Led Waterproof Batten Lighting with Sensor -SMD

Description

The waterproof batten fixture with Sensor（SMD） works under normal supply of AC power, IP65 protection，dust-and moisture-proof, impact resistant. when it works with microwave sensor, it will 100% light on when movement object gets close (sensor distance is 3-16 meters（can be set by Jumper）, and sensor angle is 120-160 degree), and switch to 20% (twilight)or 0%(off) when movement object leaves after 5s，30s，90s，3mins（can be set by Jumper）； The waterproof batten fixture with Sensor can also work without sensor，like led waterproof standard batten fixture (just remove the sensor). It widely used in tunnel, Rail-way station ， Metro station, Supermarket, stair well, corridor, evacuation passage, especially parking lots.

Features

◆ **Adopt high-grade PC base and PC cover fitting, good quality seal for better waterproof, high transmittance frost cover（>88%），IP65 protection rate**

◆**Surface mounted or hanging installation option**

◆**Uising high brightness SMD2835/5630 led chips as light source**

◆**Adopt high quality LED constant driver**

◆**Microwave sensor dimming function**

◆**Available in 2ft 18-20W，4 ft 36-40W and 5ft 44-60W**

◆**Approved CE ROHS SAA and C-tick（RCM）**

◆**3 years warranty**

Specification

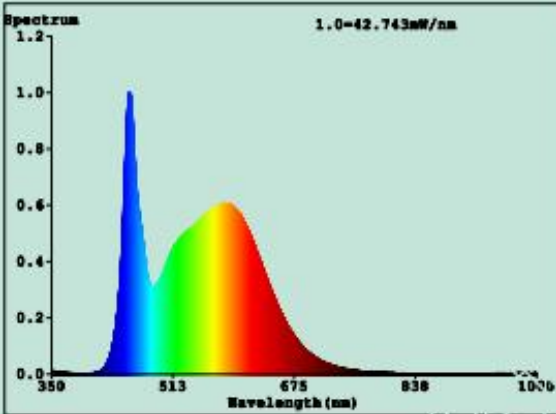| Model	ZL-WPLP20-SMD-2FT(-S)	ZL-WPLP40-SMD-4FT(-S)	ZL-WPLP60-SMD-5FT(-S)
Rated Power	18W	36W	44W
Suggested Replacement For Fluorescent tube	40W	80W	120W
Input power Supply	AC90-130V/AC200-240V/50-60HZ		
Power Factor	>0.92		
LED chip	104pcs SMD2835	208pcs SMD2835	260pcs SMD2835
Luminous Flux @6000K ）	1600lm	3000lm	3700lm
Colour Temperature	2700-7000K		
Rendering Index	RA>80		
Luminous Efficacy	82-100lm/W		
Beam Angle	120 degree		
Operating Temperature	-20℃ to 40℃		
Protection Rating	IP65		
Dimensions	680*108*85mm	1260*108*85mm	1560*108*85mm
Rated Operating Life	50，000 hours		
Warranty	3 Years		
Samsung SMD5630 version available on all models，Lumen and price will be different			

Test Report

EVERFINE HAAS-1200 Test Report   1 Of 1

Spectrum Test Report

Color Parameters:

Chromaticity Coordinate:x=0.3418   y=0.3547/u'=0.2080 v'=0.4857

Tc=5137K(Duv=0.0029) Dominant WL:Ld =567.6nm Purity=9.0%

Ratio:R=16.7% G=78.3% B=4.9%   Peak WL:Lp=454.6nm   HWL:Lhd=25.7nm

Render Index:Ra=83.3

| R1 =82 | R2 =92 | R3 =95 | R4 =80 | R5 =82 | R6 =87 | R7 =85 |
| R8 =64 | R9 =5 | R10=73 | R11=79 | R12=62 | R13=85 | R14=98 | R15=76 |

Photo Parameters:

Flux = 1613 lm   Eff. : 86.38 lm/W Fe = 5.049 W

Electrical parameters:

V = 220.3 V   I = 0.08983 A   P = 18.67 W PF = 0.9435
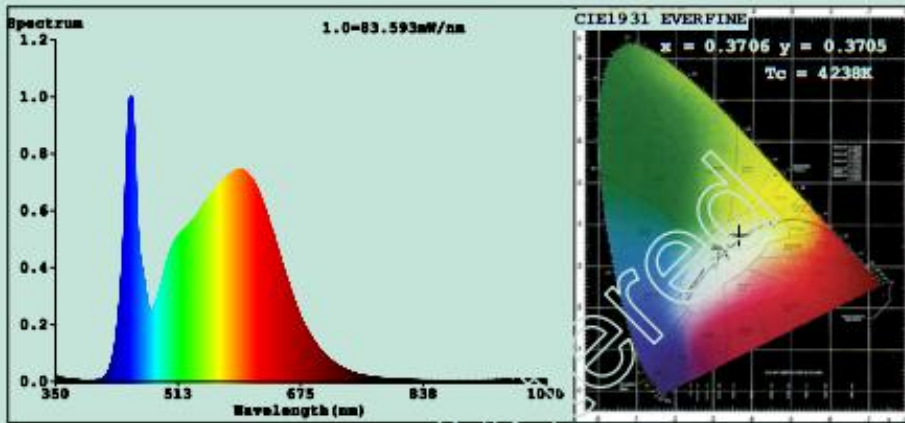
LEVEL:OUT   WHITE:ANSI_5000K

Status: Integral T = 14 ms Ip = 51738 (79%)

Model:new waterproof light 18W 5000K Number:
Tester: Date:2015-04-10
Temperature:25.3Deg   Humidity:65.0%
Manufactory: Remarks:---

EVERFINE 远方

EVERFINE HAAS-1200 Test Report   1 Of 1

Spectrum Test Report

Color Parameters:

Chromaticity Coordinate:x=0.3706   y=0.3705/u'=0.2210 v'=0.4973

Tc=4238K(Duv=0.0001) Dominant WL:Ld =578.1nm Purity=22.4%

Ratio:R=19.4% G=76.9% P=3.7%   Peak WL:Lp=450.5nm   HWL:Lhd=18.4nm

Render Index:Ra=85.6

R1 =84	R2 =91	R3 =95	R4 =85	R5 =85	R6 =87	R7 =88
R8 =70	R9 =22	R10=73	R11=85	R12=66	R13=86	R14=98	R15=79

Photo Parameters:

Flux = 3737 lm   Eff. : 95.05 lm/W Pe = 11.75 W

Electrical parameters:

V = 240.4 V   I = 0.1679 A   P = 39.32 W PF = 0.9744

LEVEL:OUT   WHITE:ANSI_4000K
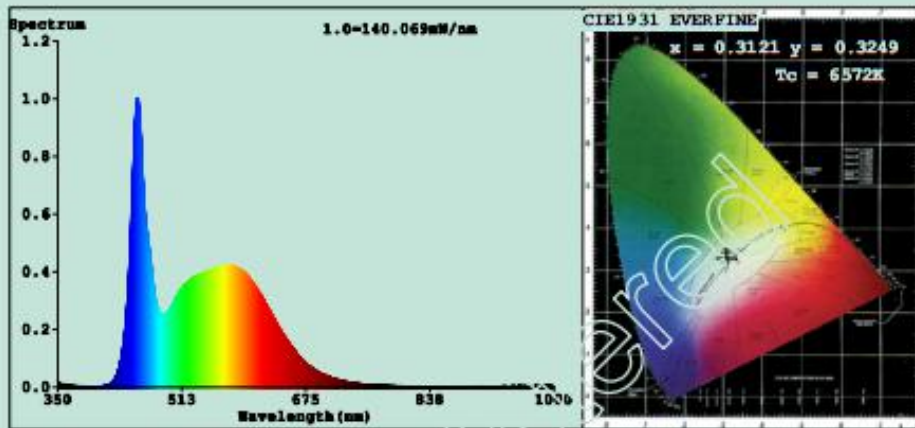
Status: Integral T = 7 ms Ip = 46701 (71%)

Model:SMD5730 4000K 1.2M   Number:
Tester:001   Date:2015-07-30
Temperature:25.3Deg   Humidity:65.0%
Manufactory:EVERFINE   Remarks:---

EVERFINE 远方

EVERFINE HAAS-1200 Test Report   **1 Of 1**

Spectrum Test Report

Color Parameters:

Chromaticity Coordinate:x=0.3121   y=0.3249/u'=0.1989 v'=0.4660

Tc=6572K(Duv=0.0014) Dominant WL:Ld =486.5nm Purity=7.8%

Ratio:R=15.0% G=79.0% B=6.0%   Peak WL:Lp=454.9nm   HWL:Lhd=23.4nm

Render Index:Ra=84.7

R1 =84	R2 =93	R3 =94	R4 =81	R5 =83	R6 =87	R7 =86
R8 =70	R9 =15	R10=91	R11=80	R12=57	R13=88	R14=97	R15=80

Photo Parameters:

Flux = 3803 lm   Eff. : 87.32 lm/W   Pe = 12.51 W

Electrical parameters:

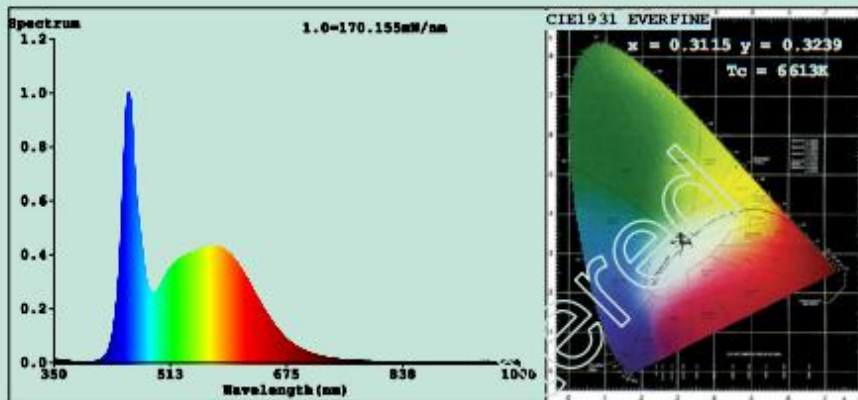V = 220.3 V   I = 0.2038 A   P = 43.55 W PF = 0.9702

LEVEL:OUT   WHITE:ANSI_6500K

Status: Integral T = 4 ms Ip = 48525 (74%)

Model:1.5M waterproof smd 44W	Number:
Tester:001	Date:2015-04-14
Temperature:25.3Deg	Humidity:65.0%
Manufactory:EVERFINE	Remarks:---

EVERFINE 远方

EVERFINE HAAS-1200 Test Report	1 Of 1

Spectrum Test Report

Spectrum 1.0=170.155mW/nm

CIE1931 EVERFINE
x = 0.3115 y = 0.3239
Tc = 6613K

Color Parameters:

Chromaticity Coordinate:x=0.3115 y=0.3239/u'=0.1989 v'=0.4654

Tc=6613K(Duv=0.0011) Dominant WL:Ld =486.0nm Purity=8.1%

Ratio:R=14.9% G=79.1% B=6.0% Peak WL:Lp=454.6nm HWL:Lhd=24.4nm

Render Index:Ra=84.7

R1 =84	R2 =93	R3 =94	R4 =81	R5 =83	R6 =86	R7 =87	
R8 =70	R9 =15	R10=80	R11=80	R12=58	R13=88	R14=97	R15=80

Photo Parameters:

Flux = 4716 lm Eff. : 82.52 lm/W Pe = 15.54 W

Electrical parameters:

V = 220.3 V   I = 0.2651 A   P = 57.15 W PF = 0.9786

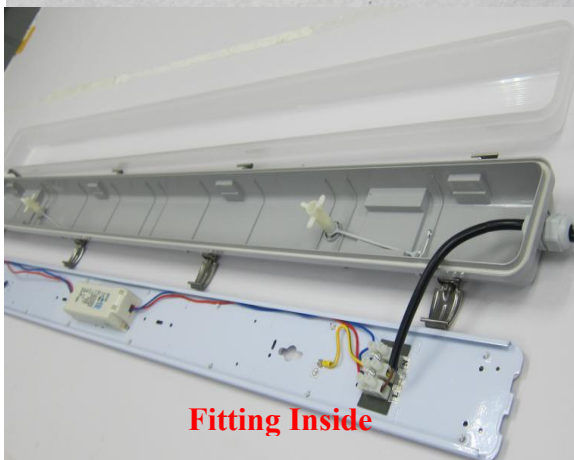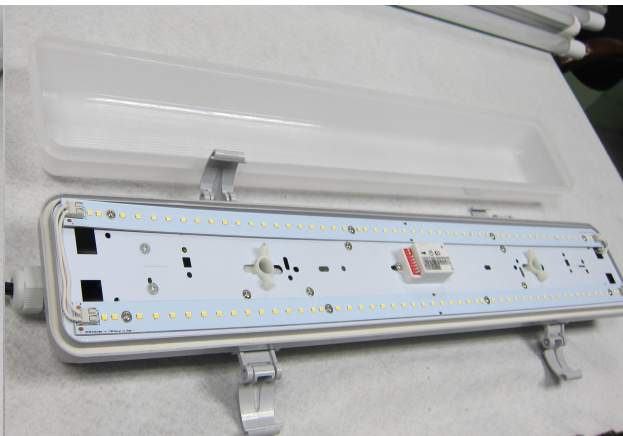LEVEL:OUT   WHITE:ANSI_6500K

Status: Integral T = 3 ms Ip = 43937 (67%)

Model:1.5M waterproof SMD 6000K Number:
Tester:001   Date:2015-04-07
Temperature:25.3Deg   Humidity:65.0%
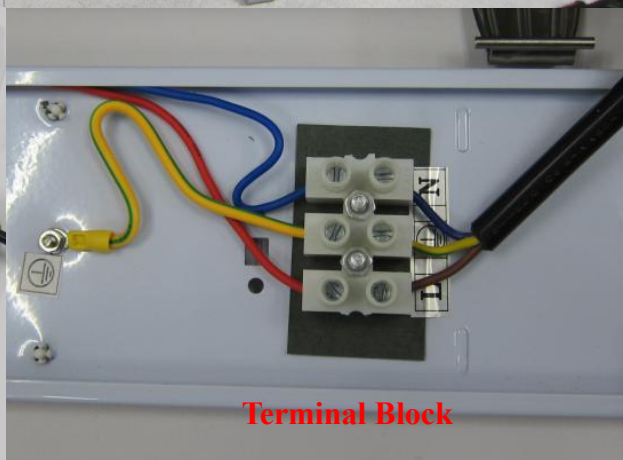Manufactory:EVERFINE   Remarks:---

Detail Picture

Led Batten Fixture

Fitting Inside

Terminal Block

IP65 Cable Gland

Stainless Steel Clip and Buckle

Certificates

APPLICATION FOR DESCRIPTION

Applicant	:	SHENZHEN COMLED ELECTRONIC TECHNOLOGY CO., LTD
Manufacturer	:	SHENZHEN COMLED ELECTRONIC TECHNOLOGY CO., LTD
EUT	:	LED Batten Luminaire
Model No.	:	ZL-WPLP60-SMD-5FT-S, ZL-WPLP60-SMD-5FT, ZL-WPLP40-SMD-4FT-S, ZL-WPLP40-SMD-4FT, ZL-WPLP20-SMD-2FT-S, ZL-WPLP20-SMD-2FT
Input Rating	:	AC 200-265V, 50/60Hz Max0.5A

Measurement Procedure Used:

AS/NZS CISPR 15: 2011 Electromagnetic compatibility – Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.

The above equipment was tested by DONGGUAN EMTEK CO., LTD and SHENZHEN EMTEK CO., LTD. for compliance with the requirements set forth in the Australian EMC regulations and the requirements procedure according to AS/NZS CISPR 15. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of DONGGUAN EMTEK CO., LTD

Date of Test : 　　　　　　May 18, 2015 to June 28, 2015

Prepared by : 　　　　　　*Vivian Zhang*
　　　　　　　　　　　　Vivian Zhang/ Engineer

Reviewer : 　　　　　　　Hong Yang/ Quality Manager

Approved & Authorized Signer : 　　　　Sam Lv/ Manager

TRF No. AS/NZS CISPR 15/A　　　　　　Page 3 of 29　　　　　　Report No. ED150518111E Ver.1.0

SAA
APPROVALS®

Certificate of Suitability

Certificate No.:	**SAA151707**
Certificate Holder:	Shenzhen COMLED Electronic Technology Co.,Ltd 9E, XinBaoyi Building, Houting Village, Shajing Town, Baoan District, Shenzhen City, Guangdong Province 518104 P.R. China
Class Description:	Non-Declared
Product Description:	LED Batten Luminaire
Brand Name:	Shenzhen COMLED Electronic Technology Co., Ltd
Model No.:	ZL-WPLP60-SMD-5FT-S
Markings:	200-240V~ 50/60Hz LED: 44W ta:40°C, IP65, Class I
Standard:	AS/NZS 60598.2.1:2014 AS/NZS 60598.1:2013
Conditions:	Nil
Certification Mark:	SAA151707 or RCM
Date First Registered:	24 August 2015
Date of Expiry:	24 August 2020

For and on Behalf of
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies in accordance with the SAA Approvals Electrical Product Safety Certification Scheme that the product nominated in this certificate complies with standard/s listed.

When using the RCM the requirements of all relevant parts of AS/NZS 4417 applicable to the article must be fulfilled.

For SAA Contact Details and to verify this Certificate go to:
www.saaapprovals.com.au

JAS-ANZ
www.jas-anz.org/register

SAA Approvals
CERTIFIED

Issued: 24-08-15   151707/1

SAA

APPROVALS®

Certificate of Suitability

Addendum

Certificate No.:	**SAA151707**
Date of Issue:	**24 August 2015**
Class Description:	Non-Declared
Product Description:	LED Batten Luminaire

Additional Models	Description
ZL-WPLP60-SMD-5FT	Similar to ZL-WPLP60-SMD-5FT-S except without microwave sensor.
ZL-WPLP40-SMD-4FT-S	Similar to ZL-WPLP60-SMD-5FT-S except rated 36W.
ZL-WPLP40-SMD-4FT	Similar to ZL-WPLP40-SMD-4FT-S except without microwave sensor.
ZL-WPLP20-SMD-2FT-S	Similar to ZL-WPLP60-SMD-5FT-S except rated 20W.
ZL-WPLP20-SMD-2FT	Similar to ZL-WPLP20-SMD-2FT-S except without microwave sensor.

For and on Behalf of
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd as accredited by JAS-ANZ under
ISO/IEC 17065 certifies in accordance with the SAA Approvals
Electrical Product Safety Certification Scheme that the product
nominated in this certificate complies with standard/s listed.

When using the RCM the requirements of all relevant parts
of AS/NZS 4417 applicable to the article must be fulfilled.

For SAA Contact Details and to verify this Certificate go to:
www.saaapprovals.com.au

JAS-ANZ
www.jas-anz.org/register

SAA Approvals
CERTIFIED

Issued: 24-08-15   151707/2

No.281, Guantai Road, Nancheng District, Dongguan, Guangdong, China
www.emtek.com.cn Tel:+86-769-2280 7078 Fax:+86-769-2280 7079

Dongguan EMTEK Co., Ltd.

EMTEK
Access to the World

Certificate of Conformity

NO.: ED150518112S

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

Applicant	:	Shenzhen COMLED Electronic Technology Co., Ltd
Address	:	9E, XinBaoyi Building, Houting Village, Shajing Town, Baoan District, Shenzhen City, Guangdong Province, China 518104
Manufacturer	:	Shenzhen COMLED Electronic Technology Co., Ltd
Address	:	9E, XinBaoyi Building, Houting Village, Shajing Town, Baoan District, Shenzhen City, Guangdong Province, China 518104
Trade Mark	:	COMLED
EUT	:	LED Batten Luminaire
M/N	:	ZL-WPLP60-SMD-5FT-S, ZL-WPLP60-SMD-5FT, ZL-WPLP40-SMD-4FT-S, ZL-WPLP40-SMD-4FT, ZL-WPLP20-SMD-2FT-S, ZL-WPLP20-SMD-2FT
Technical Data	:	200-240V~; 50/60Hz; Class I, IP65; ZL-WPLP60-SMD-5FT-S, ZL-WPLP60-SMD-5FT: 44W; ZL-WPLP40-SMD-4FT-S, ZL-WPLP40-SMD-4FT: 36W; ZL-WPLP20-SMD-2FT-S, ZL-WPLP20-SMD-2FT: 20W
Test Standards	:	EN 60598-1:2008+A11:2009; EN 60598-2-1:1989

CE

Eric duan

Eric Duan (Manager)
August 11, 2015

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver 1.0

Dongguan EMTEK Co., Ltd.
No.281, Guantai Road, Nancheng District, Dongguan, Guangdong, China
www.emtek.com.cn Tel:+86-769-2280 7078 Fax:+86-769-2280 7079

Certificate of Conformity

NO.: ED150518112E

The following products have been tested by us with the listed standards and found in conformity with the council EMC directive 2004/108/EC. It is possible to use CE marking to demonstrate the conformity with this EMC Directive.

Applicant : SHENZHEN COMLED ELECTRONIC TECHNOLOGY CO., LTD

Address : 9E, Xinbaoyi Houting Village, Shajing Town, Baoan District, Shenzhen City, Guangdong Province, China 518104

Manufacturer : SHENZHEN COMLED ELECTRONIC TECHNOLOGY CO., LTD

Address : 9E, Xinbaoyi Houting Village, Shajing Town, Baoan District, Shenzhen City, Guangdong Province, China 518104

EUT : LED Batten Luminaire

Trade Mark : COMLED

M/N : ZL-WPLP60-SMD-5FT-S, ZL-WPLP60-SMD-5FT, ZL-WPLP40-SMD-4FT-S, ZL-WPLP40-SMD-4FT, ZL-WPLP20-SMD-2FT-S, ZL-WPLP20-SMD-2FT

Test Standards : EN 55015: 2013
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 61547: 2009

CE

(Manager)
June 28, 2015

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Dongguan EMTEK Co., Ltd.
No.281, Guantai Road, Nancheng District, Dongguan, Guangdong, China
www.emtek.com.cn Tel:+86-769-2280 7078 Fax:+86-769-2280 7079

EMTEK
Access to the World

Certificate of Conformity

NO.: ED150518113E

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2006/95/EC. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

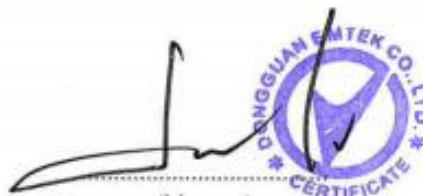|		
Applicant	:	SHENZHEN COMLED ELECTRONIC TECHNOLOGY CO., LTD
Address	:	9E, Xinbaoyi Houting Village, Shajing Town, Baoan District, Shenzhen City, Guangdong Province, China 518104
Manufacturer	:	SHENZHEN COMLED ELECTRONIC TECHNOLOGY CO., LTD
Address	:	9E, Xinbaoyi Houting Village, Shajing Town, Baoan District, Shenzhen City, Guangdong Province, China 518104
EUT	:	LED Batten Luminaire
Trade Mark	:	COMLED
M/N	:	ZL-WPLP60-SMD-5FT-S, ZL-WPLP60-SMD-5FT, ZL-WPLP40-SMD-4FT-S, ZL-WPLP40-SMD-4FT, ZL-WPLP20-SMD-2FT-S, ZL-WPLP20-SMD-2FT
Technical Data	:	AC 200-265V, 50/60Hz, Max0.5A
Test Standards	:	EN 62493: 2010

$C \in$

(Manager)
June 28, 2015

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Packing Specification

600mm 18-20w	1200mm 36-40w	1500mm 40-44w
Unit box:720*130* 90 mm	Unit box:1320*130* 90 mm	Unit box:1620*130* 90 mm
Carton:740 * 430* 300 mm	Carton:1340* 430* 300 mm	Carton:1640 * 430* 300 mm
Gross Weight: 16.3 kg	Gross Weight: 24.8 kg	Gross Weight: 29.5 kg
Net Weight: 12.6kg	Net Weight: 19.3kg	Net Weight: 23 kg
Quantity: 9 pcs/carton	Quantity: 9 pcs/carton	Quantity: 9 pcs/carton

Sensor Setting:

The sensor is innovative and active motion detectors with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials.   The sensor allows energy saving without compromising comfort. When used in combination with our LED fitting, Fitting can achieve several steps dimming function, which is perfect for use in some areas that requires a light change notice before totally switch off.

Features：

◆ Automatic dimming when used in combination with our LED fitting(specify models).

◆ Built-in adjustable twilight ratio..

◆ Detection area, time delay and twilight ratio can be set via DIP switch.

◆ Wide detection area, range up to 16m in diameter.

2-step dimming function (Match with fitting)

The sensor can provide 2-step dimming function, 100 %--->twilight (20%)—>switch off (0% or keep on low illumination). They are particularly suitable for use in corridors, stairwells and underground passages where low light levels are maintained until motion is detected.

No motion detected, the fitting remains off or at a very low light level all the time.	When motion is detected, the sensor brightens the fitting to 100% illumination.	After the hold time, the sensor dims the fitting at the setting light level if no motion is detected. If still no motion detect during Twilight time, fitting will switch off or keep on low illumination.

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(100%,8-12m)

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)

Twilight Ratio			
	5	6	
I	ON	ON	20%
II	–	ON	40%
III	ON	–	60%
IV	–	–	100%

Twilight Ratio

Refers to the twilight illumination value after no motion detected.

Default value (20%)

Twilight Time			
	7	8	
I	ON	ON	0s
II	–	ON	90s
III	ON	–	3min
IV	–	–	+∞

Twilight Time (Hold time)

This setting is for 2-step dimming sensor(specify models), 100%-->twilight(default value 20%)--> switch off (0%)
Refers to the time period the luminaries remain at twilight illumination after no motion detected.

Default value (+∞, always keep twilight)

Installation

1. **Open the package; take out the accessory metal buckle.**

2. **Check the fixture and make sure the cover clips fixed well , if necessary，open the cover ,check inside and set DIP switch.**

3. Tack two plastic studs on the ceiling/wall and Put the metal buckle on the wall with a screw

4. Install the fixture on the wall with buckles.

5. Connect the wires with main power

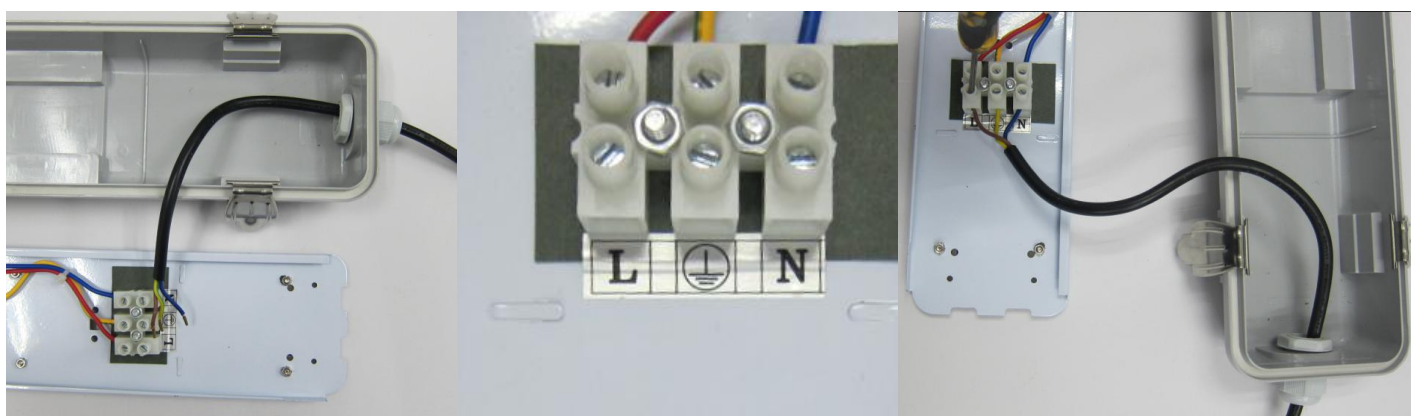### a）Connect the lead and AU plug to main power surface socket。

b）Open the cover and let main power wires go through the Gland and connect wires to inside terminal block as follows.

Connect main power live line (L-brown) to "L" , **L--L**;

Connect main power Earth (Yellow&Green) to "Earth", **Earth--Earth**;

Connect main power neutral line(N-blue) to "N", **N--N**.

6. Turn on the AC power and switch on .

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. 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 and outdoor use.

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

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