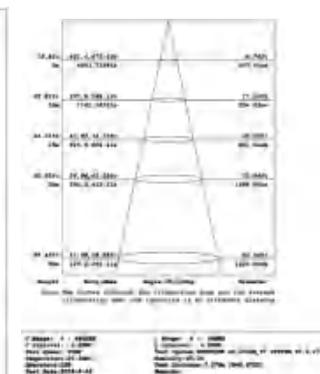
beam angle:20°



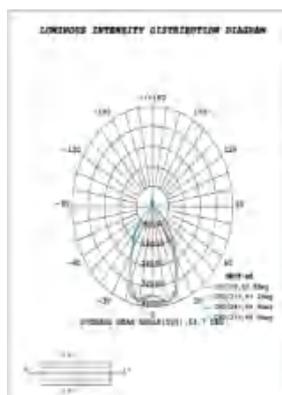
when power:500W



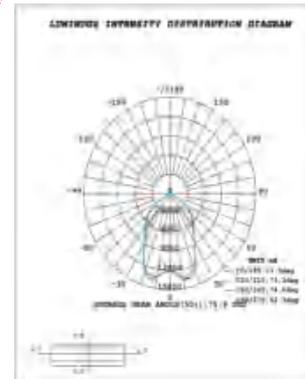
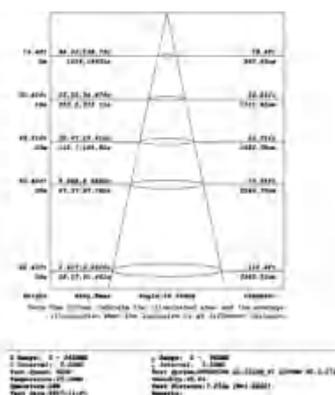
beam angle:30°



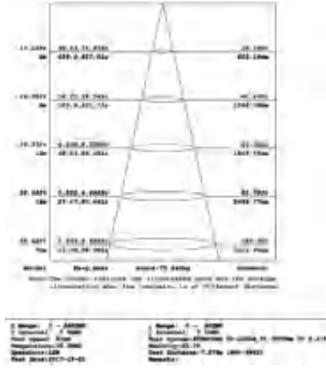
when power:750W



beam angle:60° when power:400W



beam angle:80°



when power:200W

4.9 flip-chip COB light source, never burn out



never failed (burnt)
more than 5years

Flip-chip COB light source advantage

1. adopts vertical packaging structure, no sapphire heat dissipation layer, no golden wire welding, the chip is in direct contact with the heat dissipation base, so that the heat of the LED chip can be emitted quickly, can withstand higher temperature and load large electric current;
- 2.the size can be smaller, the optics are easier to design, especially for outdoor lighting with high power and small beam angle, this is much better than SMD lights;
3. since of better heat dissipation, so the lifetime of the chip has been improved a lot, light decay is smaller;
4. better of antistatic ability, more suitable for outdoor complicated environment of surrounded by other electrical appliances;
- 5.our company has adopted flip-chip COB light source for more than 5 years, it is never burnt, zero failure, if you use our flip-chip COB products, we promise the warranty of light source will extended 1 year based on the warranty of product.

4.10 IP grade:IP65

Structural waterproof
real IP65



4.11 UL certificate

CERTIFICATE OF COMPLIANCE

Certificate Number 20150211-E472884
Report Reference E472884-20150129
Issue Date 2015-FEBRUARY-11

Issued to: LIGHTING BEST INTERNATIONAL LTD
ZONE A FL12,BLDG 22 CHUANGYE INDUSTRIAL ZONE
SHAPUWEI COMMUNITY SONGGANG ST BAOAN
SHENZHEN ,518104 CHINA

This is to certify that representative samples of LIGHT-EMITTING-DIODE SURFACE-MOUNTED LUMINAIRES Suitable for wet Locations, Models: LB-DM500-WAAA, LB-DM500-WBBB, LB-DM500-WAAA, LB-DM500-WBBB, LB-FS100-WAAA, LB-FS115-WAAA, LB-FS200-WAAA, LB-FS225-WAAA, LB-FS290-WAAA, LB-FS300-WAAA, LB-FS350-WAAA, LB-FS350-WBBB, LB-FS408-WAAA, LB-FS408-WBBB, LB-FS408-WCCC, LB-FS500-WAAA, LB-FS500-WBBB, LB-ID320-WCCC, LB-ID320-WDDD, LB-IM160-WAAA, LB-IM160-WBBB, LB-IM160-WCCC, LB-IM200-WAAA, LB-IM200-WBBB, LB-IM250-WAAA, LB-IM320-WAAA, LB-IM320-WBBB, LB-IM320-WCCC, LB-IM320-WDDD, LB-IS200-WBBB, LB-RS530-WAAA, LB-RS595-WAAA, LB-RS600-WAAA.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1598 and CSA C22.2 No. 250.0-08 - Luminaires
UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products

Additional information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Barthel

Erica Mahanobly, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contact.



4.12 CE/Rohs/IP65certificatate

Certificate - Сертификат - 증명서 - 證明書 - Certificat - 證書

Shenzhen ZKT Technology Co., Ltd.
1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue,
Fuhai Street, Bao'an District, Shenzhen, China



Certificate of Compliance

Certificate Number: ZKT-24062010231C

Certificate's Holder : Lighting Best International Limited
F12, bldg 22(Pujing Semiconductor Ind.Park),Chuangye Ind. Zone, Shapuwai Community Songgang St, Baoan, Shenzhen

Manufacturer : Lighting Best International Limited
F12, bldg 22(Pujing Semiconductor Ind.Park),Chuangye Ind. Zone, Shapuwai Community Songgang St, Baoan, Shenzhen

Trade Mark : N/A

Product : LED Flood Light

Model(s) : LB-FS100-WAAA
LB-FS115-WAAA, LB-FS225-WAAA, LB-FS250-WAAA, LB-FS200-WAAA, LB-FS300-WAAA, LB-FS350-WAAA, LB-FS380-WBBB, LB-FS405-WAAA, LB-FS408-WBBB, LB-FS408-WCCC, LB-FS600-WAAA, LB-FS600-WBBB, LB-IM160-WAAA, LB-IM160-WBBB, LB-IM160-WCCC, LB-IM200-WAAA, LB-IM200-WBBB, LB-IM250-WAAA, LB-IM320-WAAA, LB-IM320-WBBB, LB-IM320-WCCC, LB-IM320-WDDD, LB-DM500-WAAA, LB-DM500-WBBB

Test Standard : EN 60529:1991+A1:2000+A2:2013

This Attestation of Conformity is issued on a voluntary basis for electrical equipment below the voltage limit of Low Voltage Directive 2014/53/EU. The essential requirements are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes outside. It is only valid in connection with the test report number ZKT-04002010231C.

IP65



This Certificate of Conformity is based on the self-evaluation of the submitted samples of the above mentioned product. It does not imply an assessment of the entire product and related. Declaration to be issued.

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Shenzhen ZKT Technology Co., Ltd.
1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue,
Fuhai Street, Bao'an District, Shenzhen, China



Certificate of Compliance

Certificate Number: ZKT-24062010230C

Certificate's Holder : Lighting Best International Limited
F12, bldg 22(Pujing Semiconductor Ind. Park),Chuangye Ind. Zone, Shapuwai Community, Songgang St, Baoan, Shenzhen

Manufacturer : Lighting Best International Limited
F12, bldg 22(Pujing Semiconductor Ind. Park),Chuangye Ind. Zone, Shapuwai Community, Songgang St, Baoan, Shenzhen

Trade Mark : N/A

Product : LED Flood Light

Model(s) : LB-FS100-WAAA
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Test Method : IEC 62321-5:2014 & IEC 62321-4:2013+A1:2017
IEC 62321-7:2017 & IEC 62321-6:2015 & IEC 62321-2:2017
IEC 62321-3-1:2013 & IEC 62321-7-1:2015

The following product have been tested by us and found in conformity with the (RoHS) Directive 2011/65/EU Annex II amending Annex I (EU)2015/863 and Amending Annex (EU)2017/2003. It is possible to use CE Marking to demonstrate the conformity with this Directive (It is only valid in connection with the test report number:ZKT-04002010230C).

RoHS



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Certificate - Сертификат - 증명서 - 證明書 - Certificat - 證書

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1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue,
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Certificate of Compliance

Certificate Number: ZKT-24062010228C

Certificate's Holder : Lighting Best International Limited
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Test Standard : EN 62493:2015+A1:2022
EN 60588-2-5:2016
EN IEC 60588-1:2021+A11:2022
EN IEC 62931:2020+A11:2021

This Attestation of Conformity is issued on a voluntary basis for electrical equipment below the voltage limit of Low Voltage Directive 2014/53/EU. The essential requirements are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes outside. It is only valid in connection with the test report number: ZKT-04002010228C.

CE



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1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue,
Fuhai Street, Bao'an District, Shenzhen, China



Certificate of Compliance

Certificate Number: ZKT-24062010225C

Certificate's Holder : Lighting Best International Limited
F12, bldg 22(Pujing Semiconductor Ind. Park),Chuangye Ind. Zone, Shapuwai Community, Songgang St, Baoan, Shenzhen

Manufacturer : Lighting Best International Limited
F12, bldg 22(Pujing Semiconductor Ind. Park),Chuangye Ind. Zone, Shapuwai Community, Songgang St, Baoan, Shenzhen

Trade Mark : N/A

Product : LED Flood Light

Model(s) : LB-FS100-WAAA
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Test Standard : EN IEC 58076:2019+A11:2020, EN IEC 61827:2023
EN IEC 61000-3-2:2019(A1):2021(A2):2024,
EN 61000-3-3:2013(A1):2019(A2):2021
EN 61001-1:2020, EN IEC 61000-4-3:2020,
EN 61000-4-4:2012, EN 61000-4-5:2014+A1:2017,
EN IEC 61000-4-6:2023, EN 61000-4-7:2019,
EN IEC 61000-4-11:2020

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limit of EMC Directive 2014/53/EU. The essential requirements are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes outside. It is only valid in connection with the test report number: ZKT-04002010225C.

CE

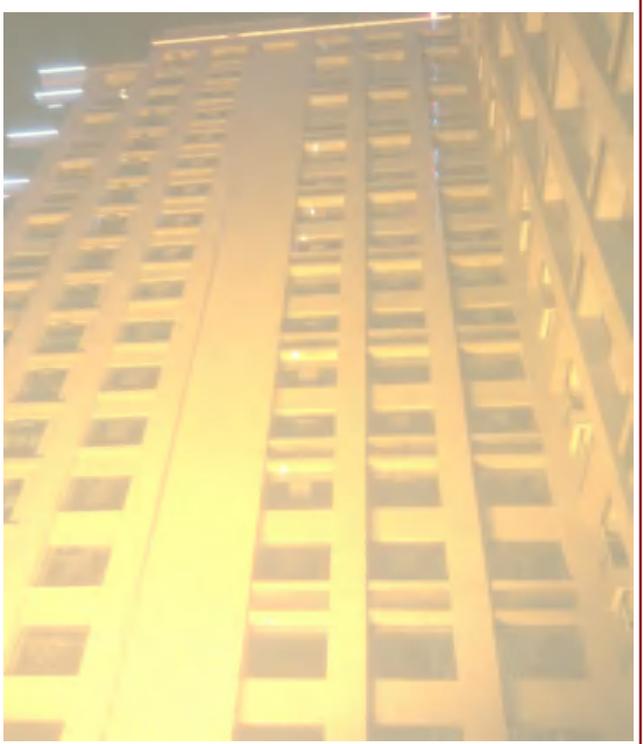


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5. application scene

general:Tunnel,Highway,Gas Station,Factory, Warehouse, Workshop, Square, Parking Lot, Supermarket, advertising lighting, Garden,Public place etc.



6 packing



6. Contact us

mobile/wechat/whatsapp/skype(same number)

+86 13316916698