Detection area at wall mounting 2m installation
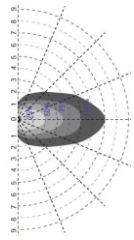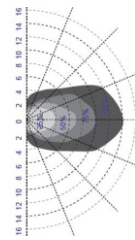

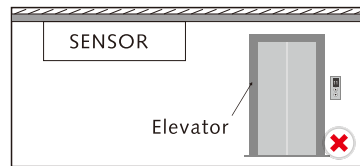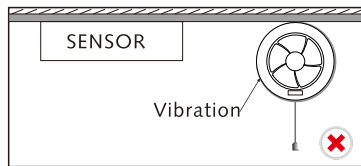Normal moving (Speed:1m/s)　　Slow moving (Speed:0.3m/s)

Remark:　1. Default sensor sensitivity setting at 25%.
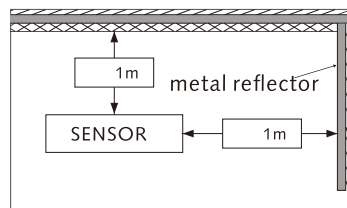　　　　　2.Measurement under indoor application, for outdoor application the detection range may change.

Note:

1.Blowing and raining may trigger the sensor which without weatherproof design.
2.Any vibration or movement signal may trigger the sensor. Ensure the sensor is far from such the signal.
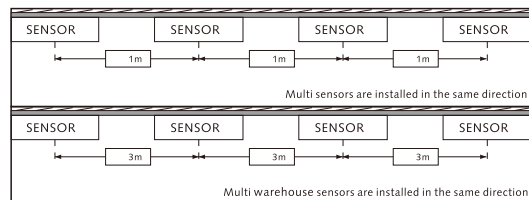

SENSOR

Vibration

SENSOR

Elevator

3.The detection range of the sensor is related to the moving speed and size of moving object, mounting height, installation height and angle, installation site,reflectors around the sensor etc.
The data in the document is typical value and tested by a 165cm person in an open indoor area.
The detection range at wall mounting will be longer at ceiling mounting. Please reduce detection sensitivity at wall mounting or contact us to confirm the sensor data settings.

4.The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should keep away from large areas of metal and glass reflectors (separation distance at least 1 m). Pls reduce the detection area setting to use or contact Merrytek to confirm the situation, once the sensor works improperly.
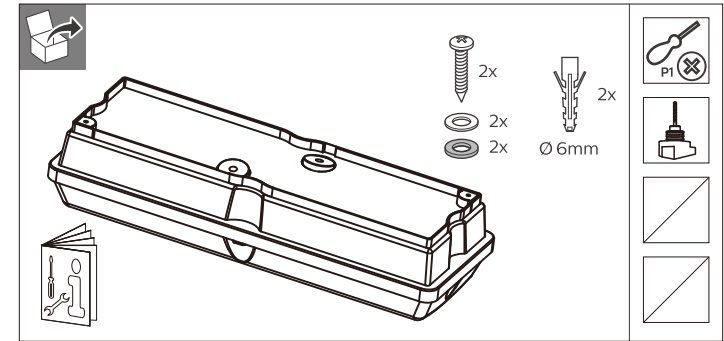

1m　metal reflector

SENSOR　　1m

5.When multiple sensors are installed side-by-side in the same direction,the distance between each other should be kept at least 1m (the warehouse sensors at least 3m) to avoid mutual interference.
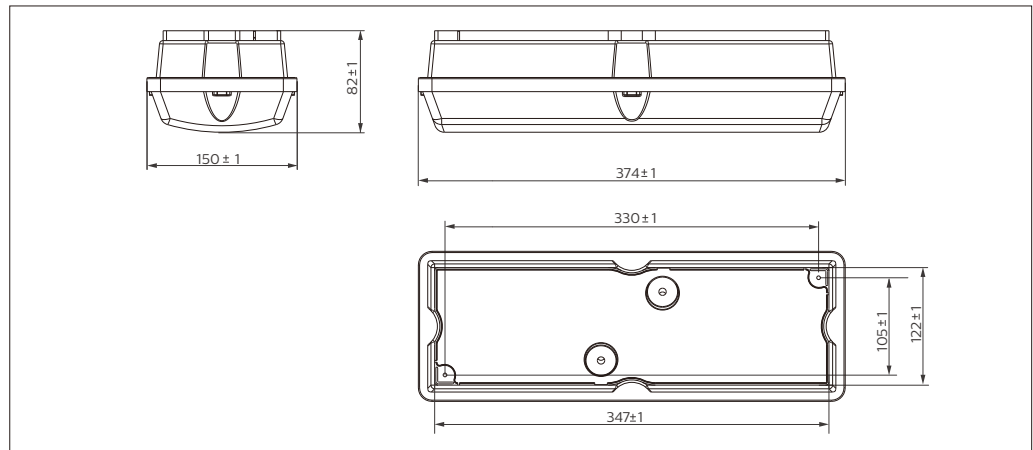

| SENSOR | SENSOR | SENSOR | SENSOR |
| 1m | 1m | 1m |

Multi sensors are installed in the same direction

| SENSOR | SENSOR | SENSOR | SENSOR |
| 3m | 3m | 3m |

Multi warehouse sensors are installed in the same direction

PHILIPS

2x
2x
2x

2x
Ø 6mm

P1

Ledinaire Square Wall-Mounted

WL055V

CE UKCA | □ | **50Hz 60Hz** | **220V 240V** | **IP65** | **IK08** | GLOW WIRE 850 ℃ | Max. 35 ℃ Min. -20 ℃ |

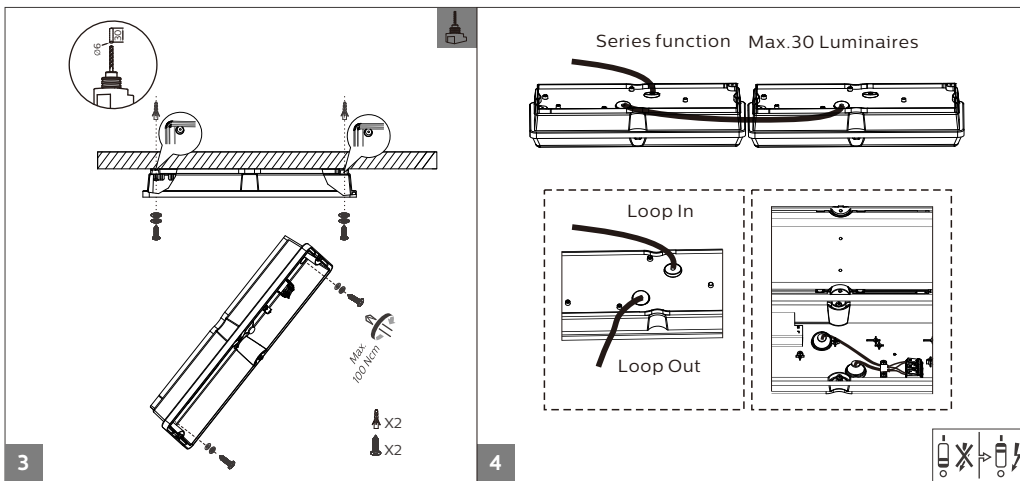|	System lumen	CCT	Driver	P(w)	Energy Efficiency Class of Light source	kg
WL055V LED6S/830 PSU WH	600lm	3000K	PSU	6	D	0.7
WL055V LED6S/840 PSU WH	630lm	4000K	PSU	6	D	0.7
WL055V LED6S/830 PSR MDU WH	600lm	3000K	MDU	6	D	0.75
WL055V LED6S/840 PSR MDU WH	630lm	4000K	MDU	6	D	0.75

82±1
150 ± 1
374±1
330±1
105 ±1
122±1
347±1

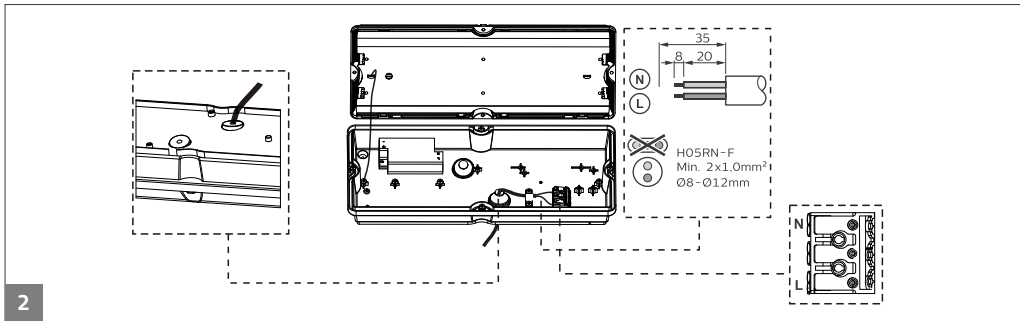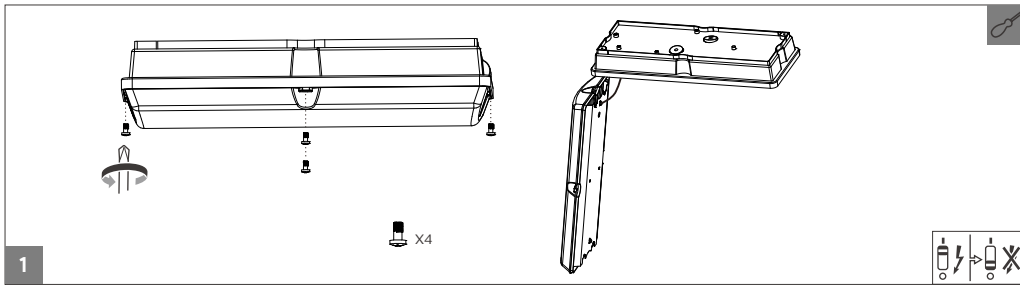-The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
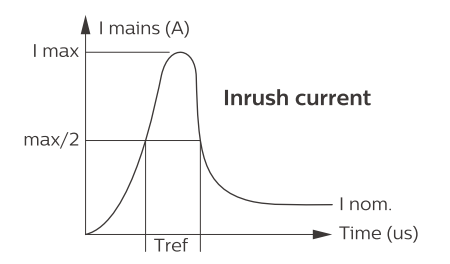-LED board & led driver are not serviceable and replaceable.
-The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
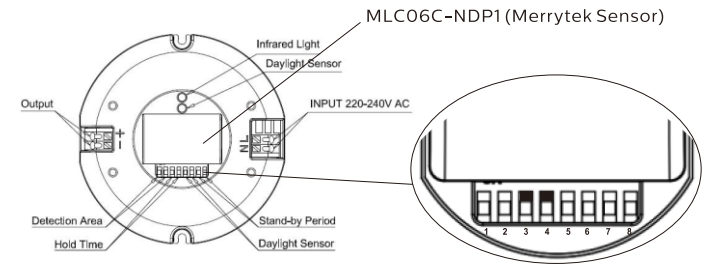
ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

1 X4

2
35
8 20
N
L
H05RN-F
Min. 2x1,0mm²
Ø8-Ø12mm
N
L

3
Max
100 Ncm
X2
X2

4
Series function Max.30 Luminaires
Loop In
Loop Out

LED6S		LED6S	
(PSU) Electrical characteristics		(MDU) Electrical characteristics	
Imax.(A)	5	Imax.(A)	9.6
Tref(μs)	250	Tref(μs)	80
MCB	luminaires Max.	MCB	luminaires Max.
B-10 A	50	B-10 A	88
B-13 A	64	B-13 A	113
B-16 A	79	B-16 A	140
C-10 A	82	C-10 A	146
C-13 A	106	C-13 A	189
C-16 A	134	C-16 A	238

I mains (A)
I max
max/2
Inrush current
I nom.
Tref
Time (us)

Motion Sensor (WL055V LED6S MDU)

MLC06C-NDP1 (Merrytek Sensor)

Infrared Light
Daylight Sensor
Output
INPUT 220-240V AC
Detection Area
Hold Time
Stand-by Period
Daylight Sensor

By Selecting the combination on the DIP Switch, sensor data can be precisely set for each specific application
Factory Setting of Sensor:25%/5S/Disable/+∞

* Recommended setting
1. Installation mode:Ceiling mounting
   Sensitivity: 100%
2. Installation mode:Wall mounting
   Sensitivity: 25%

How to adjust the sensor

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

Detection area (default 25%)
Detection area can be adjusted by
selecting the combination on the
DIP switches to fit each application.

	3	4	
I	ON	ON	5 S
II	ON	-	1 min
III	-	ON	5 min
IV	-	-	10 min

Hold time (default 5 s)
Refers to the time period the
luminaire remains at 100%
change overwhere luminaire
after no motion detected.

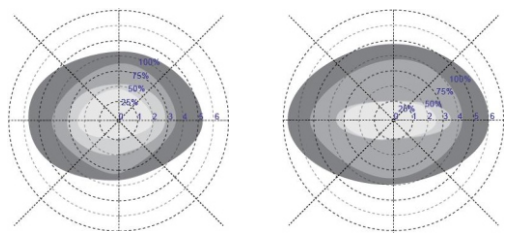|	5	6	daylight threshold	daylight priority
I	ON	ON	5 Lux	5 Lux/50 Lux
II	ON	-	25 Lux	25 Lux/100 Lux
III	-	ON	50 Lux	50 Lux/150 Lux
IV	-	-	Disable*	Disable*

Daylight sensor (Disable)
The sensor can be set to only allow the
luminaire to change overwhere luminaire
below a defined ambient brightness
threshold.
*Disable means the daylight sensor
does not work. The sensor will turn on
light once motion is detected regardless
of ambient light level.

	7	8	
I	ON	ON	0 S
II	ON	-	1 min
III	-	ON	10 min
IV	-	-	+∞

Stand-by Period (+∞)
Refers to the time period of the luminaire remains
at a low light level before it completely switches
off.when set to "∞" mode,the luminaire will not switch
off and keep low light until motion is detected.

Detection area at ceiling 3m installation

Normal moving (Speed:1m/s)   Slow moving (Speed:0.3m/s)

Remark:

1. Default Sensor sensitivity setting at 100%

2. Measurement under indoor application,
for outdoor application the detection
range may change.