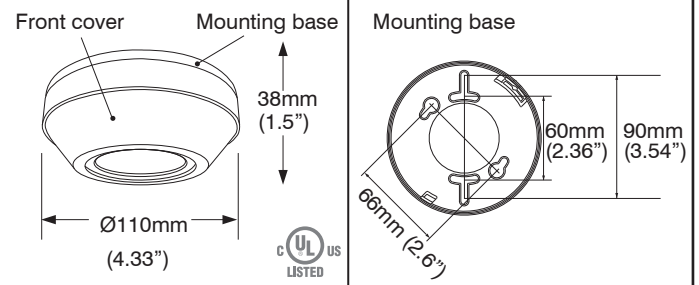
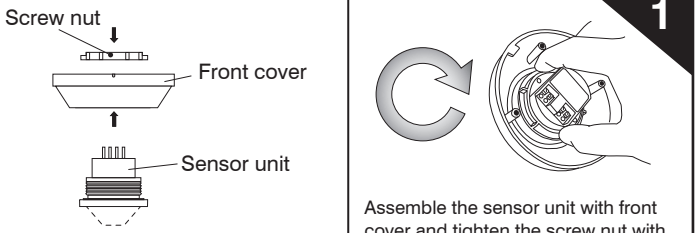
MOUNTING INSTRUCTIONS

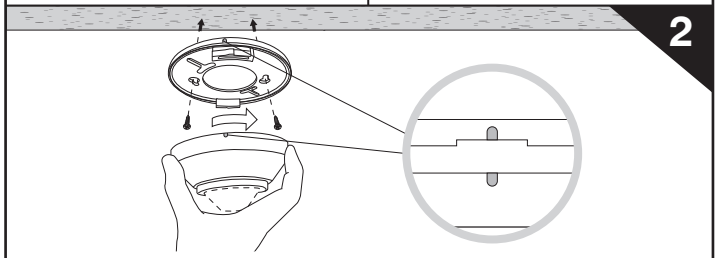
OS-NET sensor is available with multiple mounting options with or without a mounting bracket. These mounting options allow the sensor to be integrated with lighting fixture or mounted on the ceiling in various ways.

Ceiling Surface — S-mount with SMB-500

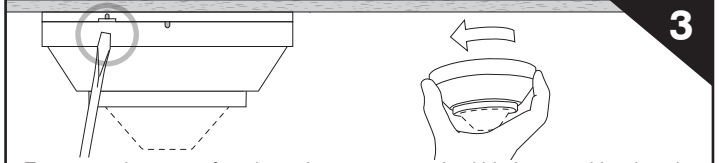




Assemble the sensor unit with front cover and tighten the screw nut with torque no higher than 0.3 lb-ft.

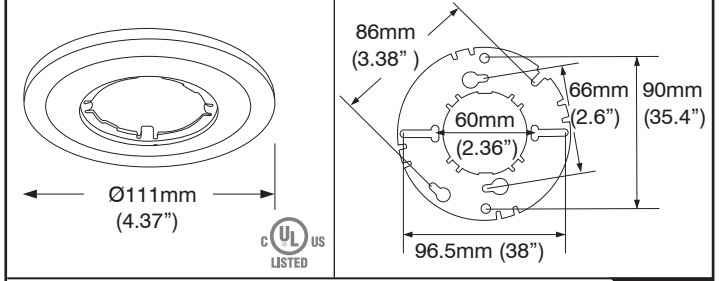


Mount the base on the selected position, lead the wires through the center hole and connect with the sensor. Align the marks and rotate in clockwise to click.

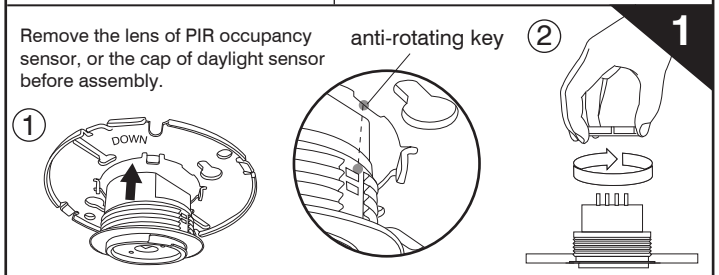


To remove the sensor from base, insert a proper sized blade screwdriver into the slot and press, rotate the sensor in counterclockwise to remove.

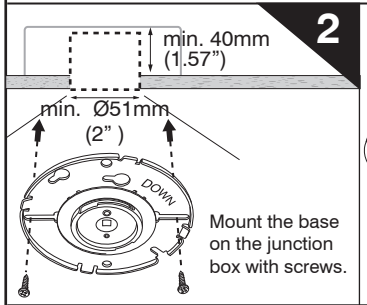
Junction Box — C-mount with CMB-500



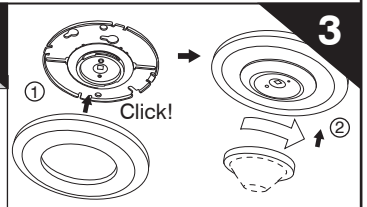
Remove the lens of PIR occupancy sensor, or the cap of daylight sensor before assembly.



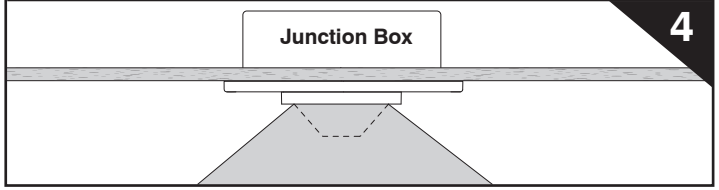
Assemble the sensor unit with the mounting base from DOWN side, and tighten the screw nut from the back with torque no higher than 0.3 lb-ft.



Mount the base on the junction box with screws.



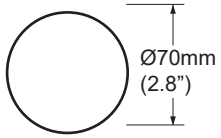
Place the front cover on the base, and mount the lens or sensor cap with the sensor.



Ceiling Recess — R-mount with RMB-500

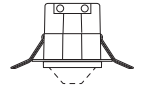
Ceiling Recess — L-mount with LMB-500

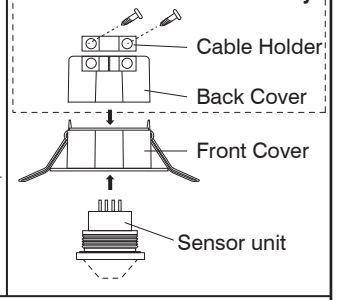
Cut a 70mm (2.8") hole on the mounting position

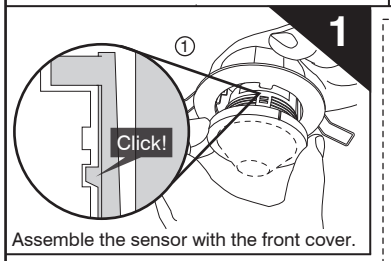


RMB-500

LMB-500



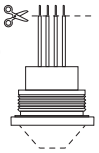




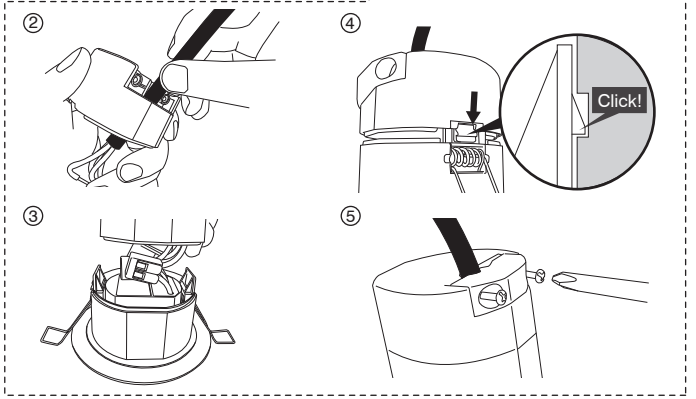
Assemble the sensor with the front cover.

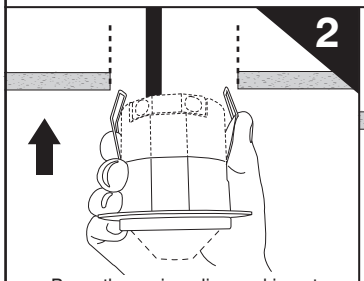
For LMB-500, direct cable through the cable holder of back cover, connect wire to sensor and secure with screw.

NOTE: For the sensor with wires, cut and strip the wires as below;

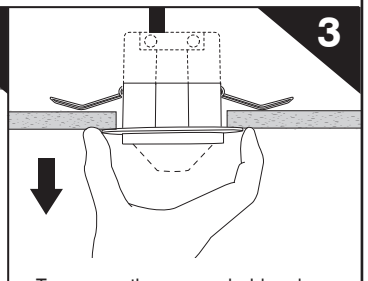


Wire length: 30-50mm
Strip length: 8-11mm





Press the spring clips and insert into the mounting hole.



To remove the sensor, hold and pull downward from the hole.

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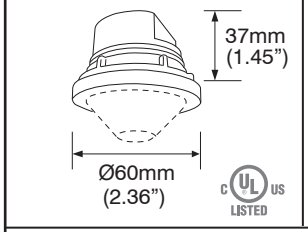
This product may be covered by one or more U.S. patents or patent applications.
Please visit www.irtec.com for more information.

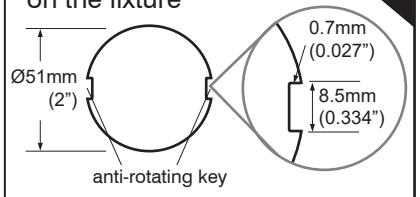
Fixture Integrated — F-mount

IP-66 Fixture Integrated — W-mount

1

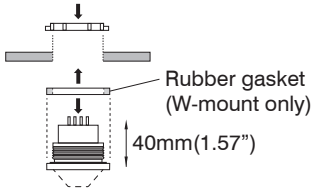


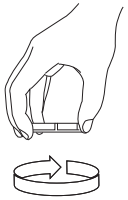
Sensor assembly hole on the fixture



2

Sensor assembly

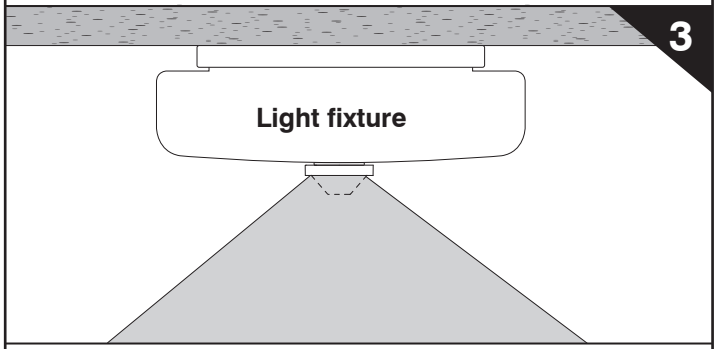




Assemble the sensor into the hole, and tighten the screw nut with torque no more than 0.3 lb-ft.

Note: For IP-66 fixture integration, ensure the rubber gasket is placed in between the fixture enclosure and sensor unit.

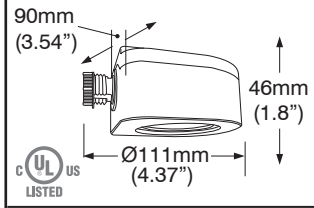
3

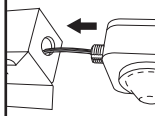


Fixture External — E-mount with EMB-500

IP-66 Fixture External — P-mount with PMB-500

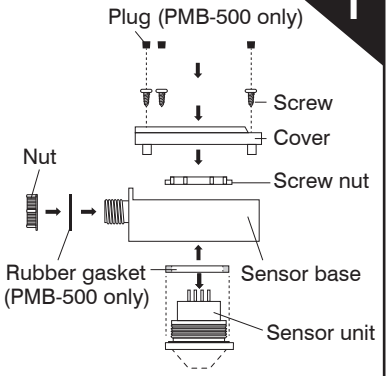
EMB-500 & PMB-500





Fixture integration via 1/2" knockout

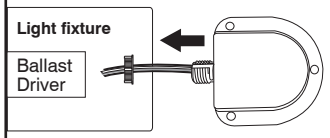
1



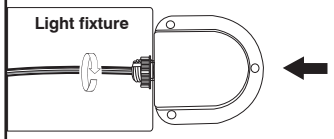
Sensor with wire leads

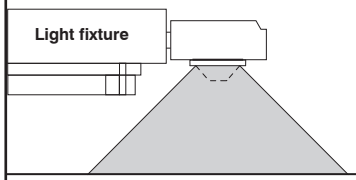
2

① Assemble the sensor with fixture via the knockout hole



② Tighten the screw nut

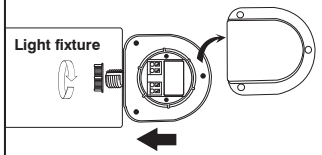




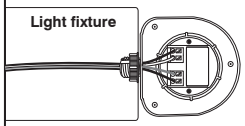
Sensor with terminal block

2

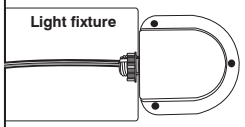
① Remove the top cover and assemble the sensor with fixture via the knockout hole



② Lead the wires through the hole and connect to the terminal block

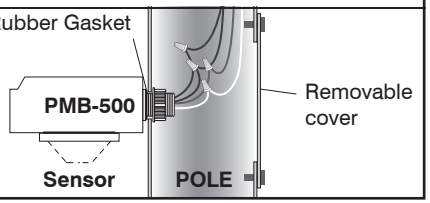


③ Restore the top cover and tighten the screws. Seal the screw holes with rubber plugs



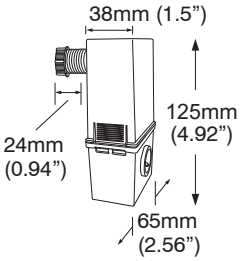
Note: For IP-66 fixture integration with PMB-500, ensure the rubber gasket is placed in between the fixture enclosure and sensor unit.

POLE MOUNT



ACCESSORIES

Extension Mounting Adaptor — EMA-500



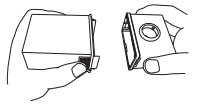
The EMA-500 is an Extension Mounting Adaptor designed for the sensor with EMB-500 or PMB-500. It can be used to lower the mounting position of sensor to prevent the coverage of PIR based occupancy sensor being blocked by the fixture body or enclosure.

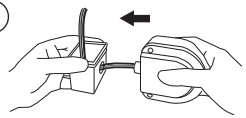
This is not a UL approved mounting option for line voltage sensor.

Assemble with EMB-500

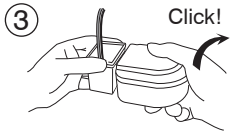
1

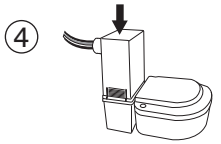
① Separate the adaptor



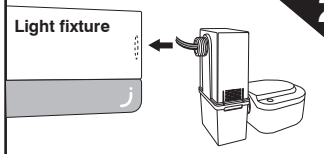


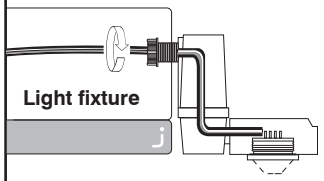
③ Click!





2





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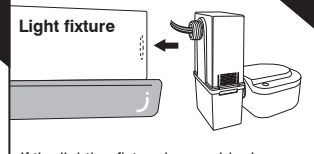
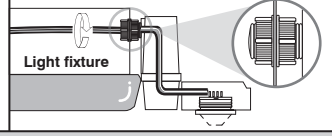
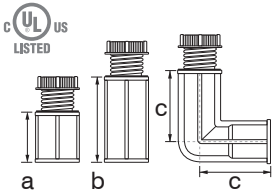


If the lighting fixture has a wider lower enclosure, use double screw nuts on the threaded nipple to prevent sensor being tilted.

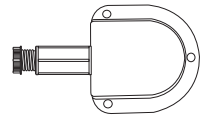


Extension Joint — EJ-30 / EJ-50 / EL-40



a EJ-30 30mm(1.18")
b EJ-50 50mm(1.97")
c EL-40 40mm(1.57")

With E/P - mount



The EJ-30, EJ-50 and EL-40 are extension joints that can be used to extend the E/P mount sensor position for 30, 40 and 50 mm. Combine the joints if longer extsntion is required. For outdoor use, order EJ-30F, EJ-50F or EL-40F.