EN 18

PLUS 18

CB

CE

IEC

RoHS

IK10

10KV

IP66

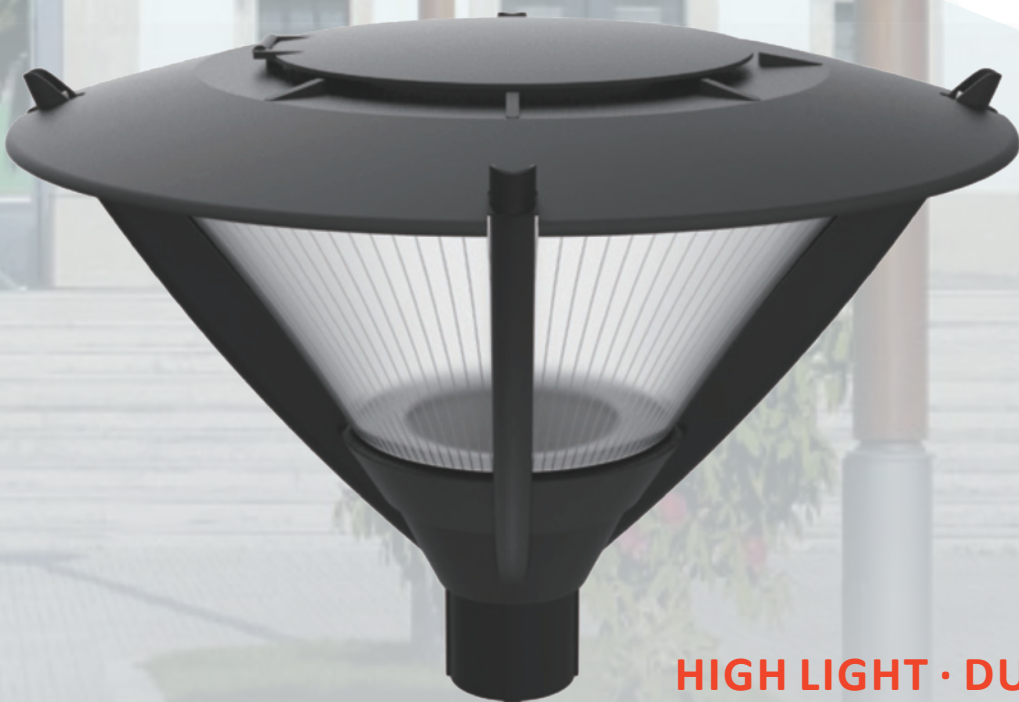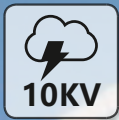5 YEAR WARRANTY

COMPRESSION TEST

IES TM –21

IES LM –79

LED GARDEN LIGHT

BB-LD-XXXW-AX

HIGH LIGHT · DURABLE · SAVE COST
50W/60W/70W/80W/90W

Suitable for Parks/Gardens/ Squares/ Outdoor parking lots/ Residential ar
Villa gardens/Industrial parks/Road lighting/ Lake landscape lighting

LED Garder lights is a device which are consist of aluminum alloy frame, LED light source model and driver. It can be a replacementof HID and other traditional light fixture, provided with higher efficacy, a longer lifetime 50,000H at least or even more upto 50,000H and very lower breakdown opportunity, higher reliability and better cost than any light before.The high-performance, IP66-rated luminaire delivers a minimum of 150 lm/W, providing significant energy savings while remaining durable in the field.
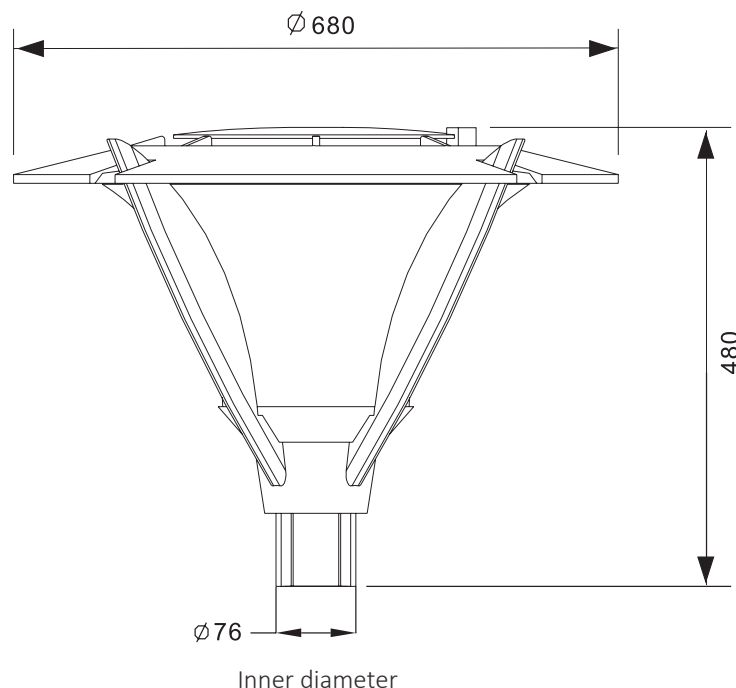
▶ Features

☑ European and American design style, high quality aluminum die casting, Surfacepainting process, never fade, anti-cracking.

☑ Adopt aerodynamic design, take heat away quickly, keep low temperature for heat sink and LED chip for longer lifespan and higher light efficiency.

☑ All the screws are 304stainless steel screws with stronger corrosion resistance ability

☑ Use branded led chip, high CRI, light efficiency up to 150 lm/W, low light decay and long lifespan.

☑ Through various of experimental tests: wind resistance level test, conduction radiation, 3.0G seismic test, UV aging test, RED test, high-low temperature cycle test.

☑ Use waterproof connector can prevent wire drag, and Waterproof ip66 more reliable.

☑ 10KV anti-surge LED driver, installed on die casting cover of led driver, take heat away quickly to keep lower temperature and longer lifespan

☑ Guaranteed quality, products by LVD ; ENEC ; ENEC+ ; CB ; CE and ROHS, international authentication.

▶ Dimension

Unit: mm

∅ 680

480

∅ 76

Inner diameter

BBIER www.bbier.com

DATA SHEET

Power	50W	60W	70W	80W	90W
Luminous Flux	6500lm	7800lm	9100lm	10400lm	11700lm
Model	BB-LD-50W-AX	BB-LD-60W-AX	BB-LD-70W-AX	BB-LD-80W-AX	BB-LD- 90W-AX
Model description	The "XXX" on behalf of the power, can be 010-090, 010=10W,011=11W……. 090=90W, wattage interval is 1W. The "X" can be:0,1,2,3; '0' means there is no zhaga connector and surge protector; '1' means there is no zhaga connector, but with surge protector in luminaire; '2' means there is zhaga connector, but without surge protector in luminaire; '3' means there is zhaga connector, and with surge protector in luminaire				
Dimension(mm)	⌀680 X H480				
Net weight	11.7kg(27.55lb)				
Beam Angle	Type I ; Type II ;Type III				
Materials	Aluminum alloy+PC lens				
Luminous Efficacy	130lm/W				
Operation Temp	-40 to +45°C				
CCT	2700K SW/3000K WW /4100K NW/5000K DW/5700K CW /6500K SCW				
CRI	70+				
Life Span	50,000 hours at 25°C				
Voltage	100-277VAC/50-60Hz ,200-480VAC/50-60Hz				
Driver	UL listed power supply				
Sensor	Intelligent controller ; Microwave sensor(Optional)				
Luminous Source	5050 LED SMD(3030 chip otional)				
IP rating	Ip66				
PF	>0.95				
Warranty	5 Years				
Certification	LVD ; ENEC ; ENEC+ ; CB ; CE and ROHS				

▶ Ordering Information

Model:BB-LD-XXXW-AX   For example:BB-LD-80W-AX-LS-50K701-WB

| Electric Character			Optics Character			Physical Character	
A	B	C	D	E	F	G	H
Rated power	**Input voltage**	**Driver brand**	**CCT**	**CRI**	**LED CHIP**	**controller**	**Color**
50W 60W 70W 80W 90W	Blank: L-100-277V H-200-480V	Blank: S-Sosen I-Inventronics M-Meanwell	27K-2700K 30K-3000K 40K-4000K 50K-5000K 57K-5700K 65K-6500K	Blank: 70-Ra70 80-Ra80 90-Ra90	Blank:1=5050 2=3030	**Blank:** W-Without **Z**-Zhaga Socket **ZM**-Zhaga Socket+Motion sensor **ZS**-Zhaga Socket+ Intelligent controller	Blank: B -Black G -Gray

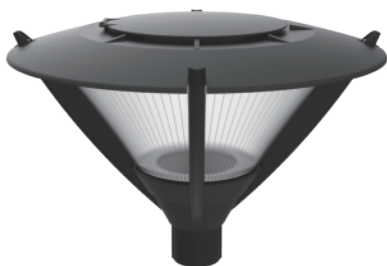## ▶ Surface Of Intensity Distribution
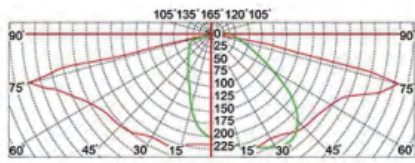
Type1
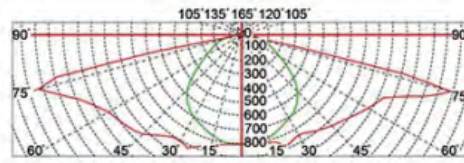
Type2
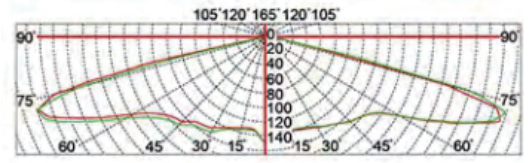
Type3

▶ Application case

Suitable for Parks/Gardens/ Squares/ Outdoor parking lots/ Residential areas/Villa gardens/Industrial parks/Road lighting/ Lake landscape lighting

▶ Optional accessory(Controller)

(ZHAGA)

Standard style

Add controller

Open the lid

(ZHAGA)

Intelligent controller (optional)

Microwave controller (optional)

▶ Intelligent Controller Function(optional)

LORA transmission, support LORAWAN

With standard ZHAGA(book 18) 4-PIN interface, plug and play

Remotely turn ON/OFF

Photocell auto control

Auto-reporting electrical parameters and total energy, remote resetting

Lamp failure detection and automatic notification for alarms

DALI 2.0 protocol, work with D4i and Philips SR series driver

Remotely read electrical parameters

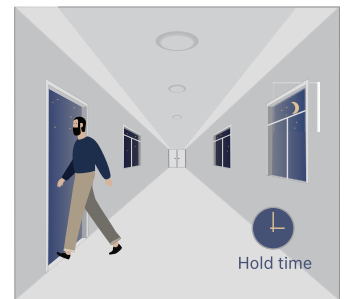## ▶ Microwave controller function (optional)

1. Automatically ON/OFF function
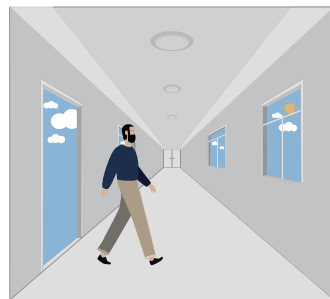
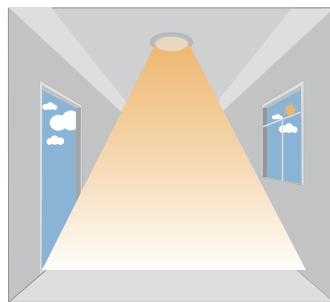With sufficient daylight, even when motion detected,light remains OFF.
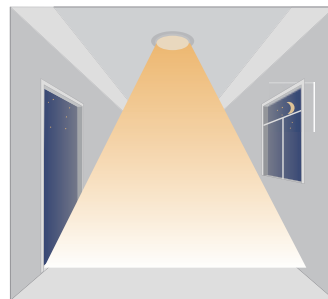
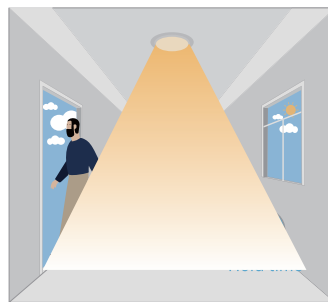With insufficient daylight, the sensor turns light ON when motion gets detected.

The sensor turns OFF light automatically after the holdtime when there's no motion detected.
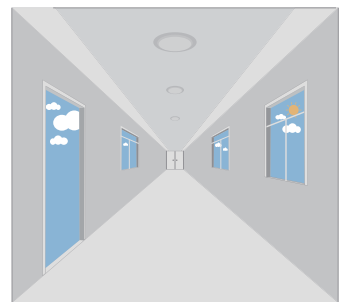
2. Daylight Disable

When daylight threshold is preset as "disable", the sensor turns light ON when motion gets detected, and OFF after holdtime.
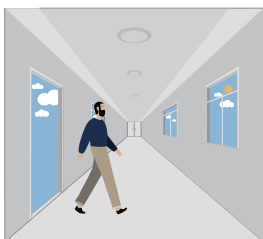
The sensor turns light ON when motion gets detected.

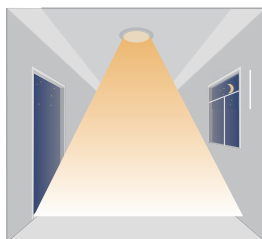The sensor keeps light ON for holdtime period after motion leaves.

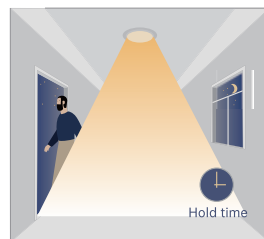The sensor turns OFF light automatically after the holdtime.

3. Corridor Function, Bi- level Dimmable

With sufficient daylight, the sensor keeps light OFF even motion gets detected.

With insufficient daylight, the sensor turns light ON when motion gets detected.

After there's no motion detected, the sensor keeps light ON 100% for holdtime.
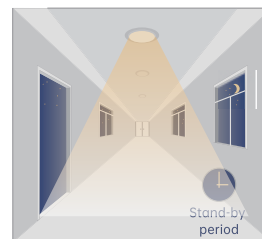
After holdtime sensor dims light to standby dimming level for standby period.If the standby period has been set as OS,sensor turns light OFF automatically after holdtime.

The sensor turns OFF light automatically after the standby period when there's no motion detected.

INSTALLATION INSTRUCTION

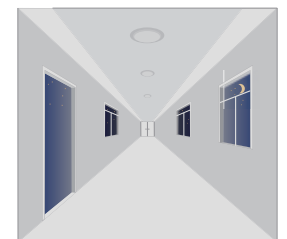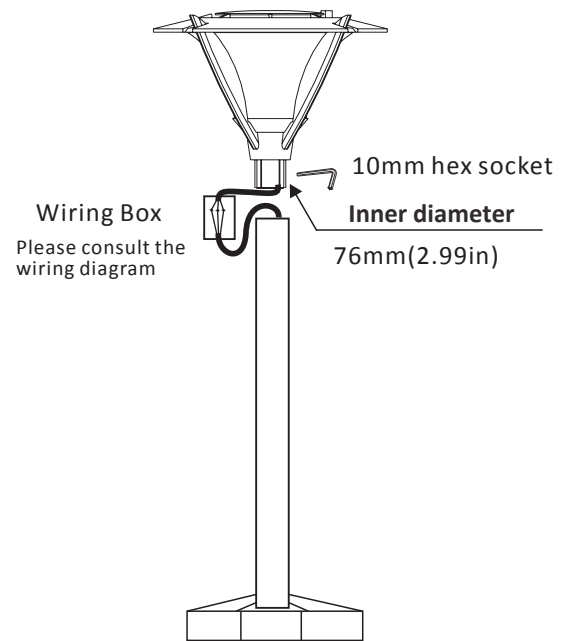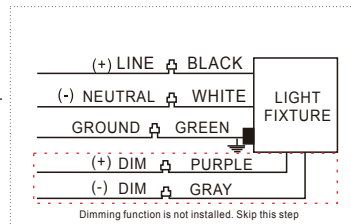1. Take out the lamp from the packing case

2.To connect the wires, see the wiring diagram below

3. Insert the lamp into the lamp pole, and tighten the four screw lamps with a 10mm hex wrench

10mm hex socket

Wiring Box
Please consult the wiring diagram

Inner diameter
76mm(2.99in)

⚠ CAUTION	The luminaires are intended for outdoor use
Outdoor use	
OFF	All the operations must be in the condition of power off

▶ Wiring

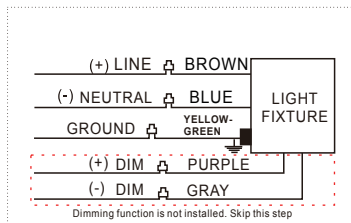### (US)

* Connect the black fixture lead to the (+) LINE supply lead.

* Connect the white fixture lead to the (-) NEUTRAL supply lead.

* Connect the green ground wire form fixture to supply ground.

* Connect the purple fixture lead to the (+) dimmer.

* Connect the gray fixture lead to the (-) dimmer.

```
(+) LINE    BLACK
(-) NEUTRAL WHITE      LIGHT
GROUND      GREEN      FIXTURE
(+) DIM     PURPLE
(-) DIM     GRAY
Dimming function is not installed. Skip this step
```

(EU/CN)

* Connect the brown fixture lead to the (+) LINE supply lead.

* Connect the blue fixture lead to the (-) NEUTRAL supply lead.

* Connect the yellow-green wire form fixture to supply ground.

* Connect the purple fixture lead to the (+) dimmer.

* Connect the gray fixture lead to the (-) dimmer.

```
(+) LINE    BROWN
(-) NEUTRAL BLUE       LIGHT
GROUND      YELLOW-    FIXTURE
            GREEN
(+) DIM     PURPLE
(-) DIM     GRAY
Dimming function is not installed. Skip this step
```

▶ Package

Item	Packaging	Carton Size(mm)	N.W	G.W
All models	1pc/CTN	700X700X500	11.7kg (25.79lb)	12.5kg (27.55lb)