



# **Lighting Best International Ltd.**

## **Product specification**



**Model No.:LB-F300-WAAA**

**Product name:**  
**60-100W LED flood light**

## **1. Main picture**



**standard version**



**with PIR and daylight sensor**



**silver**



**brown**

## 2. product feature

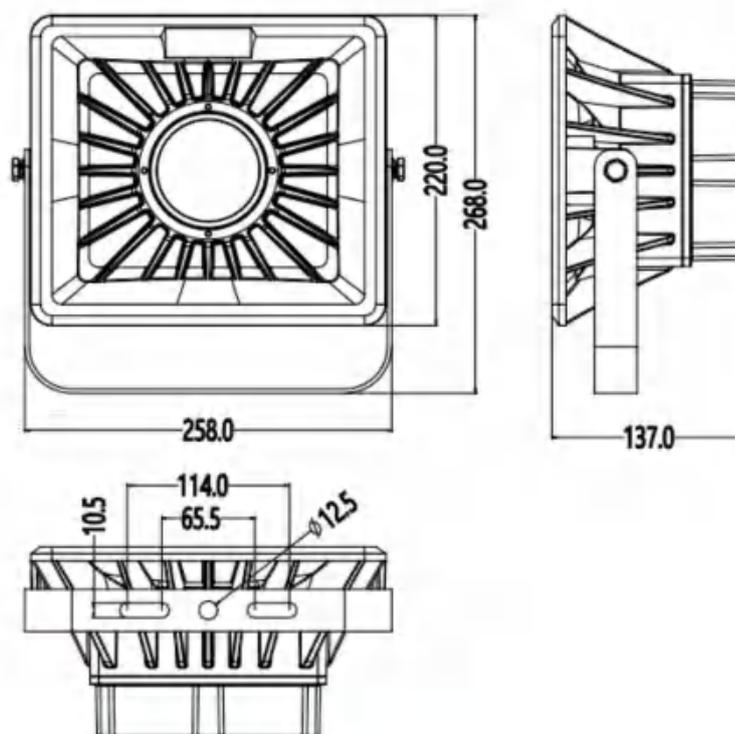
1. High-quality die-cast aluminum shell, product hollowed-out design, excellent heat transfer and dissipation effect, the product light decay is very small; it is solid , durable and long lifetime;
2. Optical toughened glass lens, dust-proof, corrosion-proof, anti-oxidation, weather resistance, strong marine resistance, wear resistance; easy to maintain.
3. IP grade :Ip65;
4. UL listed



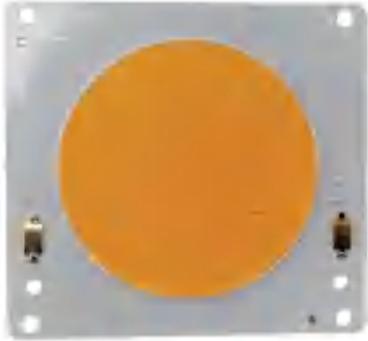
## 3.Quick Details

Keyword:	LED flood Light	Working Temperature(°C):	35 ~ 60
Model Number:	LB-FS300-WAAA	storage temperature	-30°C ~ +50°C
power range	60 ~ 100W	main material of Housing	Die-cast of Aluminum and glass lens
power factor	> 0.95	IP Rating:	IP65 Waterproof
Color Temperature(CCT):	3000k-6500k optional	Place of Origin:	China
LED type	flip chip COB	Brand Name:	lightingbest or customize
LED Chip Brand:	cree/bridgelux/citizen/SanAn/others	Application:	warehouse, factory, machine, landscape, advertising lighting
Luminous Efficiency(lm/w):	max130LM/W(when CCT6000K)	Warranty	5-Year
Extra function optional /Smart Functions:	dimnable,RGB,emergency	CCT available	3000K/4000K/5000K/5700K/6500K
support customize	yes	Beam angle:	20° /100°
CRI (Ra>):	70 ~ 90 optional	Driver Brand:	sosun/lightingbest/others
Input Voltage(V):	AC100 ~ 277V/50/60HZ	certificate	CE, Rohs, UL
packing size(mm)	310x190x295	N.W./G.W. (kg)	3.2/3.7

## 4.1 product diemension



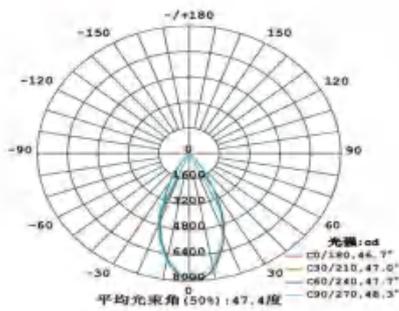
## 4.2 LED: flip-chip COB



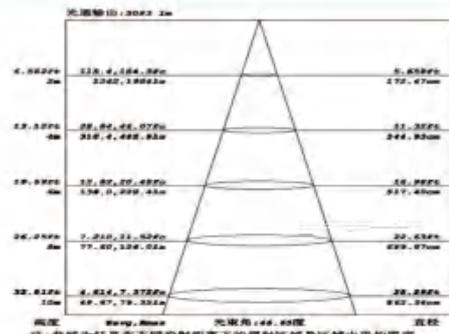
never burnt, zero failure for more than 5years

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 extend 1 year based on the warranty of product**.

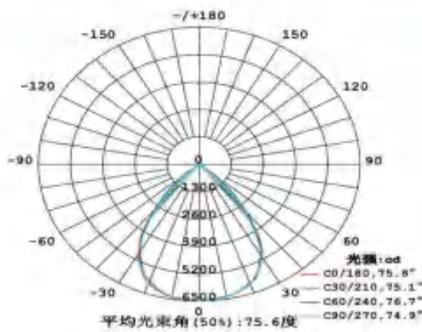
## 4.3 optical parameter and lights distributor curve



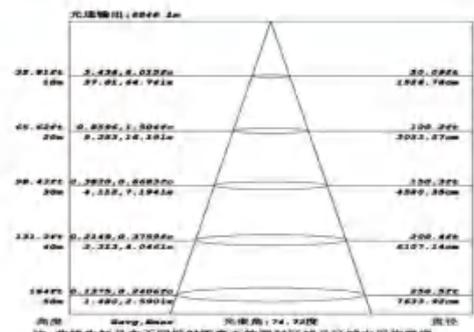
beam angle:50°



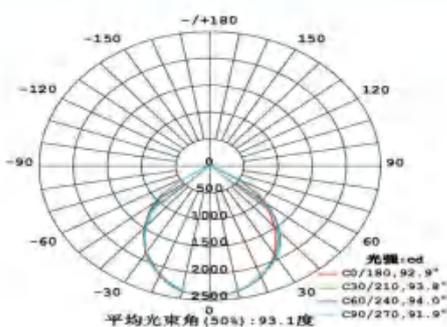
when power:60W



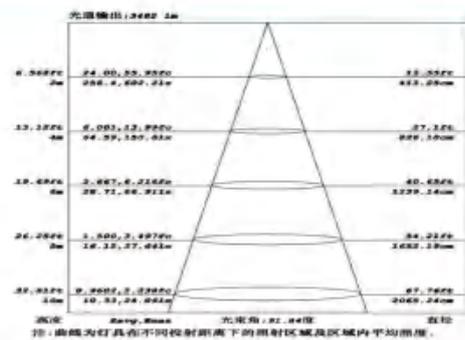
beam angle:75°



when power:80W

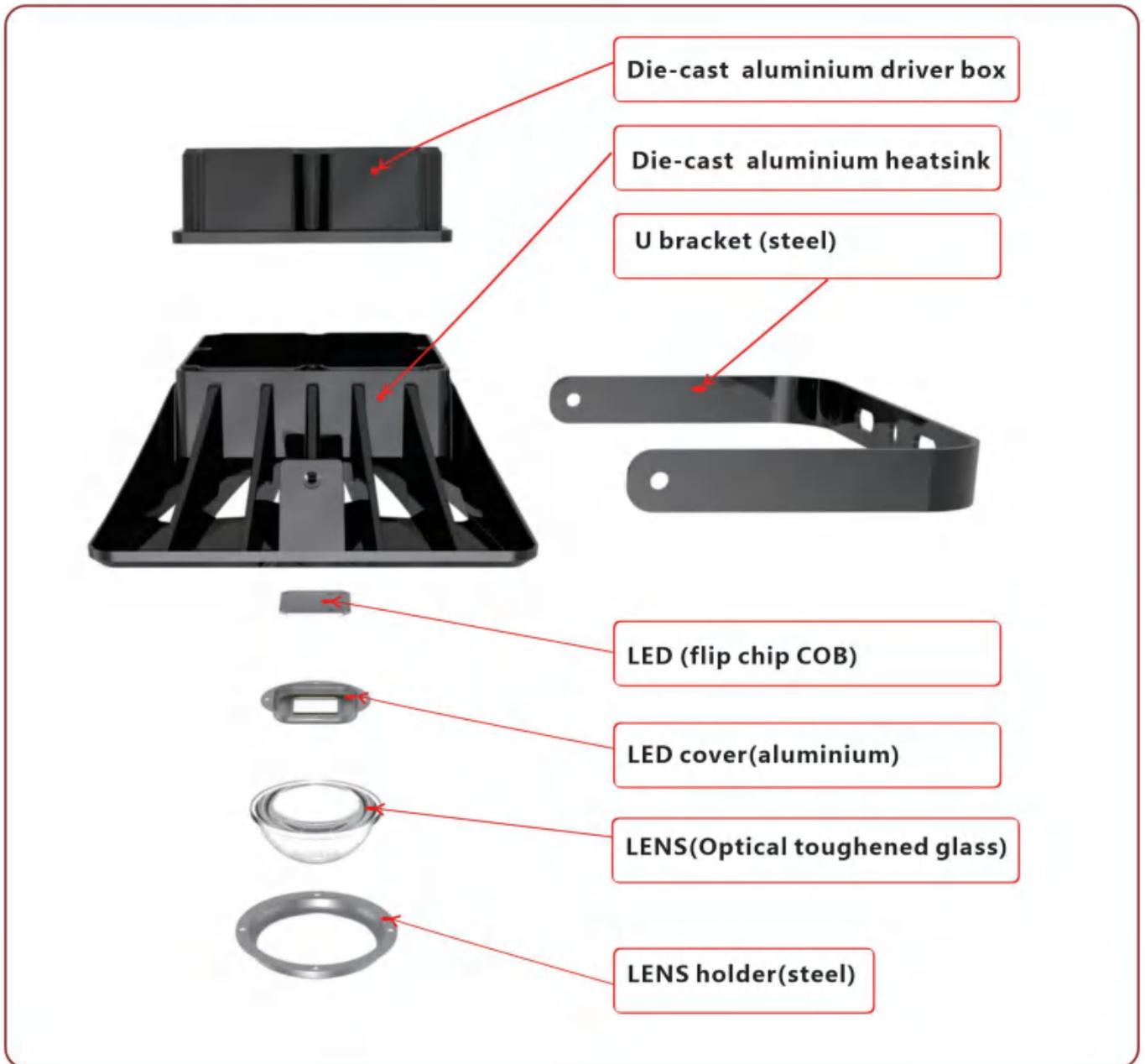


beam angle:100°

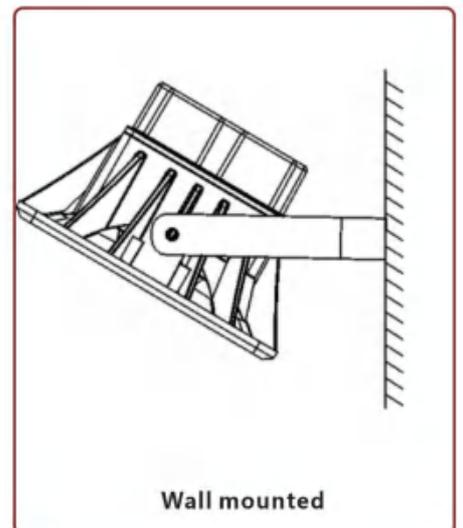
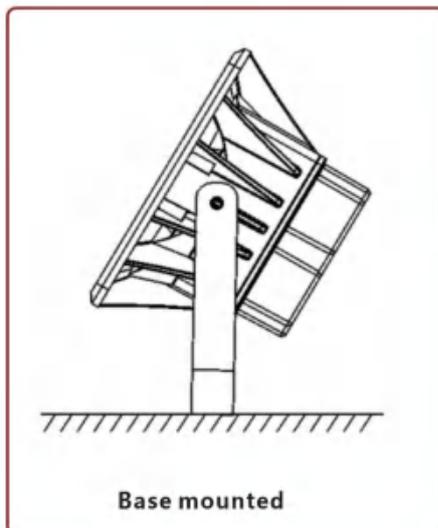
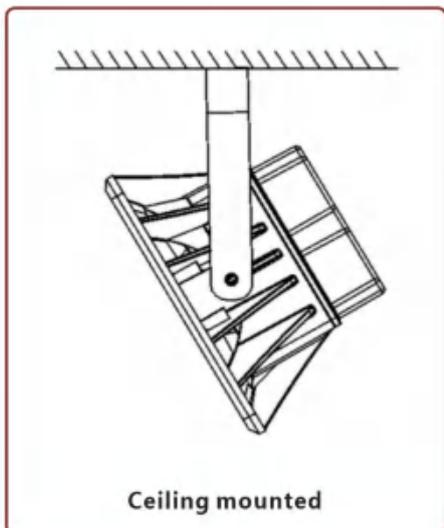


when power:60W

## 4.4 main components



## 4.5 mounting



## 4.6 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](http://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.

*B. Mahesh*

Bruce Mahesh, 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 [cs@ul.com/contact](mailto:cs@ul.com/contact).



# 4.7 CE, Rohs & Ip65 certificate

**TCD**

## Certificate of Compliance

REPORT NO: TCD2015032310309E-1  
 CERTIFICATE NO: TCD2015032310309E-1

**Applicant** : Lighting Best International Limited  
**Address** : F12,Mdgy 22(Pujing Semiconductor Ind.Park),Chuangye Ind. Zone, Shapuwai Community,Songgang St,Baoshan,Shenzhen

**Manufacturer** : Lighting Best International Limited  
**Address** : F12,Mdgy 22(Pujing Semiconductor Ind.Park),Chuangye Ind. Zone, Shapuwai Community,Songgang St,Baoshan,Shenzhen

**Product** : LED Flood Light  
**Model** : LB-PS115-W016, LB-PS150-W020, LB-FS225-W030, LB-FM290-W050, LB-FS290-W040, LB-FS300-W050, LB-FS300-W060, LB-FS400-W100, LB-FS400-W120, LB-FS400-W150, LB-FD200-W100, LB-FS100-W010, LB-FS100-W020, LB-FS200-W020, LB-FS300-W030, LB-FS300-W040, LB-FS250-W050, LB-FS300-W040, LB-FS300-W050, LB-FS300-W060, LB-FQ300-W090, LB-FS300-W090, LB-FS350-W100, LB-FS350-W120, LB-FS350-W150, LB-FS350-W180, LB-FM400-W100, LB-FS400-W100, LB-FS400-W120, LB-FS400-W150, LB-FM400-W200, LB-FM400-W240, LB-FD300-W120, LB-FD300-W160, LB-TT300-W150, LB-TT300-W180, LB-TT300-W200, LB-WM005-W012, LB-WM005-W030, LB-WM005-W072

**Rated** : LB-FS400-W200,200W,AC 100-240V,50/60Hz

**Test Standard** : EN 50115:2013  
 EN 61347:2009  
 EN 61000-3-2:2006+A1:2009+A2:2011  
 EN 61000-3-2:2011

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2014/53/EU, it is possible to use CE marking to demonstrate the compliance with this EMC Directive.

The certificate applies to the tested sample alone mentioned only and shall not imply an assessment of the whole production, it is only valid in connection with the test report number :TCD2015032310309E-1

Chief Engineer  
 Date of Issue: Mar.23,2015




Shenzhen TCD Testing Technology Co.,LTD.  
 Tel: 8756-2976 8321 Fax: 8756-2978 1725  
 #F,Lanzhou Building,Center 1 Road,N 5 Jiang Street,Baoshan District, Shenzhen,Guangdong,China

**TCD**

## Certificate of Compliance

REPORT NO: TCD2015032310309S-1  
 CERTIFICATE NO: TCD2015032310309S-1

**Applicant** : Lighting Best International Limited  
**Address** : F12,Mdgy 22(Pujing Semiconductor Ind.Park),Chuangye Ind. Zone, Shapuwai Community,Songgang St,Baoshan,Shenzhen

**Manufacturer** : Lighting Best International Limited  
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**Product** : LED Flood Light  
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**Rated** : LB-FS400-W200,200W,AC 100-240V,50/60Hz

**Test Standard** : EN 62001:2008  
 EN 62483:2010  
 EN 60908-1:2008+A11:2009

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2006/95/EC, it is possible to use CE marking to demonstrate the compliance with this LVD Directive.

The certificate applies to the tested sample alone mentioned only and shall not imply an assessment of the whole production, it is only valid in connection with the test report number :TCD2015032310309S-1

Chief Engineer  
 Date of Issue: Mar.23,2015




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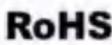
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**Rated** : LB-FS400-W200,200W,AC 100-240V,50/60Hz

**Test Standard** : EPA 3000B-1994,EN1122:2001  
 EPA 3002-1994,EPA 3080A-1999  
 EPA 7190A-1992, EPA 3540C-1996, EPA427D-2007  
 IEC 62321:2008

This is to certify that, on the basis of the tests undertaken as per Report No.: TCD2015032310309R-1, the submitted sample of the above item complies with. And fulfills testing requirement of the ROHS directive 2011/65/EU

Chief Engineer  
 Date of Issue: Mar.23,2015




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 #F,Lanzhou Building,Center 1 Road,N 5 Jiang Street,Baoshan District, Shenzhen,Guangdong,China

**TCD**

## Certificate of Compliance

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**Rated** : LB-FS400-W200,200W,AC 100-240V,50/60Hz

**Test Standard** : EN 60528:1991/A1:2000

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Chief Engineer  
 Date of Issue: Mar.23,2015




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## 5. application scene

General application:warehouse, factory, machine, landscape, advertising lighting, etc.



## 6. contact us

mobile/wechat/whatsapp/skype(same number)

**+86 13316916698**