

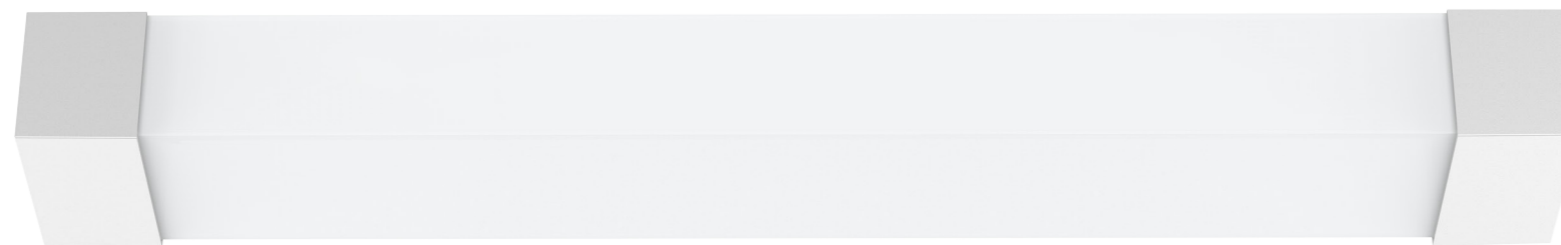
Entry / ECO

Standard / STD

Professional / PRO

ODM & OEM

Intelligent / INT



LED Mirror Light  
ML15 Series





## Introduction

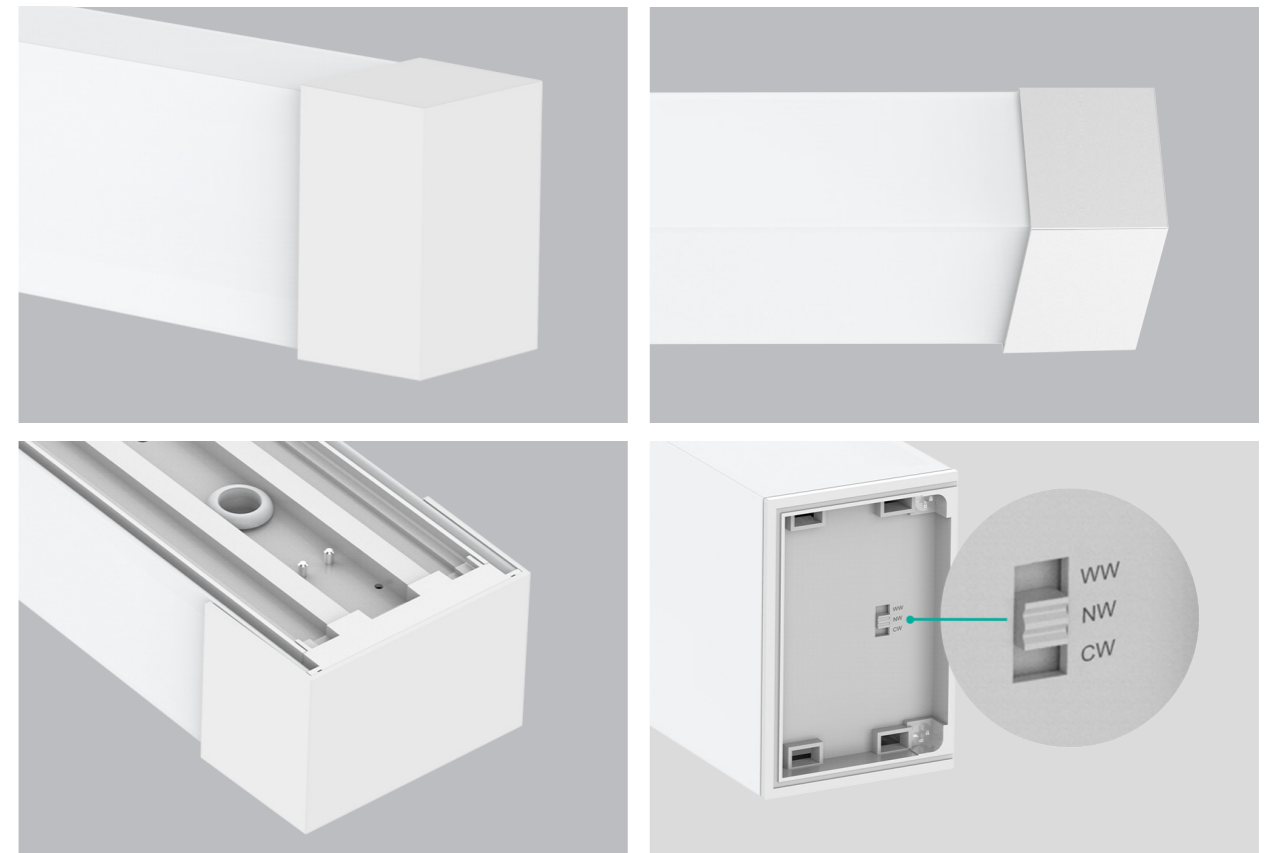
This mirror light has a wide beam angle, it adopts 2835 SMD high lumen light source, PC diffuser provides a uniform light output. The whole lamp is IP44 IK06 protection level, dismountable design makes a more convenient installation. Besides, microwave sensor option can also make users has a great experience.

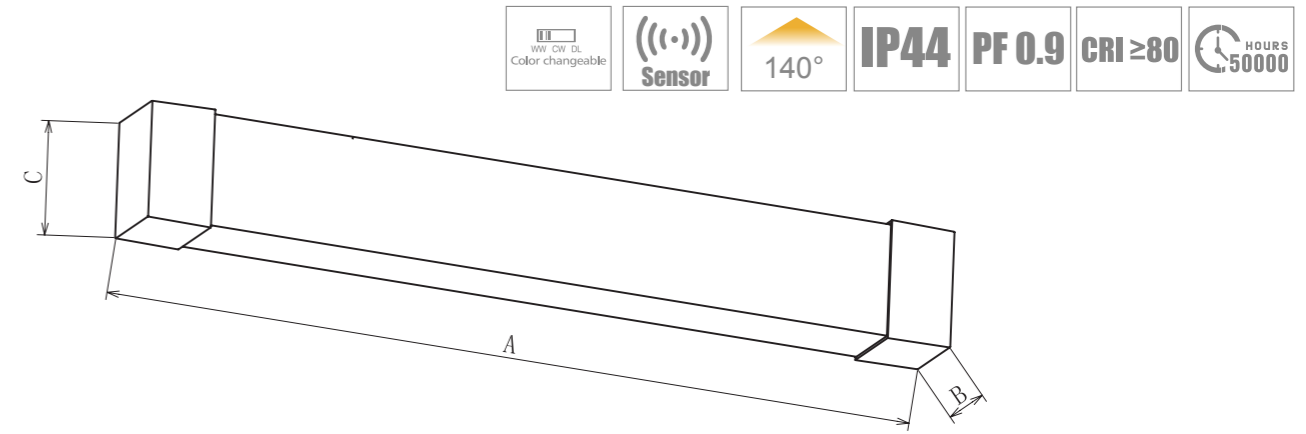
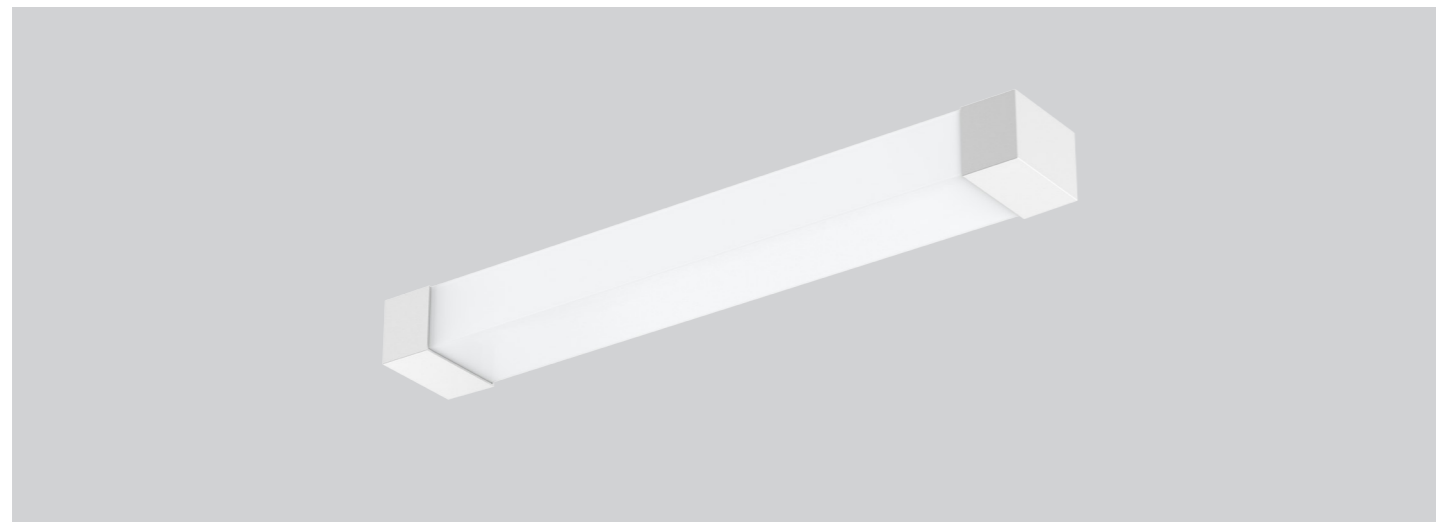
## Features

- Wall mount installation.
- High lumen efficiency, 120lm/W for standard version, 110lm/W for sensor version.
- IP44/IK06 Protection level.
- Interchangeable CCT (3000/4000/5700k) with slide switch.
- Internal flicker free driver.
- Adjustable microwave sensor+ daylight.

## Application Areas

Hotel, Shopping mall, home, Restaurant, etc.





## Technical Data Sheet

Code No.	ML15-450-8W	ML15-600-10W	
Dimension(mm)	450*85*58	600*85*58	
Cutout (mm)	-		
Watt(W)	8W	10W	
Rated Input Voltage(V)	AC230V		
Input Voltage(V)	AC200-240V		
LED Module Input	-		
Light Source	SMD		
SDCM	<6		
CCT(K)	3-CCT: 3000K + 4000K + 5700K		
CCT Selection DIP Switch	YES		
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	-
	DIM	1-CCT	-
	Non-DIM	3-CCT	800-880
	DIM	3-CCT	-
CRI	≥80		
Beam Angle (°)	140°		
UGR	-		
LED Driver	Built-in		
Dimming Option	NO		
Sensor	Microwave sensor		
Emergency Kits	NO		
Electrical Class	Class I		
Ingress Protection (IP Rating)	IP44		
Impact Resistance (IK Rating)	IK06		
Product Finishing(Base)	White RAL 9016		
Materials of Optics	PC		
Materials of Housing	PC/Aluminium		
Lifetime (hr)	50,000h		
Glow wire test (°C)	750°C		
Operating Temp. (°C)	-20°C ~45°C		
Storage Temp. (°C)	-20°C ~65°C		
Installation	Wall mounted		

## Measurement

Code	Dimension(mm)			Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
ML15-450	450	58	85	450*85*58	0.58	0.78	6.96	10.8	50*29*27	12	9696	22176
ML15-600	600	58	85	600*85*58	0.71	0.96	8.52	13	65*29*27	12	7344	17088

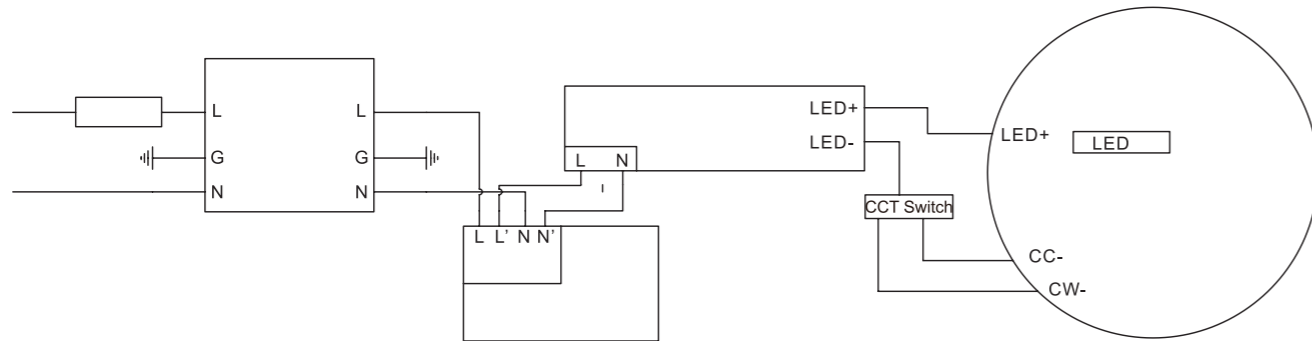
## Driver Datasheet(Non-dimmable)

Total load wattage		8W	10W
Output	Output Voltage range	AC230V	
	Rated output current	0.05A	0.06A
	Line Regulation	±5%	
	Setup, Rise Time	1S	
	Flickering Index	7%	
Input	Input Voltage	AC200-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50/60Hz	
	Input Current	0.05A	0.06A
	Rated Input Current	0.043A	0.053A
	Power Factor	0.9	
	THD	≤20%@230V	
	Efficiency	87%	
	No load wattage	1W	
Protection	Short circuit protection	Pass	
	Over voltage protection	Pass	
	Over temperature protection	Pass	
Safety & EMC	Withstand voltage	I/P-O/P:3.75kVac, <5mA 60S; I/P-FG:1.6kVac, <5mA 60S; O/P-FG:0.5kVac, <5mA 60S	
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω	
	Surge	IEC/EN61000-4-5( P<25W; L-N:500V, L/N-PE:1KV);	
	EMC Emission	EN55015, EN61000-3-2	
EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547		

# Driver Datasheet (Sensor)

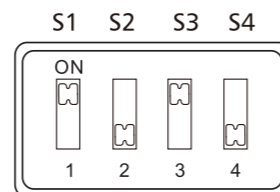
Sensor datasheet	
Operating Voltage	AC200-240V 50/60Hz
Power consumption	1.5W±0.5W
Microwave frequency	5.8GHz±75MHz, ISM wave band
Transmission power	<0.5mW
Detection angle	140°
Detection Area	4-6m(50%/100%)
Hold time	5S/1Min/3Min/100Min
Daylight sensor	30lux/Disable
Stand-by DIM Level	-
Stand-by Period	-
Dimming Range	-
Microwave ON/OFF function	-
Installation Height	Recommended Installation Height: Wall mounted height 1.8m
Minimum mounting distance	recommended mounting distance should be more than 3m
Operating temperature(°C)	-20°C ~60°C

## Wiring Diagram:



## Factory Setting:

Detection Area	Hold Time	Daylight Sensor
100%	3min	30Lux



## Sensor Setting:

Detection Area		
	1	
I	●	100%
II	○	50%

### Detection area:

**Sensor test condition:** The test is based on 3m height, the detect distance radius is based on ground, the detect distance can be adjusted through the slide switch.

**Sensor test environment and reference:** The detective range is measured by human body whose stature is around 1.6-1.7M with medium size and traveling speed is around 1.0-1.5M per second. If the stature, bodily form and traveling speed are changed, then the detective range will be changed accordingly.

**Sensor lamp's reaction under open/narrow environment:** Test result will be highly influenced by test environment, the more open environment, the closer detect distance; the narrower environment, the longer detect distance. The detector may do self-excitation in a narrow environment.

**Sensor Setting based on environmental disturbance:** Some environmental disturbances will cause abnormal induction, such as the lamp can not automatically turn off for a long time or the sensor function is invalid, then users can adjust sensor distance to reach the ideal effect. It is recommended to adjust the sensing distance to 50% for the environment where near the heavy equipment, metal sheets and metal pipes, concreterwall(<30cm thickness)etc. Recommend to keep 100% sensor distance in open environment.

For environment where near the routers, telecommunications base stations, electrical machinery etc, it is recommended to keep the installation distance of more than 5 meters and adjust to 50% sensor distance.

Hold Time			
	2	3	
I	●	●	5S
II	●	○	1min
III	○	●	3min
IV	○	○	10min

### Hold time:

Refers to the time period the lamp remains at 100% illumination after no motion detected.

**Notice 1:** The hold time can be selected by the slide switch.

The hold time counting should be started after the sensor is powered on and initialized.

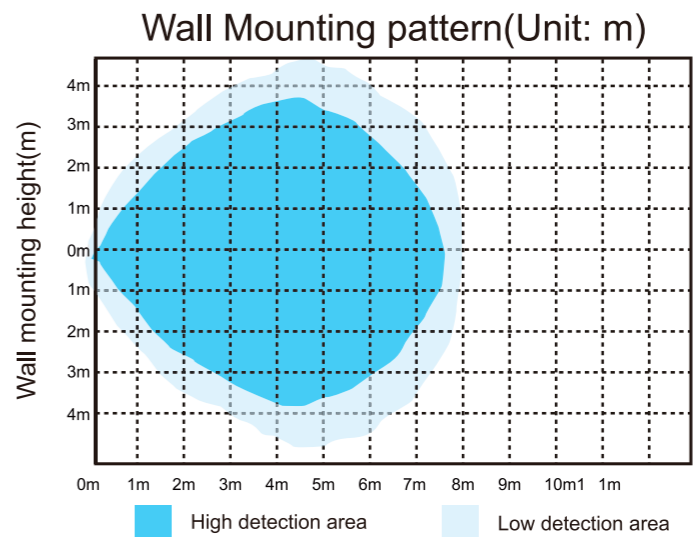
Daylight Sensor		
	4	
I	●	disable
II	○	30lux

### Daylight sensor:

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

**Notice 1:** The light threshold can be selected through the slide switch, it may cause a large deviation in different lamps.

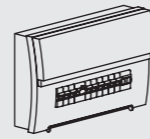
## Induction Range:



## Installation Procedure

### WARNING

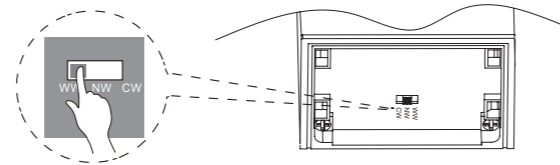
1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

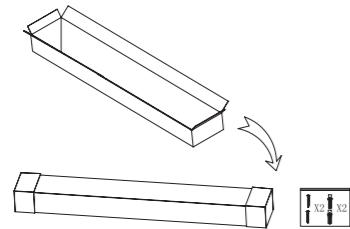
## Installation

For the product with Slide Switch of CCT selection, please select the CCT(WW/NW/CW) before installation.



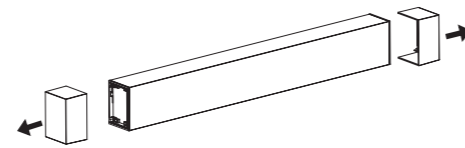
## Wall mounted Installation

### Step 1



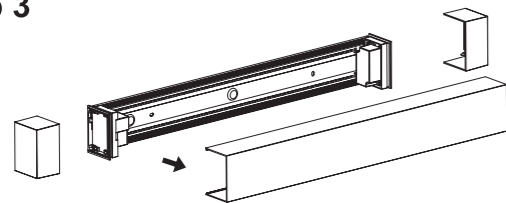
Take out the lamp and accessory pack from the box.

### Step 2



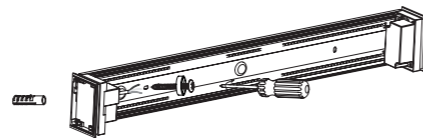
Take out the end cap according to the arrow direction

### Step 3



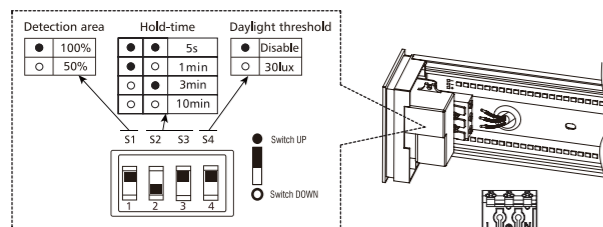
Take the lamp cover apart.

### Step 4



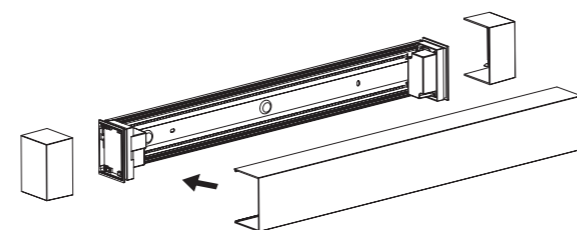
Insert the plastic anchor into the ceiling, make AC wire through the rubber sleeve, fix the lamp body on the ceiling.

### Step 5



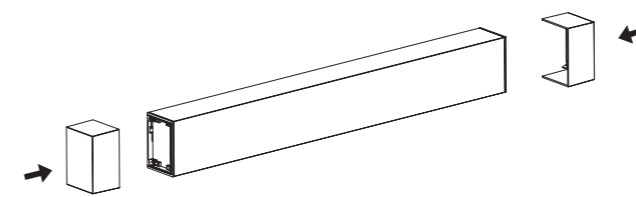
Connect AC wire correspondingly. If with adjustable sensor function, choose preferred sensor setting by slide switch first.

### Step 6



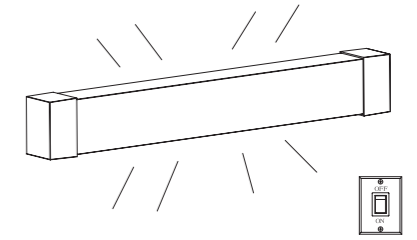
Fasten the lamp cover on the lamp.

### Step 7



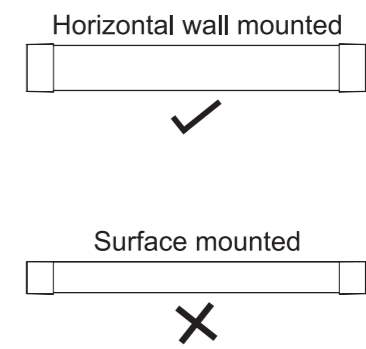
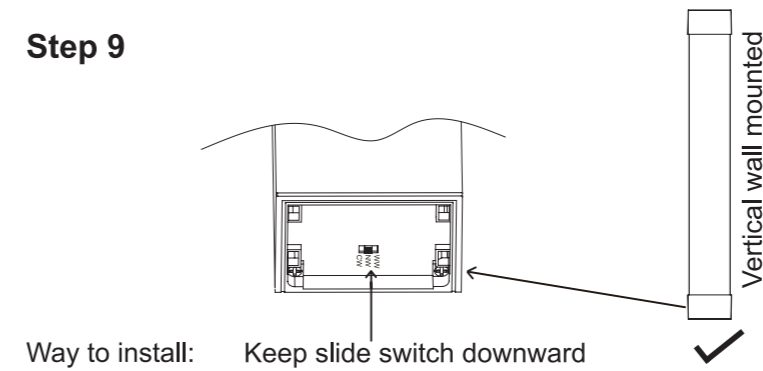
Fasten the end cap on the lamp.

### Step 8



Connect meal and female connector, turn on (If with sensor function, please aim the inductor at the sensor hole.)

### Step 9



**ECO**  
Specifications

**STD**  
Specifications

**PRO**  
Specifications

**ODM**  
Specifications

  
**INT**  
Intelligent

*Up to Shine, there is life* 光之上，是生活

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