

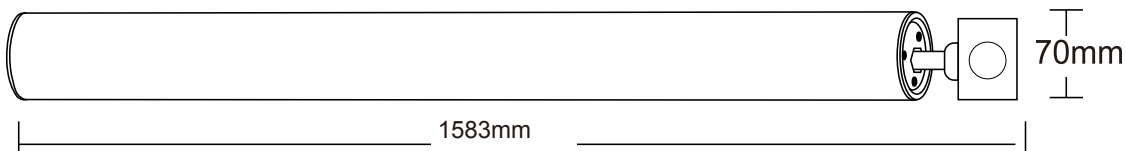
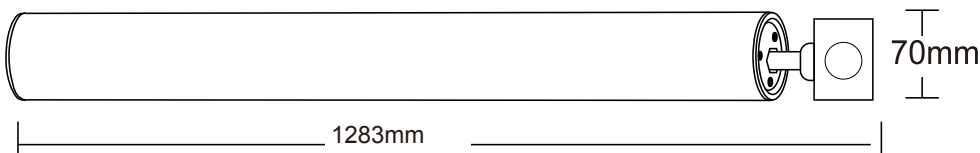
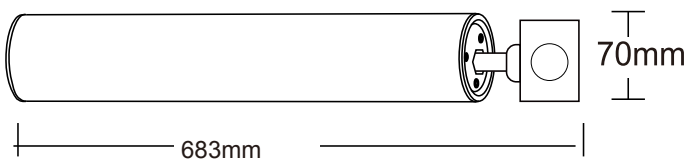
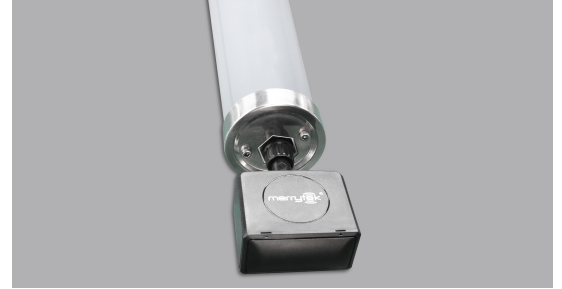
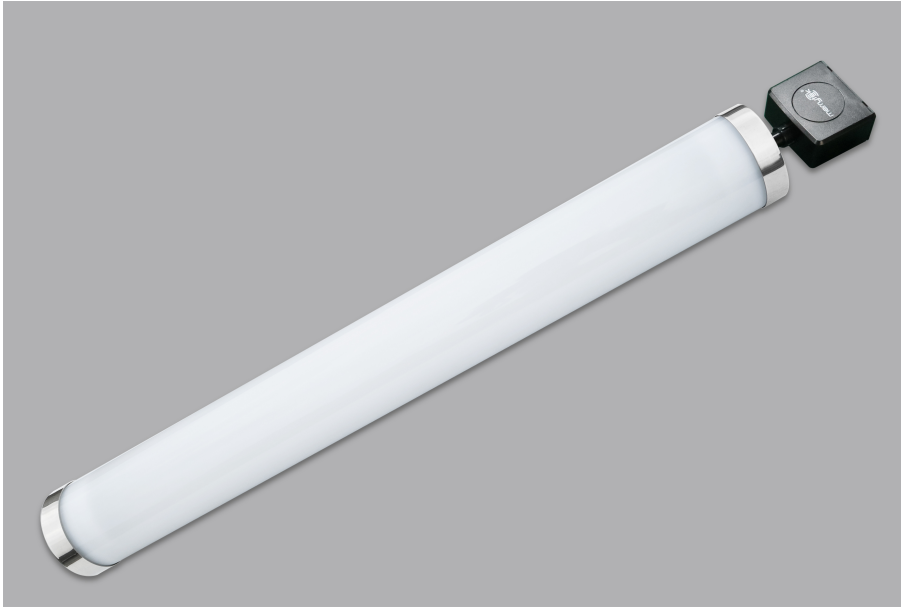


A-UNIQUE

# ASIA UNIQUE LED LIGHTING CO., LTD

## HERO LED Tri-Proof Light With Sensor

## AU03-Tri-Proof Series





## General Features:

- IP65 IP69K - Waterproof, Dustproof, Moisture-proof and Vapour proof
- Clear and Frosted diffuser available
- PC and PMMA diffuser available ( PC-IK10 , PMMA-Anti-Ammonia )
- Aluminum heat sink inside, better for heat dissipation
- Can be Surface Mounted or Suspended
- **With Merrytek brand sensor- Microwave motion & Daylight sensor**
- CE, RoHS, SAA & C-tick approved
- Sensor & Emergency versions available
- Flicker free available
- Dimming available
- **The sensor is plug type, you could pull out the sensor when you don't need it**

## Technical Specifications

Model No.	AU03-TRIP18W2FXX-S	AU03-TRIP30W4FXX-S	AU03-TRIP36W5FXX-S
Dimension(mm)	683*70	1283*70	1583*70
Cutout(mm)	/	/	/
Wattage(w)	18W	30W	36W
Input Voltage(v)	AC200~240V		
Light Source	SMD2835		
SDCM	<6		
CCT(K)	2700K/3000K/4000K/5000K/5700K/6500K		
CRI	>80		
Frosted:Lumen (lm)±5%	1881-2079	3135-3465	3762-4158
Clear : Lumen(lm)±5%	2052-2268	3420-3780	4104-4536
Beam Angle(°)	120°		
Dimming option	Triac Dimming, 1-10V Dimming & Dali Dimming available		
Sensor option	Microwave motion & Daylight sensor		
Emergency Kits	Available		
Protection Class	Class I		
Degree of protection(IP)	IP65 IP69K		
Impact Resistance(IK)	(PC diffuser--IK10 PMMA diffuser--IK05)		
Material	End cover	Stainless steel 316	
	Heatsink	Aluminum	
	Diffuser	PC or PMMA	
L70	>54000Hrs		
Glow Wire Test(°C)	650°C		
Operation Temp.(°C)	-20~ 45°C		
Installation	Surface Mounted / Suspended		
Certificates	CE, Rohs, SAA & C-tick		
Warranty	3 Years		

## Packing information

Model Number	Weight/Luminaire (kg)	QTY/BOX (pcs)	Inner Box Size (mm)	Weight/Box (kg)	QTY/CTN (pcs)	Carton Size (cm)	Weight/CTN (kg)	QTY/20GP (PCS)	QTY/40GP (PCS)	QTY/40HQ (PCS)
AU03-TRIP18W2FXX-S	1.10	1	750*80*80	1.25	6	78*26.5*18	8.5	7232	1512	17176
AU03-TRIP30W4FXX-S	1.85	1	1350*80*80	2.05	6	138*26.5*18	13.2	3222	7332	8412
AU02-TRIP36W5FXX-S	2.15	1	1650*80*80	2.40	6	168*26.5*18	15.5	2730	5928	6768



## Specification for Microwave Motion Sensor MC085S A (Needle Connector)

- Detection area, hold time and daylight sensor can be set by DIP switch.
- Two modes optional: Photocell function and Motion function.
- Quick switch ON/OFF 3 times to override sensor function. Lights will switch on all the time.

## Parameter

Sensor Parameters	Operating Frequency	5.8 GHz $\pm$ 75 MHz, ISM band
	Transmitting power	0.5mW Max.
	Hold Time	5S/30S/90S/3min/20min/30min
	Detection	25%/50%/75%/100%
	Daylight Sensor	2Lux/10Lux/25Lux/50Lux/100Lux / Disable
	Daylight open/close	10Lux/50Lux ; 25Lux/75Lux; 50Lux/100Lux; 100Lux/200Lux; 150Lux/300Lux; Disable
	Mounting Height	Suggested: 2.5-4m ,6m max
	Detection Area	4-6m (Radius), Mounting height 3m
	Detection Angle	150° (Wall mounting), 360° (Ceiling mounting)
Operating	Operating Temperature	-25°C+60°C

## Function

### 1) Motion ON-OFF Function



- ❶ With sufficient ambient light, the light will not be switched on.



- ❷ With insufficient ambient light, the sensor switches on the light when motion is detected.



- ❸ After elapse of hold time, the sensor switches off the light when no motion is detected.

### 2) Photocell Night/Light Function



Automatically switches on the lights at dusk.



Stays continuously illuminated throughout the night.



Switches off the lights at dawn.

● Detection Area (Sensitivity)

	1	2	
I	ON	ON	100%
II	-	ON	75%
III	ON	-	50%
IV	-	-	25%

● Hold time

	3	4	5	
I	ON	ON	ON	5s
II	-	ON	ON	30s
III	ON	-	ON	1min
IV	-	-	ON	3min
V	ON	ON	-	20min
VI	-	-	-	30min

● Daylight Threshold

	6	7	8	
I	ON	ON	ON	2Lux
II	-	ON	ON	10Lux
III	ON	-	ON	25Lux
IV	-	-	ON	50Lux
V	ON	ON	-	100Lux
VI	-	-	-	Disable*

\*Disable means the daylight sensor does not work.  
The sensor will turn on light once motion is detected regardless of ambient light level.

● Photocell

	6	7	8	Open/Close
I	ON	ON	ON	10Lux/50Lux
II	-	ON	ON	25Lux/75Lux
III	ON	-	ON	50Lux/100Lux
IV	-	-	ON	100Lux/200Lux
V	ON	ON	-	150Lux/300Lux
VI	-	-	-	Disable*

\*Disable means the daylight sensor does not work.  
The sensor will turn on light once motion is detected regardless of ambient light level.

● Mode Settings

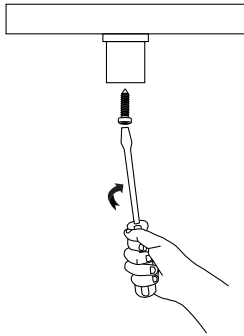
	9	Mode Settings
I	ON	Motion
II	-	Photocell

# Installation Instructions

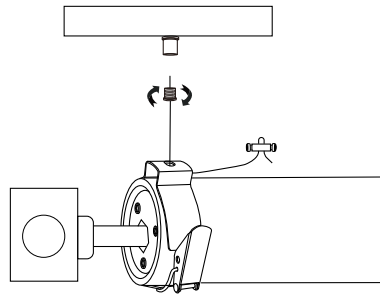
## Method A: Suspended



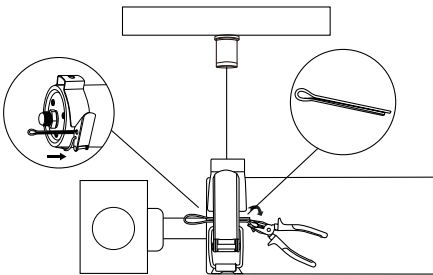
- ① Drill holes in the ceiling and screw in the mounting sockets



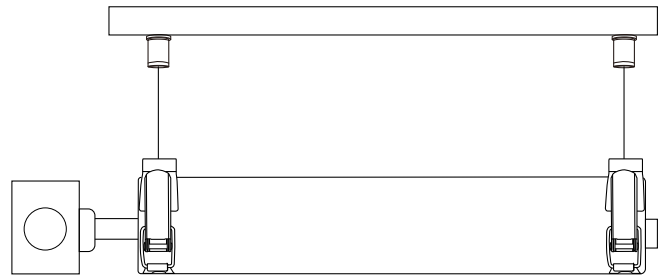
- ② Insert the ropes to the clips and adjust the length, put the bracket on the fixture, then insert the ropes into the screw nuts and screw the nuts into the mounting sockets



- ③ Use the cotter pin to secure the clip of bracket.



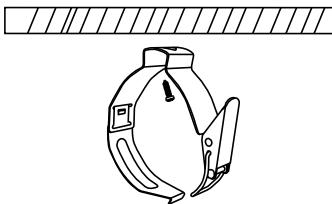
- ④ Adjust the position of the fixture



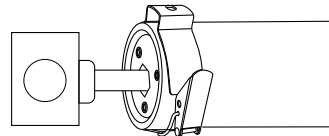
## Method B: Surface



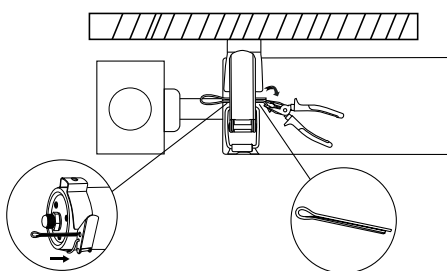
- ① Make a right position and screw holes, fix the clips on the ceiling with provided screws



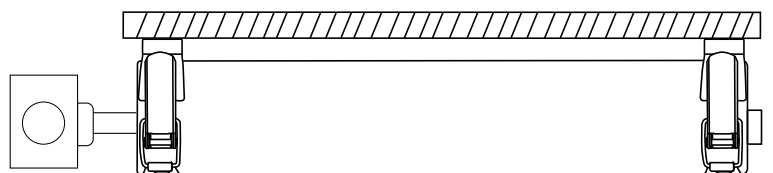
- ② Put the lamp into the brackets as below



- ③ Use the cotter pin to secure the clip of bracket.



- ④ Adjust the position of the fixture

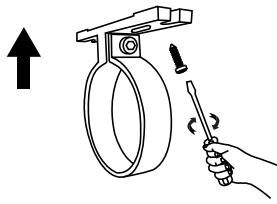


# Installation Instructions

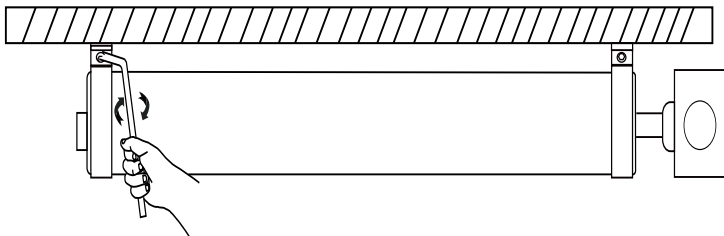
## Method C: Surface



- ① Make a right position and screw holes, fix the brackets on the ceiling with provided screws.



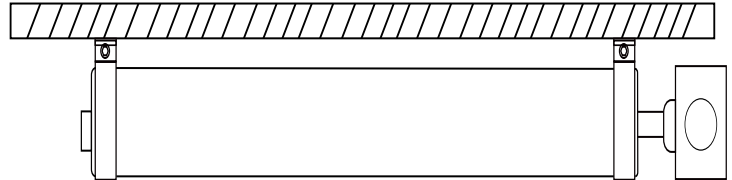
- ③ After the light sitting in the right position, fix the screws on the sides



- ② Loose the screws on the sides, put the light through the two brackets as below



- ④ Turn on the power to ensure the light is working properly



## Please Note:

- \* Product must be installed by licensed electrician.
- \* Disconnect or turn off the power before installation.
- \* Verify the supply Voltage is the same as rated luminaire voltage.

### Packing List (each inner box)

Tri-proof light	1pcs
Screw	4pcs
Brackets	2pcs
Sensor	1pcs

## Applications:

- Coal plants
- Power plants
- Animal farms
- Tunnels
- Overpass
- Car Parks
- Food processing plants
- Flower farms