



FDV
BA-lighting

BA508-AL45-30W-SS

Introduction

With high performance(Non-dimmable, Emergency, Sensor, Sensor+Emergency). Easy to install: labor-saver(quick terminal block design) , Connect in series(Opening wiring and concealed wiring are optional). IP65, IK10. Easier maintenance, as the driver can be replaced easily, different standard drivers in the market can be matched.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- 120° wide beam angle
- CCT: 3000K 4000K 5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

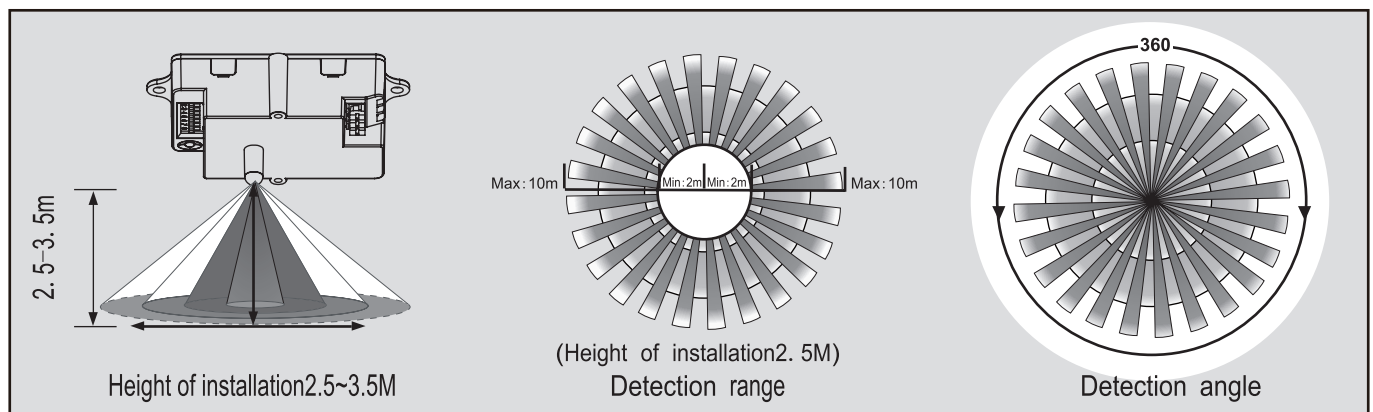
- IP65 both for indoor and outdoor use
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

Application Areas

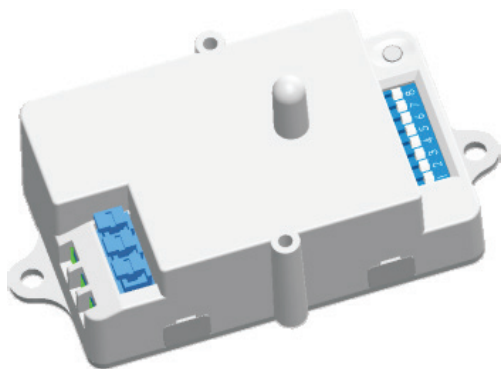
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.



SENSOR INFORMATION

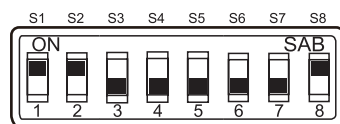


Sensor Setting



Default setting

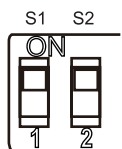
SENS:10M TIME:10S LUX:10lux



SK605B

Operating voltage	220~240Vac, 50/60Hz
Transmission power	<0.2mW
Rated load	1200W/5A,Max,tungsten(cosφ=1) 600W/2.5A,Max,fluorescent(cosφ=0.5)
HF system	5.8GHz CW electric wave, ISM band
Detection angle	360°
Detection range	2m/5m/8m/10m(radii).(adjustable)
Time setting	10sec±3sec/1min±10sec/5min±30sec/ 10min±1min/15min±1min/20min±2min/ 25min±2min/30min±3min(adjustable)
Light-control	Disable/10LUX/20LUX/50LUX/100LUX/200LUX/ 300LUX/500LUX(adjustable)
Installation sit	indoors, ceiling mounting
Working temperature	-15°C ~+70°C
Power consumption	approx. 0.5W

Detection range setting (sensitivity)



SENS: S1, S2

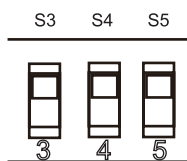
S1	S2	detection range
0	0	2m
0	1	5m
1	0	8m
1	1	10m

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor loght at a height of 2.5m, pull switch to the ON position as "1", pull switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:

Note: the above detection range is gained if the detected person is between 1.6m~1.7m tall with middle figure and moves at a speed of 1.0~1.5m/sec. if person's stature, figure and moving speed change, the detection distance will also change.

ATTENTION: When use thes product, please adjust the sensitivity to an appropriate position you need, please do not adjust the sensitivity to maximum, in case the product works abnormally because of wrong motion detection, including blowing leaves & curtains small animals, or even power grid & electrical equipment. All the above factors can lead to abnormal work. When the product does not work normally, please try to lower the sensitivity appropriately, and then test it.

Time setting



SENS: S3, S4, S5

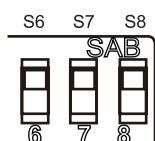
S3	S4	S5	TIME
0	0	0	10s
0	0	1	1min
0	1	0	5min
0	1	1	10min
1	0	0	15min
1	0	1	20min
1	1	0	25min
1	1	1	30min

The light can be set to stay ON for any period of time between approx. 10sec and a maximum of 30min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.

Pull switch to the ON position as "1", pull switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:

NOTE: after the light switches OFF, it takes approx. 4sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

Light-control setting

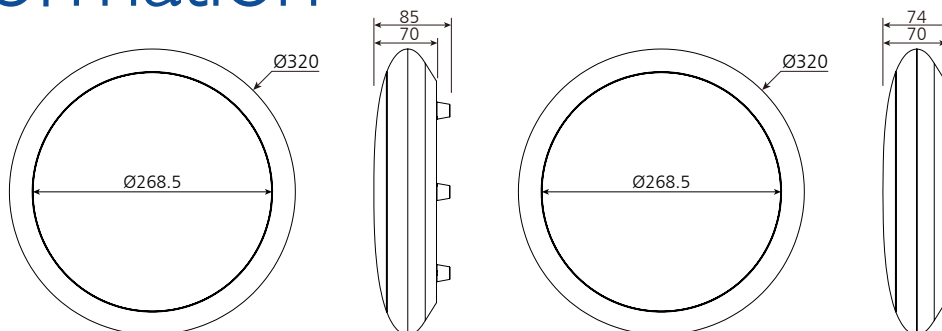


LUX: S6, S7, S8

S6	S7	S8	LUX
0	0	0	Disable
0	0	1	10LUX
0	1	0	20LUX
0	1	1	50LUX
1	0	0	100LUX
1	0	1	200LUX
1	1	0	300LUX
1	1	1	500LUX

The chosen light response threshold can be infinitely from approx. 10-500lux, pull switch to the ON position as "1", pull switch to the OFF position as "0", switch location and light-control of the corresponding table is as follows:

Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
BA-AL45-16-30W-SS	AC230V	30W	≥0.9	2880	3000K	120°	50,000h	≥80	No	Ø320*70mm
				3040	4000K					
				2880	5000K					
				2880	5700K					

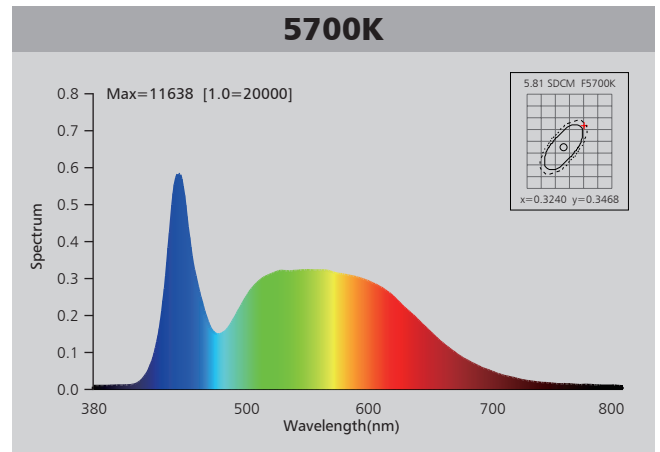
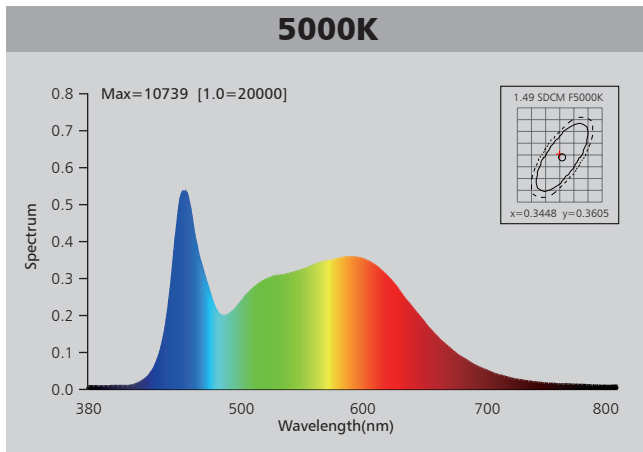
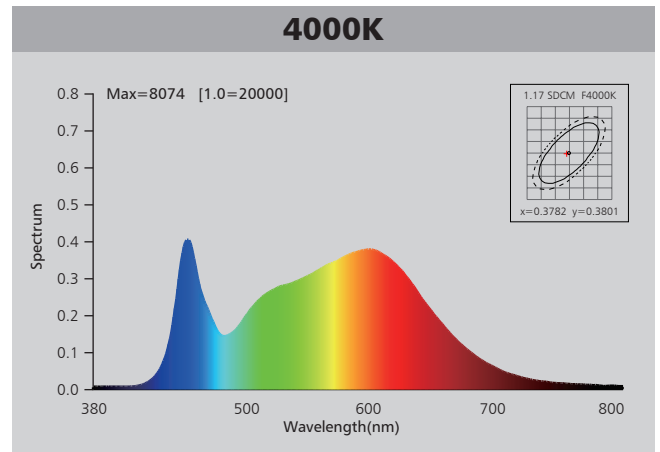
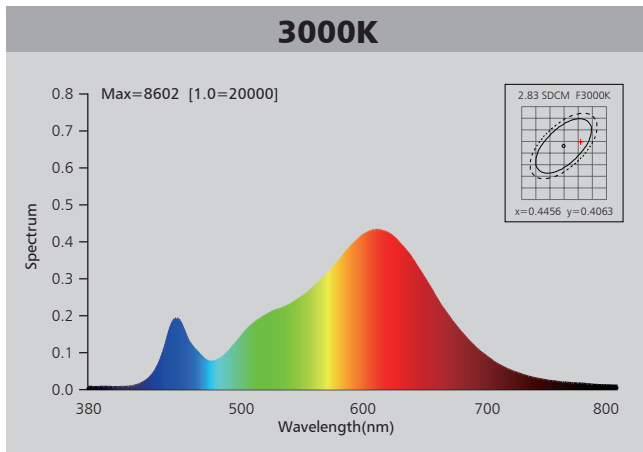
Driver data Sheet

Driver data	Sensor	Main Power
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50/60Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	—	≥86%
No load wattage	—	≤0.5W
Total load Wattage	2W±0.5W	25W±5%
Power Factor	0.5	≥0.9
Rated input current	≤0.02A	≤0.14A
Full load output Voltage	—	DC24-37V
Rated output current	—	680mA
Output current range	—	680mA±5%
Power tolerance	—	±5%
Current output tolerance	—	±5%
Hold time	10S/1Min/5Min/10Min/15Min/25Min/30Min	—
Detection distance	2m/5m/8m/10m	—
Daylight Sensor	10/20/50/100/200/300/500LUX	—
Short circuit protection	—	PASS
Over voltage protection	—	PASS
Over temperature protection	—	PASS
THD	—	≤18%
Withstand voltage	—	AC3750V

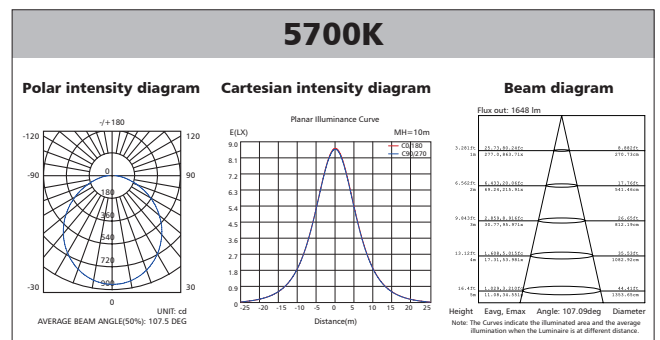
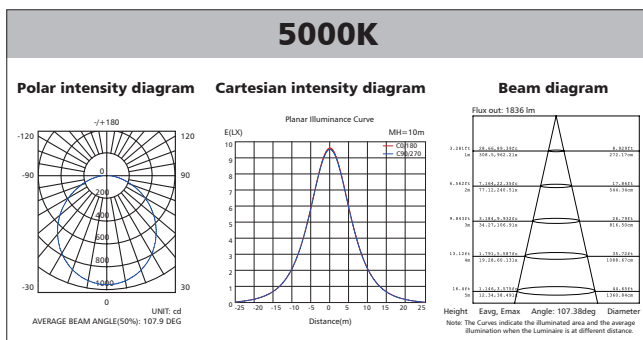
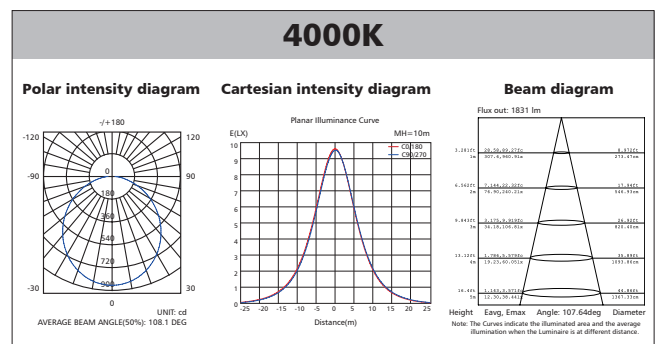
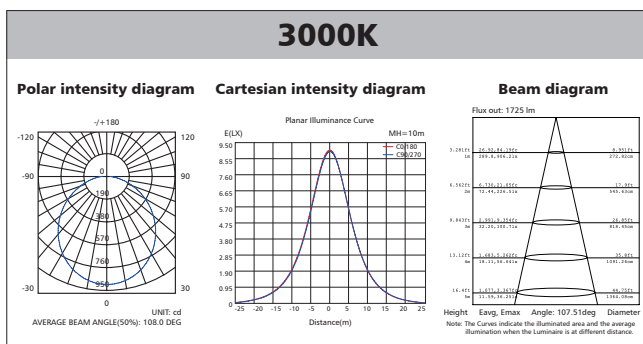
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
25W	II	IP65	-20°C~45°C	0~90%	-20°C~65°C

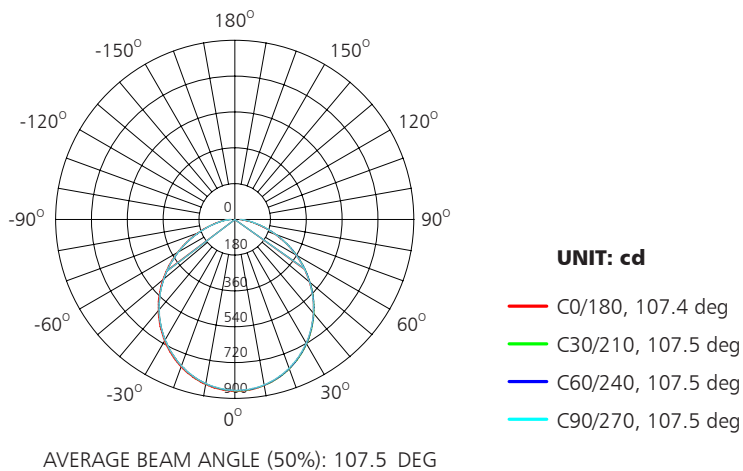
Spectral Distribution



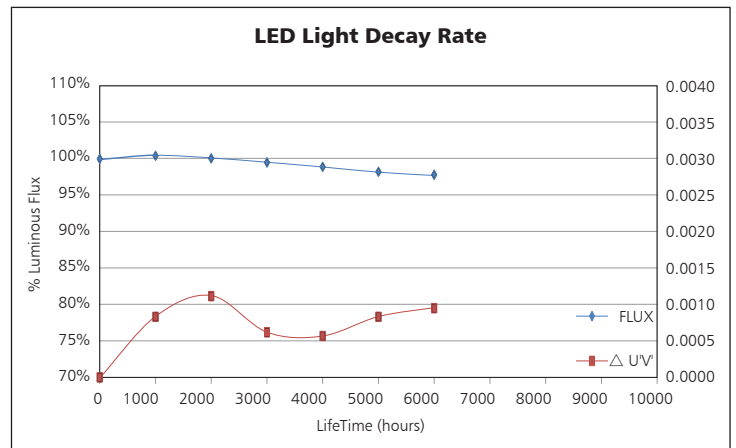
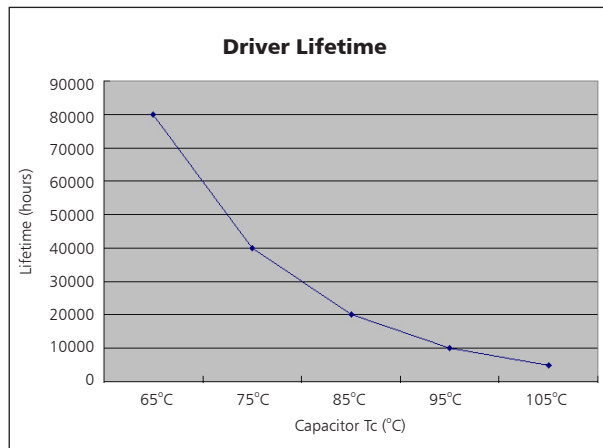
Photometric Diagram



Polar Diagram Comparison

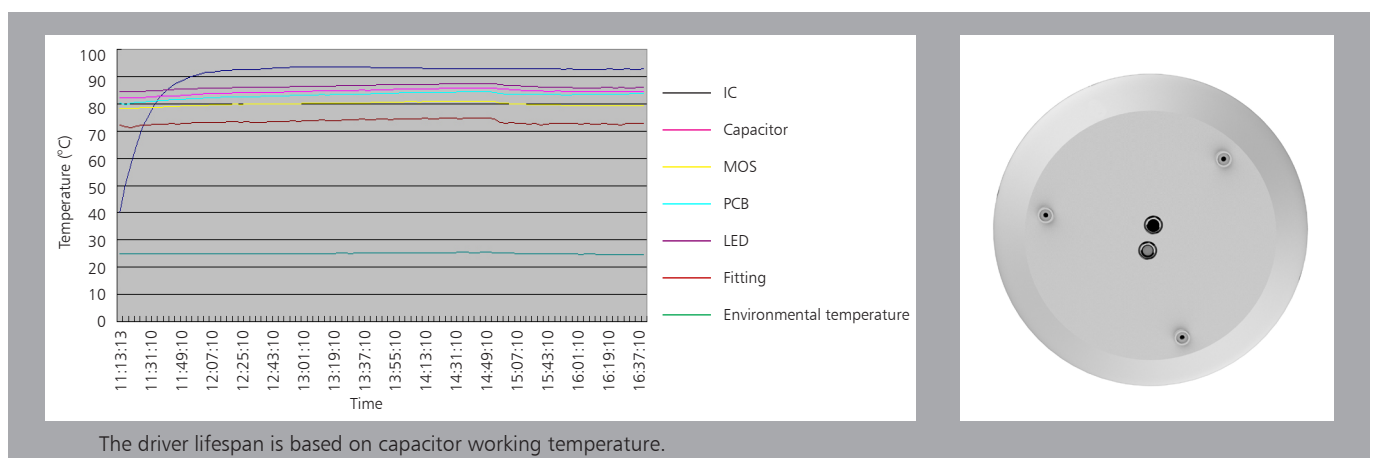


Driver lifetime & LED light decay rate



Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



Installation

1

Take out accessory pack.

2

Unscrew the front frame anticlockwise and take it out, make the frame, diffuser and back housing separately.

3

Disconnect the connection plug.

4

Put the plastic anchor into the ceiling.

5

Make the input wires through entrance hole and waterproof bushing, cover the screws with waterproof washer, fix the back housing by these screws.

6

Connect the wires to the block through the reliefs.

sensor setting

L = BROWN
N = BLUE

7

Connect the base and led module. Align the screw holes of base and led module, fix the led module on the base firmly by screws.

8

Match the gaps for each part and rotate the frame clockwise.

9

Installation finished, turn on the switch.

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	52.5*34*34	1.17	8.7	6

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	450	2700	28
40" standard container	900	5400	56

