YLY3-G LED HIGH BAY

Microwave Sensor

Emergency Power Pack

Specifications

Efficiency	150lm/W
Input Voltage	AC 100 ~ 240V
PF	>0.9
LED	SAN'AN 2835
Driver	LIFUD
CCT	3000K / 4000K / 5000K / 5700K / 6500K
CRI	80Ra
Beam Angle	60° / 90° / 120°
Rated Life	50,000Hrs
IP	IP65
Operating Temperature	-20°C ~ +45°C
Material	Aluminium Alloy (body) Polycarbonate (lens / reflector)

Features:

- 150lm/W premium high efficiency with unique design for extra cost saving solution.
- Excellent heat conduction with ADC12 die-casting aluminum.
- Smart control(optional) – pluggable microwave sensor + daylight sensor. Dimmable 0-10V , controlled by remote control.
- Over-current, over-voltage, lightning, high temperature protection to fully guarantee the lifespan and stable performance.
- Built-in surge protection 6kV (line-line), 6kV (line-earth)
- THD<15%, flicker free technology.
- Optional emergency power pack. 15W-3Hrs

Applications:

Ideal for indoor application only such as production area, warehouse, large hall, and hangar.
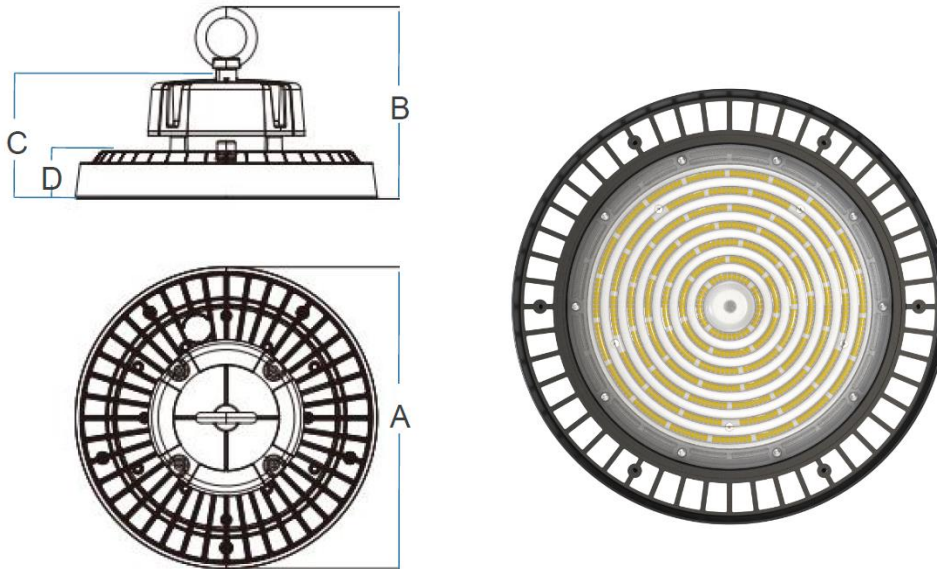
Compliance Standard:

LED	LM-80
Driver	TUV-ENEC, CE, RCM, SAA, CB, FCC EN61347, EN55015, EN61000, EN61547
Luminaire	CE, RoHS

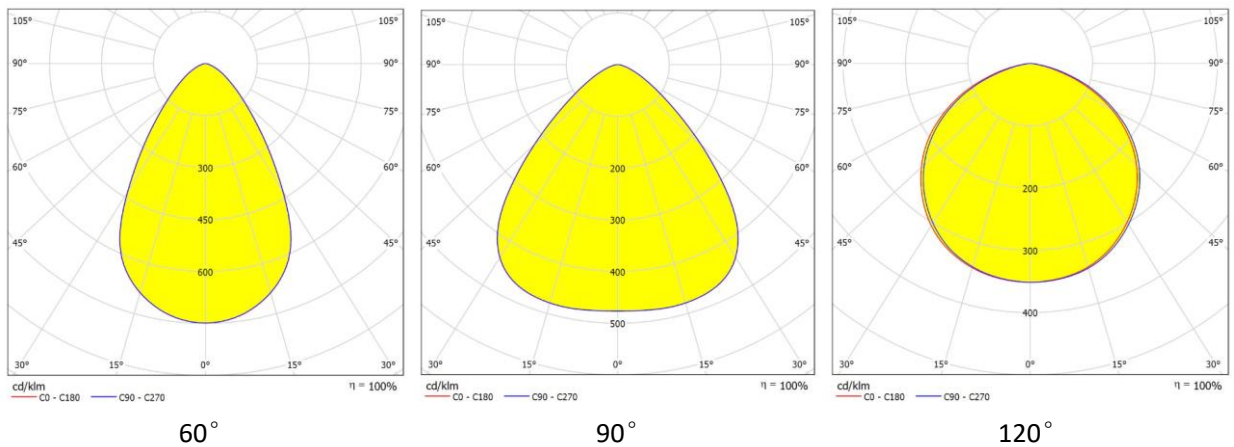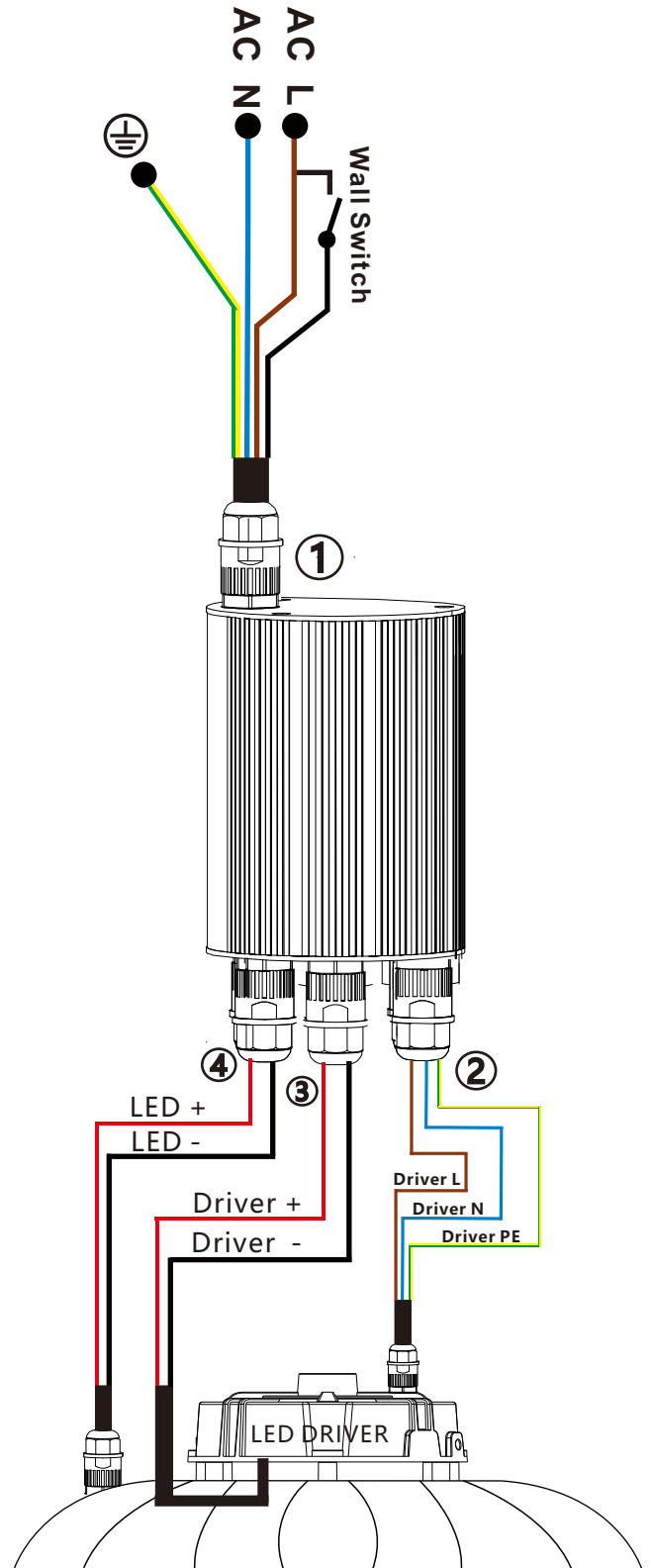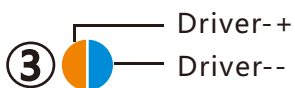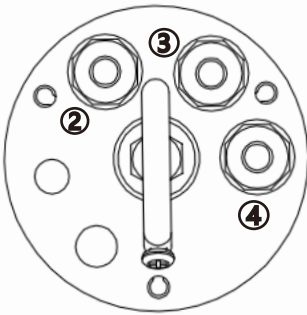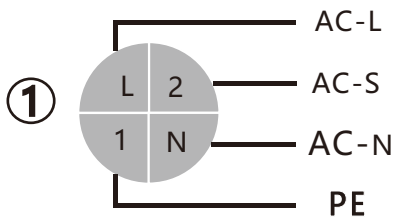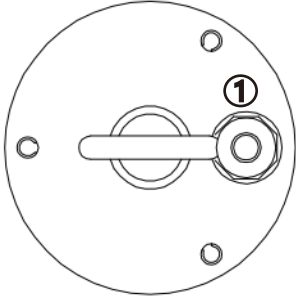| Model	Power	Lumen	Weight
VSL-YLY3-G-100	100W	15,000Lm	2.3kg
VSL-YLY3-G-150	150W	22,500Lm	3.0kg
VSL-YLY3-G-200	200W	30,000Lm	3.9kg

Dimension

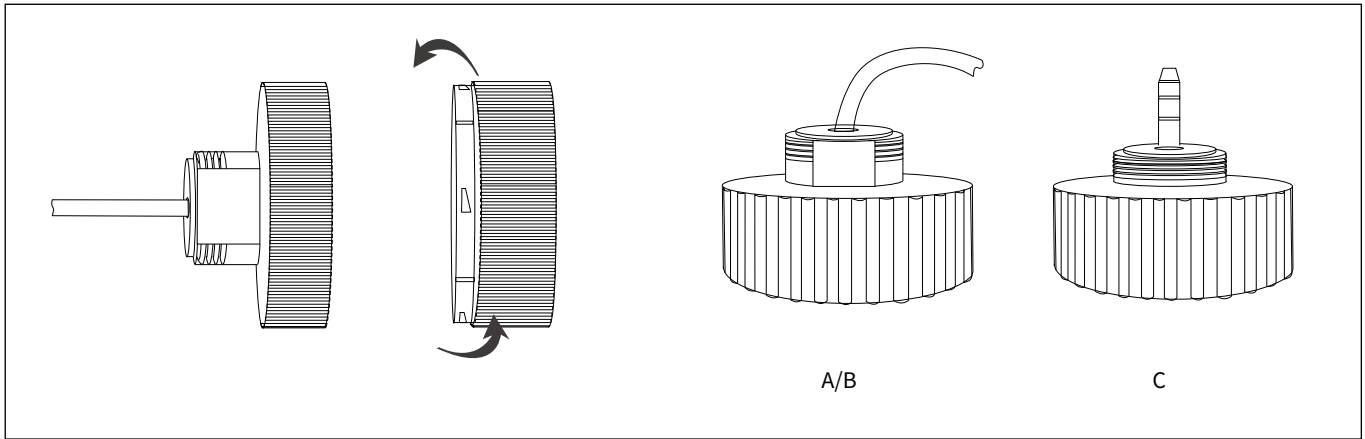| Model	A(mm)	B(mm)	C(mm)	D(mm)
50W	∅254.5	161.8	121.8	40
100W	∅299.5	176.6	134.6	42
150W	∅364.5	176.6	134.6	42

Photometric

60°

90°


120°

Wiring Diagram - Emergency Power Pack

AC L

AC N

Wall Switch

① AC-L

① AC-S

AC-N

PE

L | 2
1 | N

③
②
④

② Driver-L
Driver-N
Driver-PE

③ Driver-+
Driver--

④ LED-+
LED-

LED +
LED -

Driver +
Driver -

Driver L
Driver N
Driver PE

②

③

④

LED DRIVER

Microwave Sensor Specification

A/B   C

» Technical data

Input	Operating voltage	12VDC
	Operating current	≥35mA
Output	Output	10V PWM
Sensor Parameters	Microwave frequency	5.8GHz±75MHz
	Microwave power	<0.3mW
	Sensitivity	100%/75%/50%/25%
	Hold time	5s/1min/3min/10min
	Daylight threshold	10Lux/25Lux/50Lux/Disable
	Stand-by period	0s/10s/10min/+∞
	Stand-by dimming level	20%/30%
	Mounting height	Max.15m (Ceiling mounted)
	Detection range	Radius Max.6m (Ceiling mounted)
	Operating temperature	-35℃~70℃
	IP rating	IP20
	Size	(W*H) ø48*20mm

» Detection coverage

Ceiling Mounted

Mounting height

Wall Mounted

Mounting height

Sensitivity : 25% 50% 75% 100%
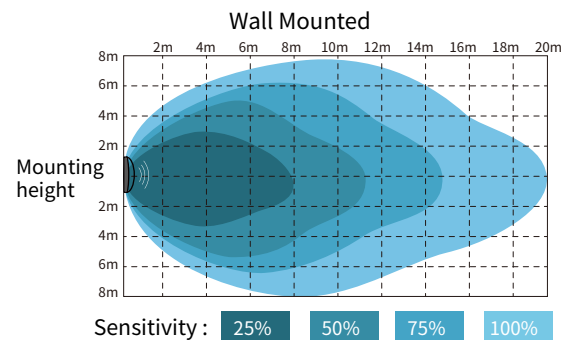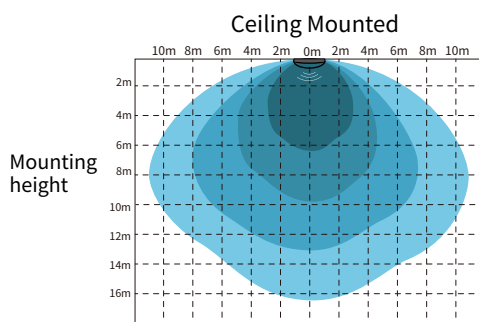
>>> Daylight Priority

Thanks for the Dual-PD technology, The sensor can tell the difference between natural light and artificial LED light, the sensor will turn on your light fixtures when the ambient light is lower than the setting value even there is no any motion was detected. When the ambient light is up to the setting value, the sensor will switch off the light fixtures even there is still motion.

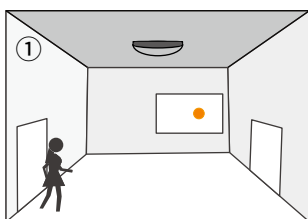Note：Lux-Off sampling time--10s；
Lux-Off sampling time--10s；
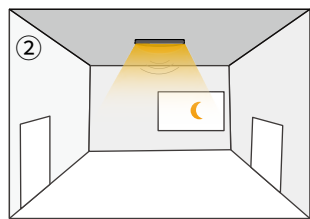Lux-On function takes effect only when standby dimming period set at +∞.
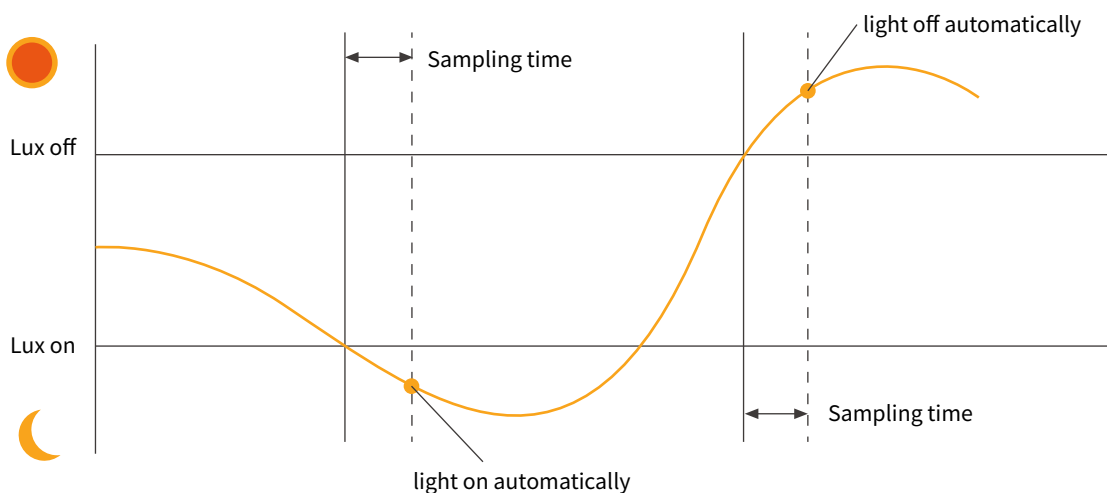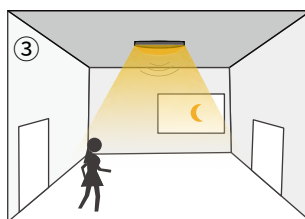

>>> Application

Daylight priority ⩔

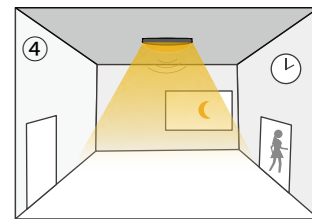>> Lux-On function takes effect only when stand-by dimming period set at +∞.

① With sufficient daylight, even when motion detected, light remains OFF.
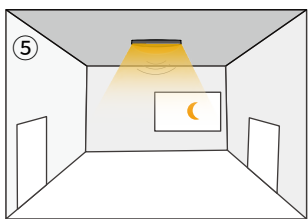
② Light automatically on and dim to the stand-by dimming levle when ambient brightness is lower than preset lux level.
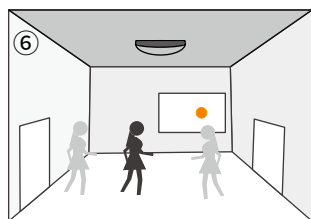
③ With insufficient ambient brightness, light dims to 100% when motion was detected .
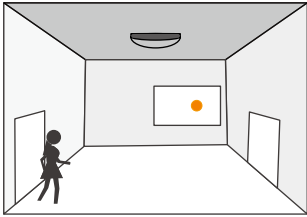
④ Light keeps on 100% within the holdtime.

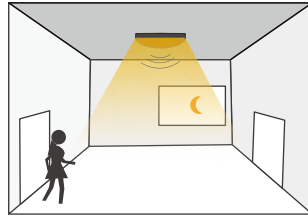⑤ Light dims to standby level if no motion detected after holdtime.

⑥ Light off when ambient lux level is higher than preset lux amount even there is still motion.
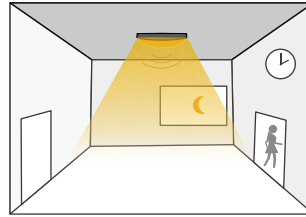
ON/OFF function

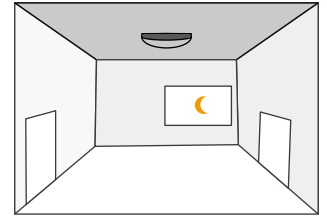» The daylight threshold is set to "10Lux/25Lux/50Lux, Stand-by period is set to "0s".

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

With insufficient ambient brightness, light dims to 100% when motion was detected .
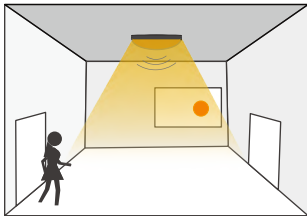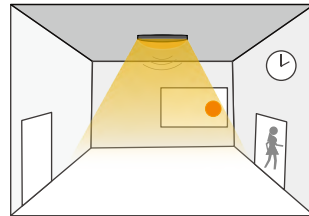
Light keeps on 100% within the holdtime.

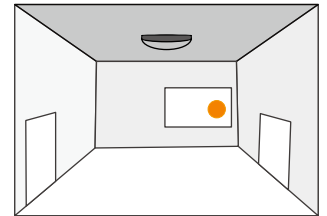After the last detection and the preset hold time elapsed, light OFF.

» The daylight threshold is set to "Disable". Light on when detect movement, After people leave, Light off after stand-by period.

When motion is detected, the sensor will switch on the light to 100% brighteness.
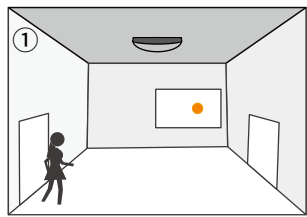
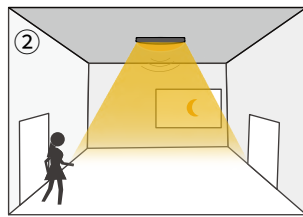After people leave the detection area, light remains 100% brightness within hold time.

After the last detection and the present hold time elapsed, light OFF.
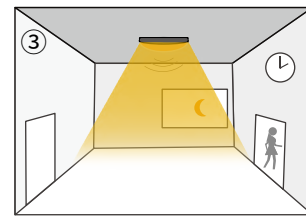
Dimmable control/Corridor function ≫

» The daylight threshold is set to "10Lux/25Lux/50Lux, stand-by period is set to "10s/15min".
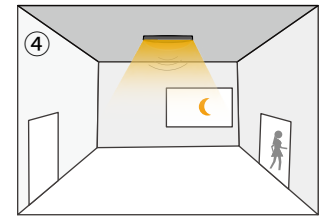
① With sufficient daylight, even when motion detected, light remains OFF.
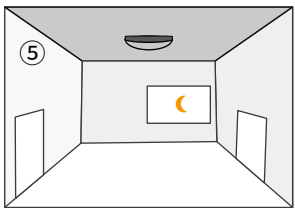
② With insufficient ambient brightness, light dims to 100% when motion was detected .

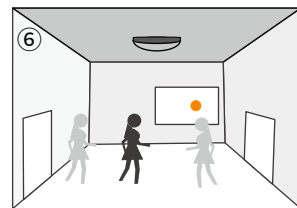③ Light keeps on 100% within the holdtime.

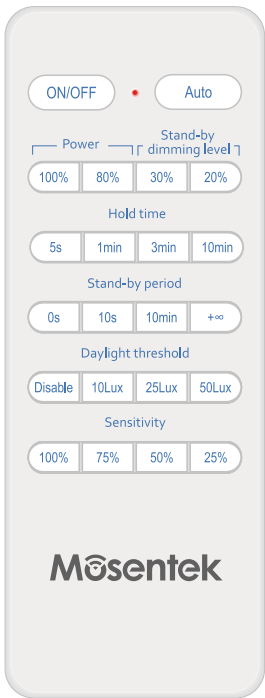④ Light dims to standby level if no motion detected after holdtime.

⑤ After the stand-by period, light OFF.

⑥ Light off when ambient lux level is higher than preset lux amount even there is still motion.

Remote Controller Manual

Key		Function
ON/OFF		Turn on/off the light
Auto		sensor mode
Power	100%	Light power output when motion detected.
	80%	
Stand-by dimming level	30%	The dimming level in the standby period.
	20%	
Hold time		The period of light keeping 100% brightness after moving objects leave the detection area.
Stand-by period		The period of light keeping low output before it's completely switched off. When it's preset as "+∞", the light always keep at low output if no movement in the detection area and doesn't turn off.
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 will detects motion regardless the ambient brightness.
Sensitivity		In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitvity.

Size (L*W*H): 120*45*18.5

7 battery is recommended

Front   Back   Side

120.00 mm

45.00 mm

18.5 mm