MEGAMAN® DINO with PIR sensor

Integrated Waterproof LED Batten

F50200SM/F50400SM/F50800SM

MEGAMAN®

Instruction Manual

PIR sensor specification:

Model number	F50200SM	F50400SM	F50800SM
Wattage	41.5W	63W	19.5W
Voltage	220-240V~	220-240V~	220-240V~
Frequency	50/60Hz	50/60Hz	50/60Hz
Power factor	>0.9	>0.9	>0.9
IP rating	IP66	IP66	IP66
IK rating	IK08	IK08	IK08
Length	1352mm	1652mm	752mm
Maximum number of loop-through connection (Maximum current = 6A)	30	19	63
Maximum length of cable* connection	410m	410m	410m

*Remarks: including power cable and cable for inter-connecting MEGAMAN® DINO.

CAUTIONS

• Read the entire manual carefully before installation and operation.
• Before installation, replacement and cleaning of the luminaire, turn it off and allow it to cool down. Heat-resistant gloves are mandatory when handling the luminaire.
• The suggested installation height is above 2.5m and the minimum safety distance from the illuminated object is 0.1m.
• The luminaire is not suitable to be used in dimmer circuits.

—0.1m

ATTENTION

• Instant start is allowed.
• Designed for indoor and outdoor applications.
• The operating temperature is -20°C to +40°C.
• To optimise the waterproof performance, it is recommended to use oil resistant rubber cable (power cable), H07RN-F/2G1.5.

• The manufacturer accepts no liability for any damage resulting from the misuse of the luminaire or from when it is used with inappropriate equipment.
• The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
• Caution to the risk of electric shock during installation or maintenance. ⚡
• Consult your dealer if you have any enquiries.

• If the external flexible cable of the luminaire is damaged, it should be replaced by a licensed and qualified electrician to avoid any accidents.
• DO NOT REMOVE the plastic clip on the MEGAMAN® DINO.
• MEGAMAN® DINO is a Class II luminaire and NO EARTH function in the luminmaire.

PART LIST

A1 Mounting Clips	A2 Screw	A3 Raw Plug
2 pcs	2 pcs	2 pcs

Wiring

|	
• Open waterproof socket. Step1	• The power cable is passed through the cable gland. Wire is connected to the terminal block as shown below. Step2
• Arrow mark (⇦) on the knob should adjust toward the unlock mark (🔓) on the luminaire. Step3	• Turn clockwise until the arrow mark (⇨) pointed to(🔒) to ensure securely locked. Step4
• To ensure waterproof protection of luminaire, the cable gland should be tighten properly with minimum torque of 1.2Nm. Step5	

MEGAMAN® DINO with PIR sensor
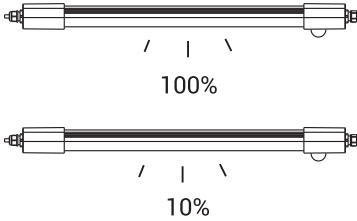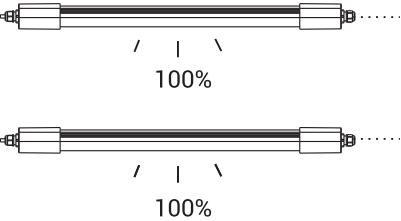
Multiple Connections

• One side of the MEGAMAN® DINO is connected to the power supply, and the other side is connected with another MEGAMAN® DINO, the loop wiring can be applied when connecting two or more MEGAMAN® DINO(s) together.
• Note that PIR sensoring is independent of every MEGAMAN® DINO and will not follow the same wiring signal from previous.
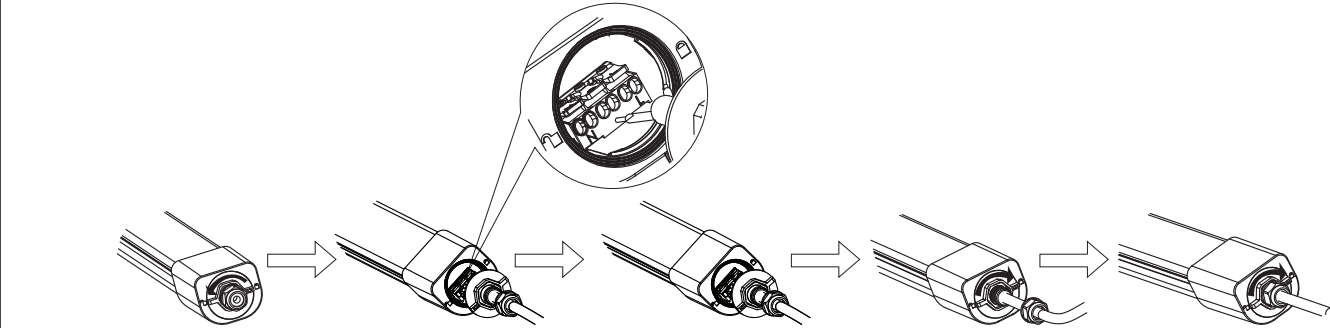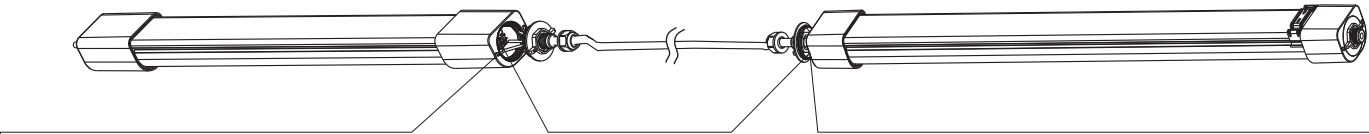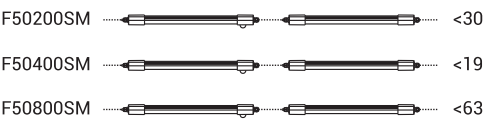

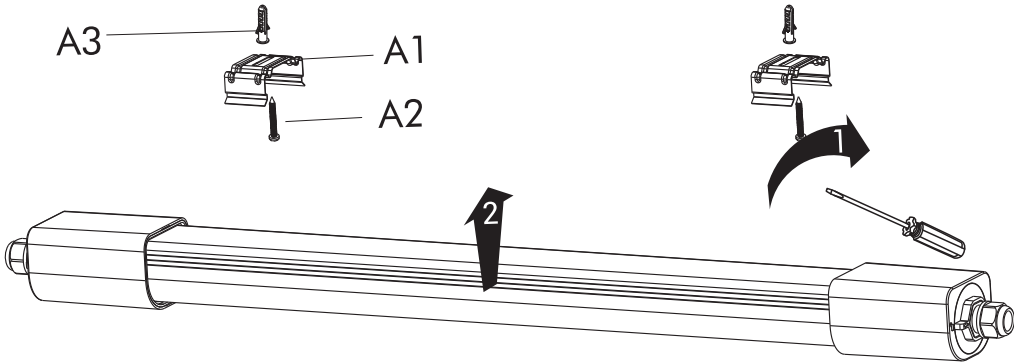| MEGAMAN® DINO with PIR sensor	MEGAMAN® DINO	Multiple connection quantity
100%	100%	F50200SM <30
10%	100%	F50400SM <19
		F50800SM <63

Installation

• Fasten the mounting clips (A1), to wall or ceiling surface with the screw(A2) and raw plug (A3).
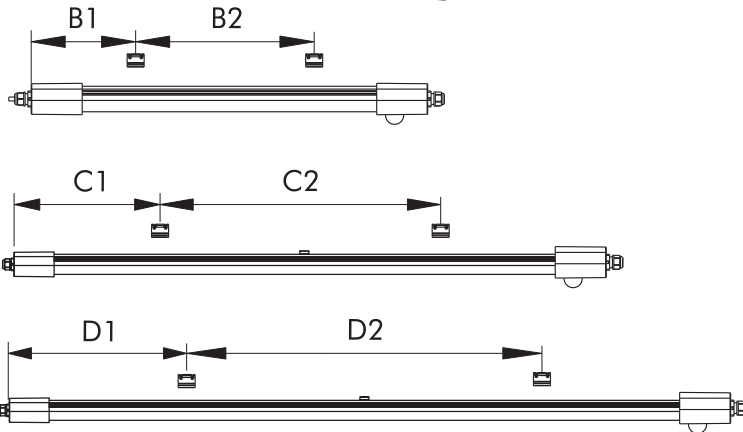

• Suggested distance between the mounting clips:

The length of MEGAMAN® DINO	Distance for B1 (mm)	Distance for B2 (mm)
752mm	172~197	305~355

The length of MEGAMAN® DINO	Distance for C1 (mm)	Distance for C2 (mm)
1352mm	172~197	905~955

The length of MEGAMAN® DINO	Distance for D1 (mm)	Distance for D2 (mm)
1652mm	172~197	1205~1255

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PIR sensor specification:

Detection distance:	Max. diameter 14.5m
Hold time :	10s/5min/10min/15min
Day light sensor:	15lux/30lux/50lux/disable
Detection height :	8m Max.

Setting :

30 15 50 disable MAX MIN **LUX**
10 5 15 20 10S MIN MAX **Hold Time**
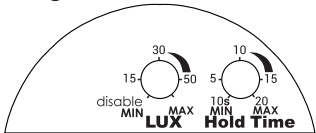
Testing Mode (Happen on every first time switch on) :
When the power switch on, full brightness will be kept at 30s, followed by 10% brightness in 5sec and then full brightness another 5 sec.
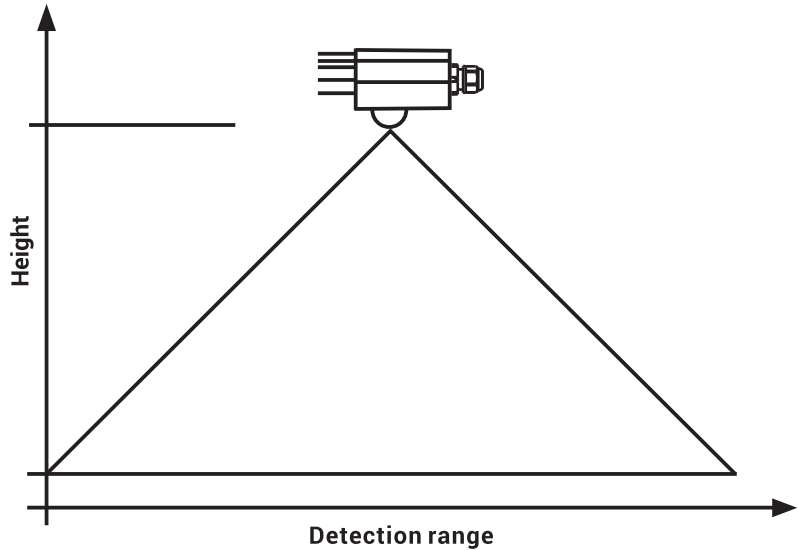
Stand by mode :
After testing mode, luminaire is dimmed to 10% brightness. Luminaire can be activated to full brightness when object detected by PIR sensor.
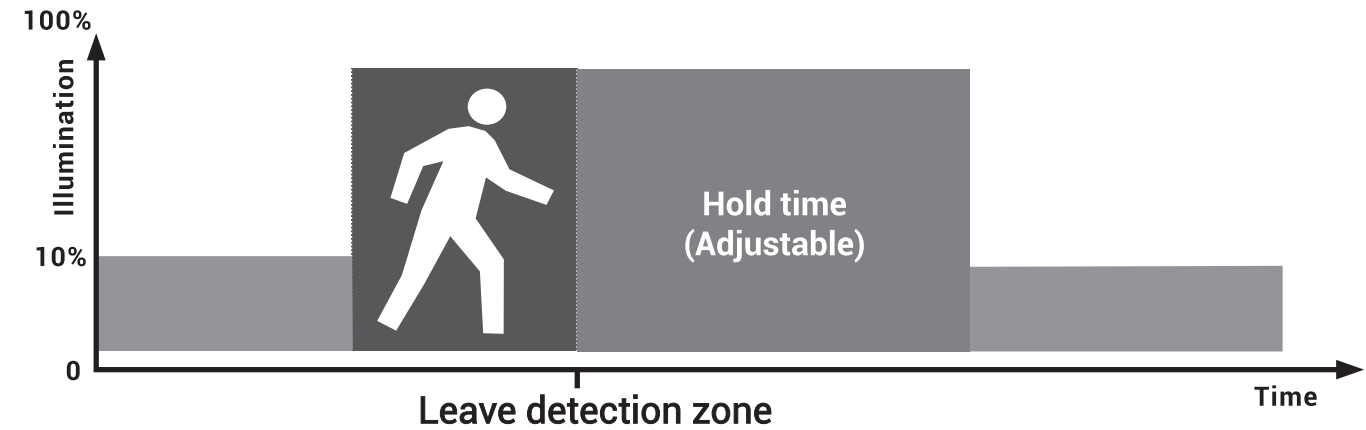
Detection range:

Height(m)	Detection range (Diameter)(m)
2	5
3	7
4	11
5	13
6	13
7	14
8	14

*20% tolerance subject to the environment conditions.

Height

Detection range

Operation Summary

100%

Illumination

10%

0

Hold time (Adjustable)

Leave detection zone

Time

CE ⬚ ☒

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