# LED Sensor Oyster Ceiling Light

Type A cover option

Type B cover option

## Description

LED Oyster Ceiling Light with Sensor is made with high brightness SMD5630, SAA driver and PMMA Opal diffuser. it works under normal supply of AC power and will light on 100% illumination when movement object gets close ( sensor distance3-16 meters（can be set by Jumper）), and switch to twilight (20%)or off (0%) when movement object leaves after 5s，30s，90s，3mins（can be set by Jumper）；Meanwhile it detects surrounding illumination value, if higher than the setting value (by Jumper, 5lux, 15lux, 50lux, disable), it will not light on even detected movement. It widely used in stair well, corridor, parking lots.

## Feature

◆**Adopt PMMA Opal diffuser and uniform illumination**

◆**Surface mounted installation and large hole (5mm) of terminal block**

◆**Using high brightness SMD5630 led chips as light source**

◆**Adopt isolated SAA/CE approved driver**

◆**Available watt：12w/18w/20w**

◆**Dimming function : Sensor dimming and Light sensor detect**

◆**Meet SAA, C-tick and CE requirements**

◆**3 years warranty**

# LED Sensor Oyster Ceiling Light

## Specification

**Model Number: ZL-SCLP18-xx**

**Power Consumption: 12-20W**

**Power Factor: > 0.92**

**Input Voltage: AC200~240V**

**Frequency: 50/60Hz**

**Equivalent to: 36~40W traditional incandescent light**

**Color Temperature Option: 2800~7000K**

**View Angle: 120°**

**Working Temperature: -20℃~ +40℃**

**CRI: >80**

**Flux Lumen: 1400lm/Cool White    1300lm/Warm White**

**Twilight value：20%**

**Lifespan: 50,000 hours**

**Light Source: SMD5630 LEDs**

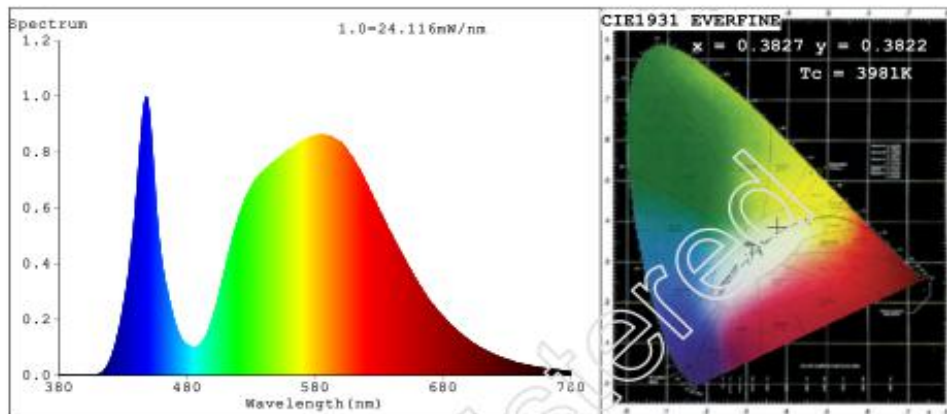**Dimension: 330*90mm /330*90mm    Weight: 700g**

# LED Sensor Oyster Ceiling Light

## Everfine Test Report

EVERFINE 远方

### Spectrum Test Report



**Color Parameters:**

Chromaticity Coordinate:x=0.3827  y=0.3822/u'=0.2244 v'=0.5043

Tc=3981K(Duv=0.0019) Dominant WL:Ld =578.2nm Purity=29.6%

Ratio:R=18.6% G=79.4% B=2.0%  Peak WL:Lp=447.8nm  HWL:Lhd=20.7nm

Render Index:Ra=73.3

| R1 =71 | R2 =78 | R3 =83 | R4 =74 | R5 =70 | R6 =69 | R7 =83 |
|--------|--------|--------|--------|--------|--------|--------|
| R8 =58 | R9 =0 | R10=47 | R11=69 | R12=40 | R13=72 | R14=90 | R15=67 |

**Photo Parameters:**

Flux  = 1212 lm   Eff. : 65.99 lm/W  Fe  = 3.559 W

**Electrical parameters:**

V = 220.5 V     I = 0.08922 A    P = 18.37 W PF = 0.9337

LEVEL:OUT         WHITE:ANSI_4000K

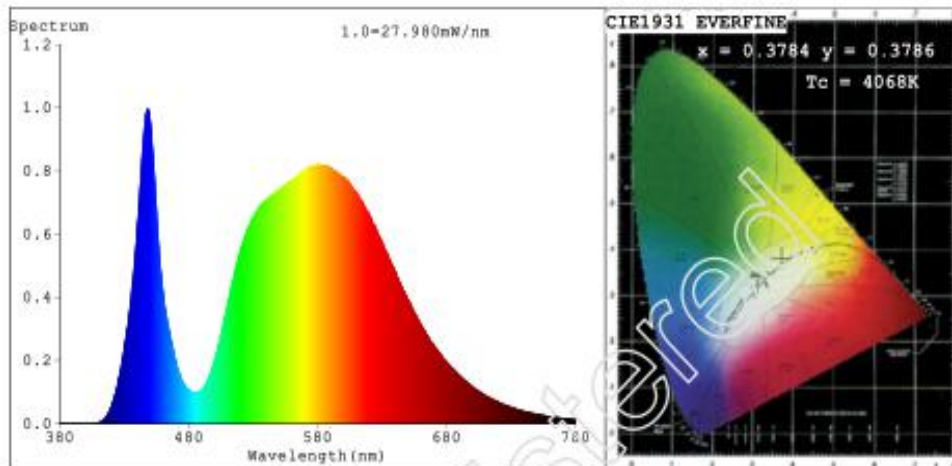Status:  Integral T = 24 ms  Ip = 54199 (83%)

Model:18W 4000K Ceiling Lightl   Number:
Tester:DAMIN                     Date:2016-03-28
Temperature:25.3Deg              Humidity:65.0%
Manufactory:EVERFINE             Remarks:---

# LED Sensor Oyster Ceiling Light

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:x=0.3784  y=0.3786/u'=0.2231 v'=0.5021

Tc=4068K(Duv=0.0014) Dominant WL:Ld =578.0nm Purity=27.2%

Ratio:R=18.4% G=79.5% B=2.1%  Peak WL:Lp=448.1nm  HWL:Lhd=20.8nm

Render Index:Ra=73.7

| | | | | | | |
|---|---|---|---|---|---|---|
| R1 =72 | R2 =78 | R3 =82 | R4 =74 | R5 =71 | R6 =69 | R7 =83 |
| R8 =60 | R9 =0 | R10=43 | R11=70 | R12=40 | R13=73 | R14=90 | R15=67 |

## Photo Parameters:

Flux  = 1347 lm   Eff. : 73.42 lm/W  Fe  = 3.976 W

## Electrical parameters:

V = 220.5 V      I = 0.08917 A     P = 18.35 W PF = 0.9333

LEVEL:OUT          WHITE:ANSI_4000K

Status:  Integral T = 19 ms  Ip = 47576 (73%)
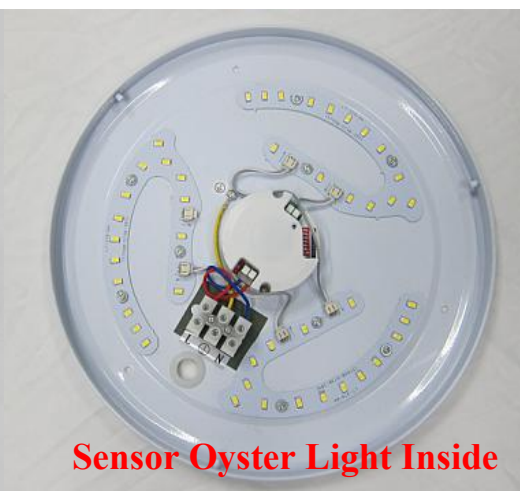
Model:18W 4000K Ceiling Light2    Number:
Tester:DAMIN                      Date:2016-03-28
Temperature:25.3Deg              Humidity:65.0%
Manufactory:EVERFINE             Remarks:---
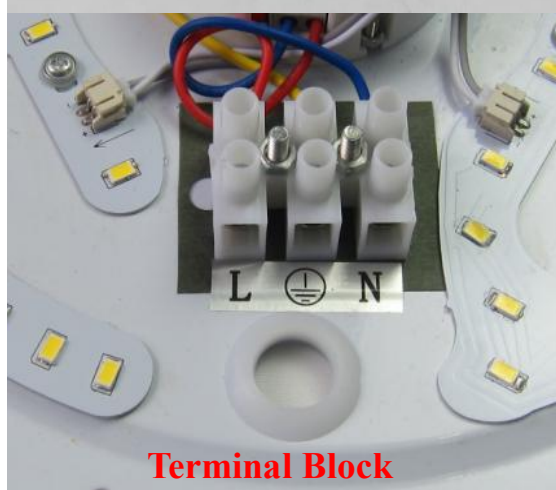
# LED Sensor Oyster Ceiling Light

## Detail photos:


**Sensor Oyster Light**


**Sensor Oyster Light Inside**


**Terminal Block**


**Led Strip Panel**


**Oyster Light Base**


**Microwave Sensor**

# LED Sensor Oyster Ceiling Light

## Mark/ Label

LED Sensor Oyster Ceiling Light
Model: ZL-SCLP18-xx
Power: 12-20W ta=40℃
Input: AC100-240V    50-60Hz
Color Temp: □WW    □CW

## Packing Specification

Box:    37.5x 37.5 x 11cm (1pcs/box)
Carton:    57x 40 x 76cm
Gross Weight:    10.8kg
Net Weight:    6.8kg
Quantity:    10pcs/carton
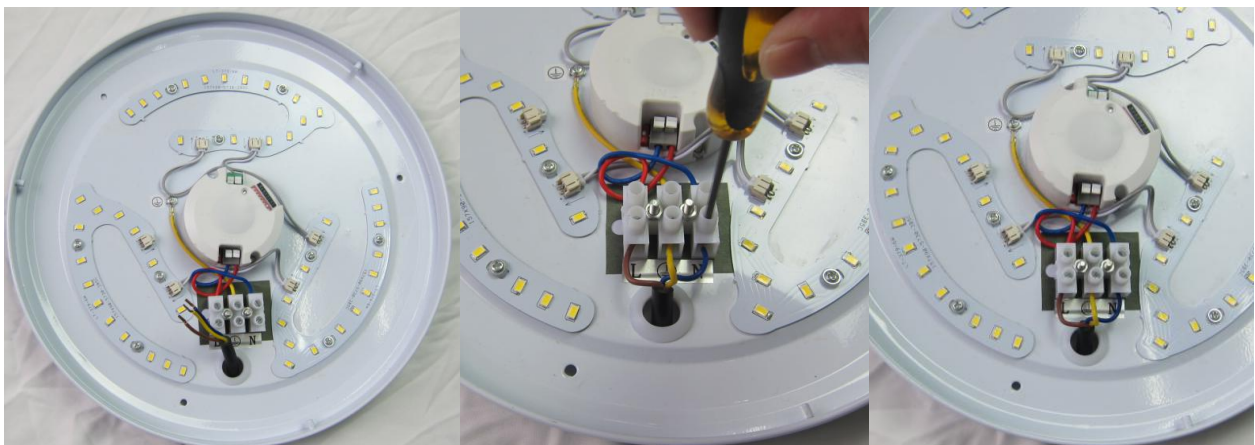
## Installation

**1. Take off the cover from right to left.**



**2. Tack plastic studs on the ceiling.**



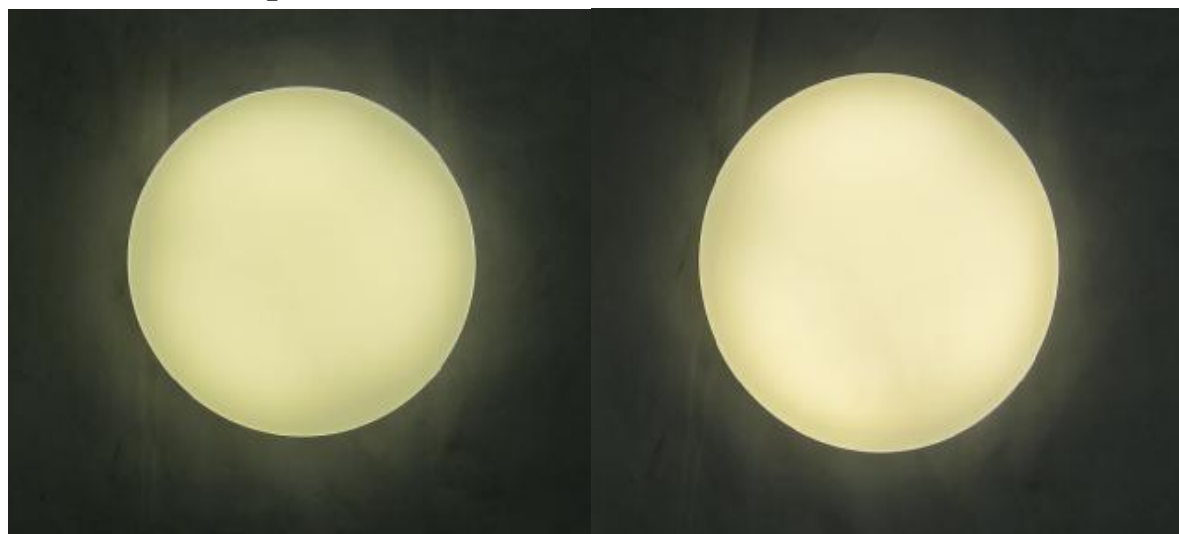**3. Connect the main supply "L", "N", "E" wires to terminal block.**

**4. Check and select the sensor setting dip switch combination to meet your own requirements (see the last part for DIP switch definition).**

**5. Put the cover back.**



**5. Turn on the power.**

# LED Sensor Oyster Ceiling Light

## DIP Switch Setting

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

| Detection Area | | | |
|---|---|---|---|
| | 1 | 2 | |
| I | ON | ON | 100% |
| II | – | ON | 75% |
| III | ON | – | 50% |
| IV | – | – | 25% |

**Detection area (Sensitive)**

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

**Default value(50%,5-8m)**

| Hold Time | | | |
|---|---|---|---|
| | 3 | 4 | |
| I | ON | ON | 5s |
| II | – | ON | 30s |
| III | ON | – | 90s |
| IV | – | – | 3min |

**Hold time (Delay time)**

Refer to the time period the luminaries remains at 100% illumination after no motion detected.

**Default value (90S)**

| Daylight Sensor | | | |
|---|---|---|---|
| | 5 | 6 | |
| I | ON | ON | disable |
| II | – | ON | 50lux |
| III | ON | – | 15lux |
| IV | – | – | 5lux |

## Daylight Sensor

The sensor can be set to only allow the oyster light to light on(100%) bellow a defined ambient brightness threshold.

**Default value(disable, not    detect the ambient light)**

| Twilight Time | | | |
|---|---|---|---|
| | 7 | 8 | |
| I | ON | ON | 0s |
| II | – | ON | 30s |
| III | ON | – | 10min |
| IV | – | – | +∞ |

**Twilight Time (Hold time)**

Refers to the time period the luminaries remain at twilight (20%) illumination after no motion detected. It will switch off the light when run out of this period.

**Default value (+∞, always keep twilight)**

**Maintenance**

**1. In order to extend lifetime of the product and more safe operation, please keep it clean, maintenance and don't using it in more than 40 Celsius or less than minus -20 degree environment and avoiding 7x24h full power light on.**

**2. While cleaning the lamp, please use the soft cloth with soap water and wring it, then try to sweep.**

**3. Don't use the volatile chemic liquid such as alcoholic, gasoline or pesticide to sweep, otherwise, easily damage the lamp, thereby affect the lifetime of product.**

**4. If there are any doubts or problems while you are installing, please contact your supplier or manufacturer.**

**Cautions**

**1. Before installation, please make sure there is no AC power connected.**

**2. For indoor use.**

**3. Please notice that don't use any objectives to cover the lamp.**

**4. Maintenance should only be done by a professional technician.**