



## OTSEN FLORA LED IP66 BULKHEAD 25W

The OTSEN FLORA BULKHEAD LIGHT is a robust and energy-efficient lighting solution designed for both indoor and outdoor environments. With an IP66 rating, it is dust-tight and highly resistant to water, ensuring reliable performance in harsh conditions. It consumes 25W of power while delivering 120 lumens per watt, combining brightness with energy efficiency. The light features a power factor greater than 0.90 for minimal energy loss and a CRI above 80 for accurate color representation. Suitable for various applications, it is ideal for industrial and commercial facilities, parking garages, building exteriors, Hospital warehouses, corridors, marine environments, and outdoor recreational areas, providing durable and efficient lighting in demanding conditions.

### Application Areas

- Residential
- Hotels
- Hospital
- Commercial
- Offices
- Schools

bridgelux<sup>®</sup>  
Chip

**LiFUD**  
DRIVER

**5**  
YEARS  
WARRANTY



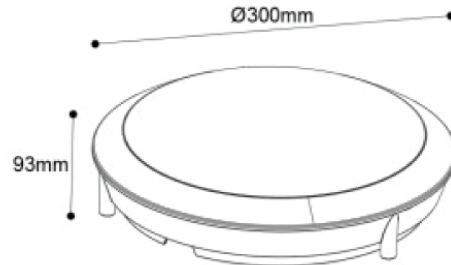
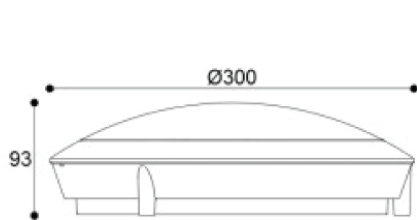
## Product Features

- Very clean appearance design, provide a nice look.
- High lumen efficiency reach up to 120Lm/W.
- Provide uniform light distribution ,the light is soft and comfortable .
- IP66 high protection level.
- Opal Diffuser UV protection.
- 220-240V input, PF>0.90, it's a flicker free product.
- Lifud driver and Bridgelux chip
- 50,000H, 5 Years warranty .
- Flicker Free.
- Beam angle 120°

## Product & Information

Luminaire Details	Product Name	OTSEN FLORA BULKHEAD LIGHT
	Product Type	BULKHEAD
	Product code	OT-FBH-25W 300R-IP66
	Luminaire Type	SMD
	IP Rating	IP66
Light source Details	Light Emission	Surface Emission
	Source brand	Bridgelux
	Luminaire Efficacy	120lm/W
	Available CCT	3000K, 4000K, 6500K & CCT changable
	CRI	>80
	McAdamBinning	Step 3
Luminaire Housing	Body Material	Polycarbonate
	Lens/Diffuser	Polycarbonate Diffuser
	Housing	Polycarbonate
	Panel size (L x W x H mm)	305x93
	Diffuser	UV resistant modified PS
	Storage Temperature (Ts)	-10°C to 60°C
	Ambient Temperature (Ta)	-10°C to 60°C
	Humidity	RH 10-90 %
Application Condition	Available Options	Microwave Sensor
		Emergency Light
		Dalli, Dimmable

## Product Detail



## Additional Optional Detail

On/off control  
DIP switch

### HD08S

1. Automatic On/off control with Daylight sensor.
2. Optional detection range, holdtime and daylight threshold.
3. Compact sized particularly suitable for Ceiling lights or Bulkhead.
4. Loop in and loop out for easy installation.
5. 5 year limited warranty.



On/off  
control



Detection  
area



Hold  
time



Daylight  
threshold



5  
years



RED



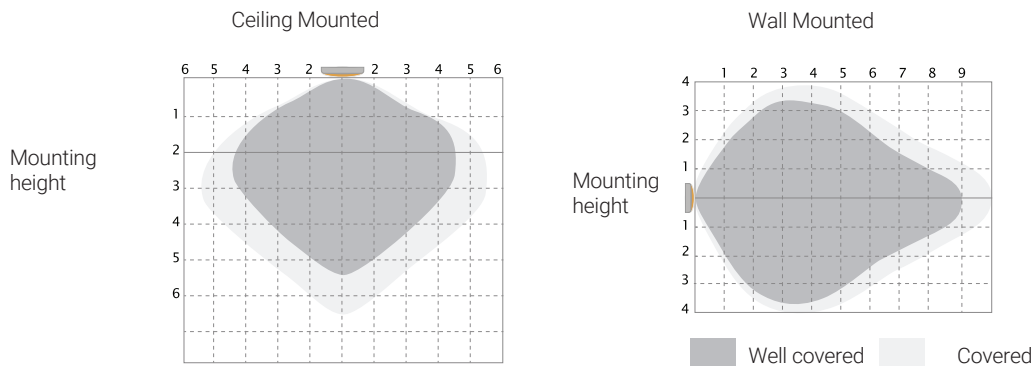
CE

## Additional Optional Detail

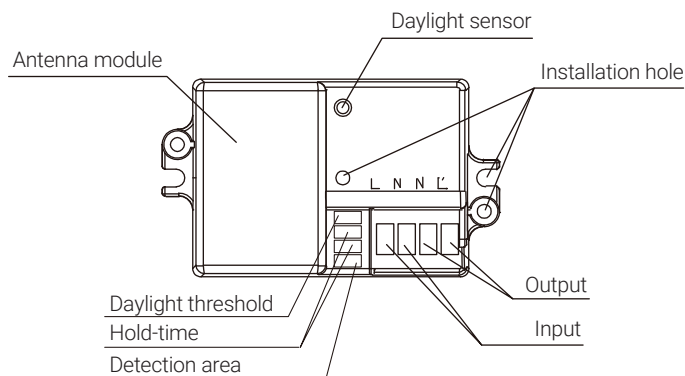
### Detection coverage

Typical installation height 2.5-5m

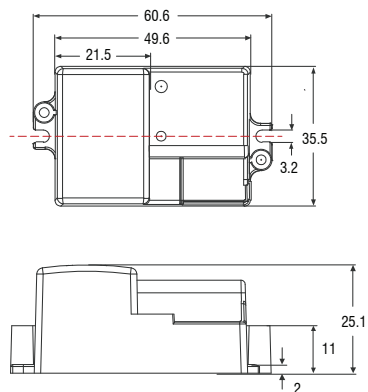
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.



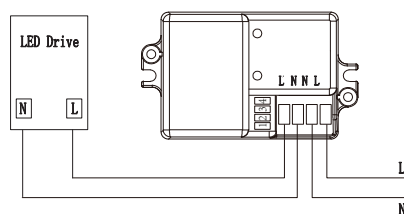
### Mechanical structure



### Dimensions (Unit: mm)

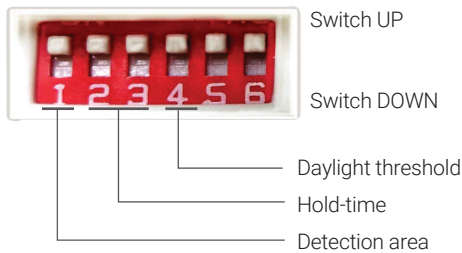


### Wiring diagram



## Additional Optional Detail

### Settings



1	
●	100%
○	50%

Detection area

In this area, movement will be detected and able to trigger the sensor.  
100% detection area is also known as the strong sensitivity.

2	3	
●	●	5s
○	●	1 min
●	○	3 min
○	○	10 min

Hold-time

The period of light keeping 100% brightness after moving objects leave the detection area.

4	
●	Disable
○	30lux

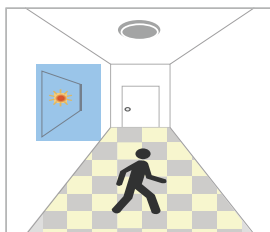
Daylight threshold

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

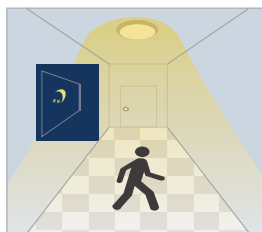
### Application

#### 1. Automatically ON/OFF function

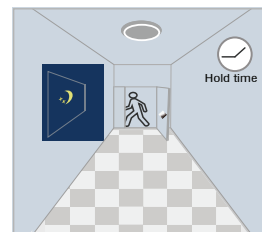
Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After the last detection and the present hold time elapsed, light OFF.

#### 2. No daylight function

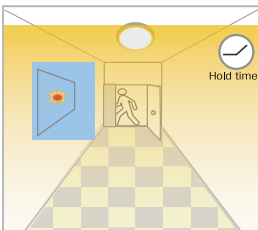
The daylight threshold is set to "Disable".

Light on when detect movement, After people leave, Light off after hold on time.

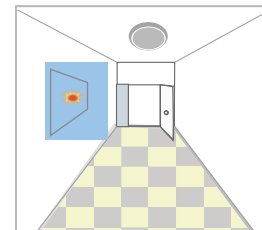
Applications: Dim places such as Basement Parking, Underpass.



When motion is detected, the sensor will switch on the light to 100% brightness.



After people leave the detection area, light remains 100% brightness within hold time.



After the last detection and the present hold time elapsed, light OFF.



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