PIR LED WALL LIGHTS WITH MOTION SENSOR

Quick Start Guide

MODEL: BDB55G-3
COMPONENTS AND STRUCTURE

BDB55G-3

1. Cover
2. LED Light Source
3. Lamp Bracket
4. Sensor Head

PARTS LIST

A. Machine Screw QTY: 3
B. Expansion Rubber Plug QTY: 3
C. EVA Gasket QTY: 1
D. Mounting Bracket QTY: 1
E. Wire Nuts QTY: 3
F. Long Machine Screw QTY: 1
G. Silicone Gasket QTY: 1
H. Machine Screw QTY: 2
I. Machine Screw QTY: 2
<table>
<thead>
<tr>
<th><strong>SPECIFICATIONS</strong></th>
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<tbody>
<tr>
<td><strong>LED WALL LAMP</strong></td>
</tr>
<tr>
<td><strong>Model</strong></td>
</tr>
<tr>
<td><strong>Input Current</strong></td>
</tr>
<tr>
<td><strong>Rated Power</strong></td>
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<tr>
<td><strong>Luminous Flux</strong></td>
</tr>
<tr>
<td><strong>Input Voltage</strong></td>
</tr>
<tr>
<td><strong>CCT</strong></td>
</tr>
<tr>
<td><strong>CRI</strong></td>
</tr>
<tr>
<td><strong>Power Factor</strong></td>
</tr>
<tr>
<td><strong>L70B50 lifetime</strong></td>
</tr>
<tr>
<td><strong>Beam Angle</strong></td>
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</tbody>
</table>

**SUITABLE FOR WET LOCATIONS**

<table>
<thead>
<tr>
<th><strong>Dimensions (LxHxW)</strong></th>
<th>272x123x121mm / 10.71x4.84x4.76 in</th>
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</thead>
<tbody>
<tr>
<td><strong>Weight</strong></td>
<td>0.98 kg / 2.16 lb</td>
</tr>
<tr>
<td><strong>Max Projected Area</strong></td>
<td>0.0214m² / 0.23ft²</td>
</tr>
<tr>
<td><strong>Max. Lighting Coverage</strong></td>
<td>90m² / 968ft²</td>
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**Note:**
The testing standard of the product’s luminous flux: Place the three/two lights on the same horizontal surface for testing, and the tested luminous flux is the accurate luminous flux.

![Diagram](image)
1. The PIR sensor shall always be tilted slightly downward.
2. The orientation angle of the sensor shall be between 0-45°.
3. The detection distance of the sensor is the farthest when the ambient temperature is 25°C.
   Any temperature fluctuations above or below 25°C will affect the detection distance.
4. If the light continues to detect motion while it is on, it will remain on until the motion stops.
NOTE:
Before beginning assembly of product, make sure all parts are present. Compare parts with parts list. If any part is missing or damaged, do not attempt to assemble the product.
Estimated Assembly Time: 30-60 minutes.
Recommended to be installed on the ground above 2.5m (8.2 ft) and no higher than 5 m (16.4 ft).
Product appearance may vary from image shown.

TOOLS REQUIRED (not included)

Flathead screwdriver  screwdriver  Silicone Sealant  Eye Protection  Pliers  Step Ladder

WARNING:
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

CAUTION:
PLEASE MAKE SURE YOUR WALL SWITCH AND POWER AT MAIN CIRCUIT BREAKER BOTH ARE OFF.
IF IN DOUBT ABOUT ELECTRICAL INSTALLATION, CONSULT A LICENSED ELECTRICIAN.
RISK OF SHOCK:
BEFORE BEGINNING INSTALLATION, TURN OFF ELECTRICITY AT THE CIRCUIT BREAKER BOX OR THE MAIN FUSE BOX.

NOTE:
BE SURE TO USE WIRE NUTS/CONNECTORS RATED FOR THE CORRECT GAUGE AND NUMBER OF WIRES USED.
MAKE SURE THERE ARE NO EXPOSED WIRE BUNDLES OUTSIDE THE WIRE NUT/CONNECTOR (IF APPLICABLE).
BE CAREFUL NOT TO DAMAGE OR CUT THE WIRE INSULATION (COVERING) DURING INSTALLATION. DO NOT LET THE WIRES TOUCH ANY SHARP EDGES.

WARNING:
DO NOT CONNECT THIS LIGHT FIXTURE TO AN UNGROUNDED ELECTRICAL SYSTEM. ATTACH GROUND FIXTURE WIRE TO EITHER GREEN GROUND SCREW ON MOUNTING PLATE OR THE GROUND WIRE IN THE OUTLET BOX.
INSTALLING THIS LIGHT IN AN UNGROUNDED ELECTRICAL SYSTEM MAY CAUSE THE METAL PARTS OF THE LIGHT TO CARRY CURRENT IF ANY WIRES OR WIRE CONNECTIONS ARE DAMAGED OR LOOSE. IN THIS CASE, ANYONE WHO TOUCHES THE LIGHT WILL RECEIVE AN ELECTRIC SHOCK, RESULTING IN INJURY OR DEATH.
FOR WET LOCATION, MAKE SURE FILL FULL THE GAP OF EVA GASKET AND MOUNTING SURFACE WITH SEALING COMPOUND OR SILICON GLUE.

INSTALLATION STEPS

1. D  
2. E

WHITE NEUTRAL LINE
FROM HOUSE

WHITE NEUTRAL LINE
FROM FIXTURE

BLACK LIVE WIRE
FROM HOUSE

BLACK LIVE WIRE
FROM FIXTURE

GREED GROUND WIRE
FROM HOUSE

GREED GROUND WIRE
FROM FIXTURE
The raised part (RA) of the metal plate must be engaged with the recessed part (RE) of the base, otherwise it cannot be installed.

Note:
## TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Malfunction</th>
<th>Cause</th>
<th>Remedy</th>
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</thead>
<tbody>
<tr>
<td>LED senses a movement, the light does not light up</td>
<td>1. The light is not energized</td>
<td>1. Check power-on status</td>
</tr>
<tr>
<td></td>
<td>2. Other surrounding light sources make the light misjudge it as daytime</td>
<td>2. Turn off the nearby lights or sensor head to other directions</td>
</tr>
<tr>
<td></td>
<td>3. During the day, the brightness is in night mode</td>
<td>3. Reset</td>
</tr>
<tr>
<td></td>
<td>4. Internal wiring is loose</td>
<td>4. Rewiring after power failure</td>
</tr>
<tr>
<td>LED sensor light did not go out, continued to light up</td>
<td>Continuous movement within the sensing range</td>
<td>Check the relevant area and retune or override the sensor head if necessary</td>
</tr>
<tr>
<td>LED sensor light illuminates during the day</td>
<td>The shadows around the sensor make it mistakenly think it's night</td>
<td>1. Do not cover the sensor head</td>
</tr>
<tr>
<td></td>
<td>2. Place the light in a place where the light is bright enough during the day</td>
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</tr>
<tr>
<td>LED sensor light flashing</td>
<td>Surrounded by other unstable light sources shining onto the induction</td>
<td>Avoid being exposed to such light sources</td>
</tr>
<tr>
<td>LED lights turn on unexpectedly</td>
<td>1. Wind blows the branches and bushes within the sensing range</td>
<td>1. Adjust its scope</td>
</tr>
<tr>
<td></td>
<td>2. Sensing cars on the road</td>
<td>2. Adjust its scope</td>
</tr>
<tr>
<td></td>
<td>3. Sudden temperature change due to climate factors or fans, exhaust from open windows</td>
<td>3. Change irradiation area</td>
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</tbody>
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**General Notes:**
- Ensure all electrical connections are secure.
- Regular maintenance checks are recommended for optimal performance.
Manufacturer/Hersteller:
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