

Installation Manual

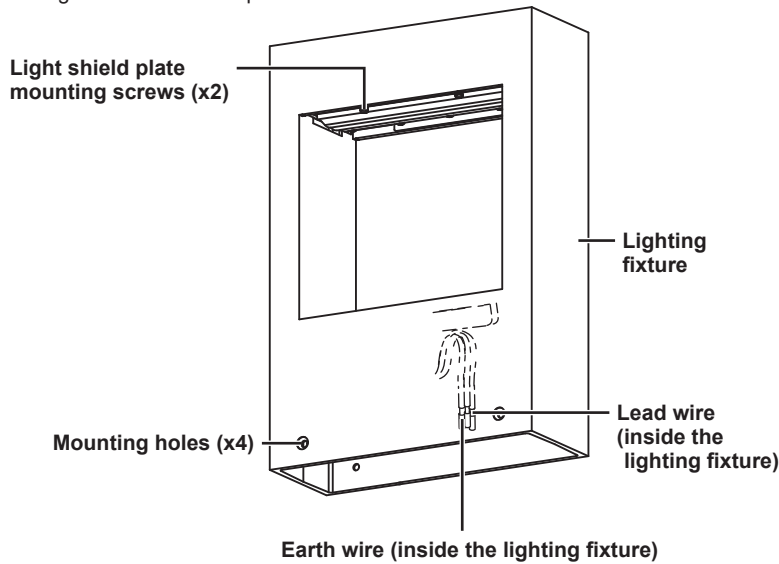
For outdoor installation
Foot-wash bollard light

Model: LLP-7128LU / LLP-7128YU

- For outdoor installation (rainproof, moisture-proof, heavy-duty salt-resistant)
- For installation on the ground (Fixed/recessed dual-use)
- LED unit is non-replaceable
- Non-Dimmable
- Cannot be used alone. Dual-use with compatible base plate or compatible spike.

Name of parts

*The diagram below is a simplified illustration.



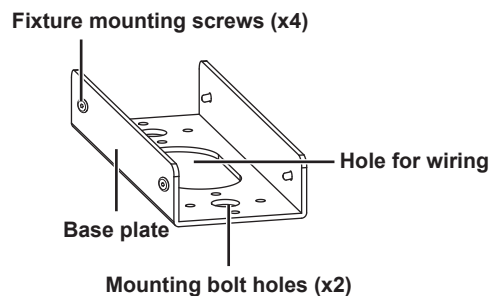
Sold separately



Electrical insulating resin pack
Scotchcast WS-0 (Manufactured by 3M)

Base plate (sold separately)

Model No. LLA-7129U



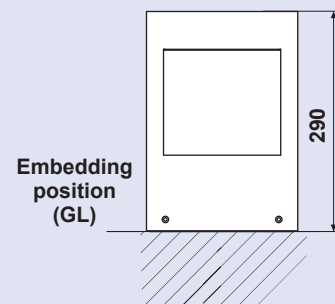
Enclosed parts



Hexagonal wrench
(nominal size: 2.5)

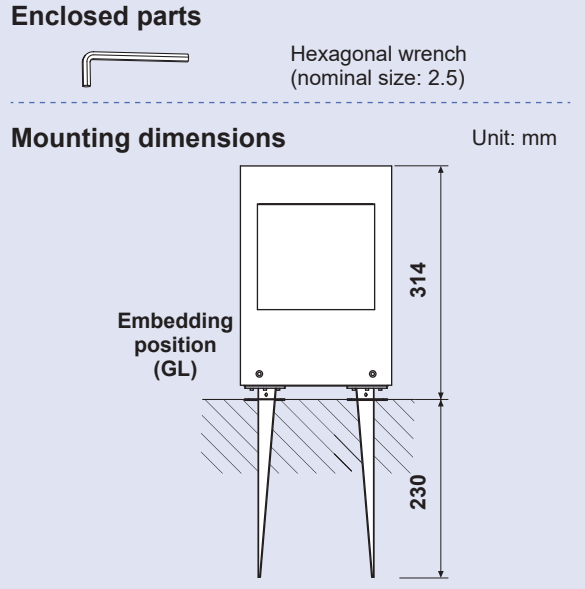
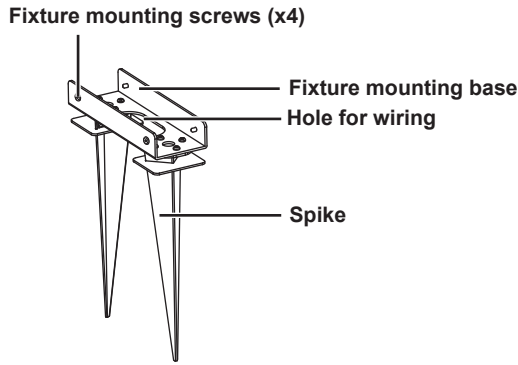
Mounting dimensions

Unit: mm



Spike (sold separately)

Model No. LLA-7130U



Installation Procedure Installation with base plate (Sold separately)

Precautions before Installation

- During installation, make sure to follow the electrical equipment technical standards.
- Install the base plate in a location with a solid substrate and good drainage.
- Use a conduit or similar method to protect the cable up to the hole for wiring.

*The power supply cable, cable protective conduit, bolts, nuts, washers and spring washers are not included with the fixture. Please prepare these separately.

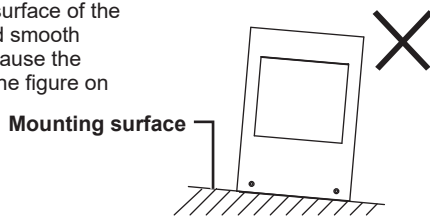
Warning



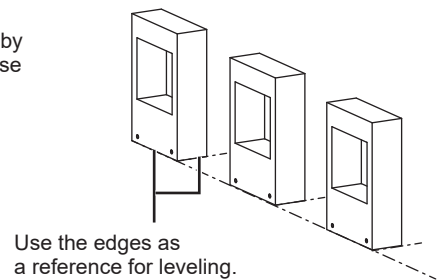
Do not install in the following locations. Doing so may cause insulation failure or tipping.

- Locations where water accumulates
- Locations with high moisture
- Locations with soft subsoil

- Make sure the mounting surface of the base plate has a level and smooth finish. Otherwise, it may cause the fixture to tilt as shown in the figure on the right.



- When installing multiple fixtures, level the fixtures by using the edges of the base plate as a reference.

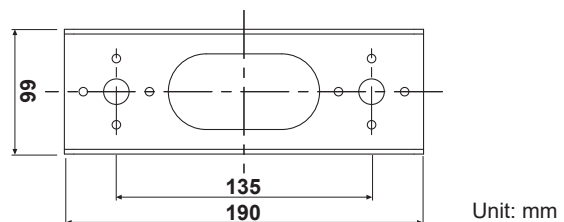
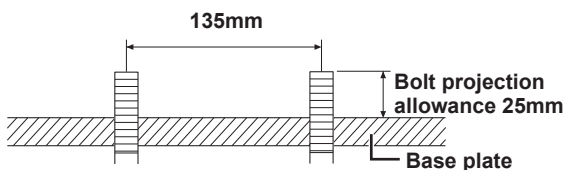


Caution

- If the mounting surface is not level and smooth, it may cause tilting.
- If leveling is incomplete, it may result in an uneven installation orientation.

1 Check the mounting surface.

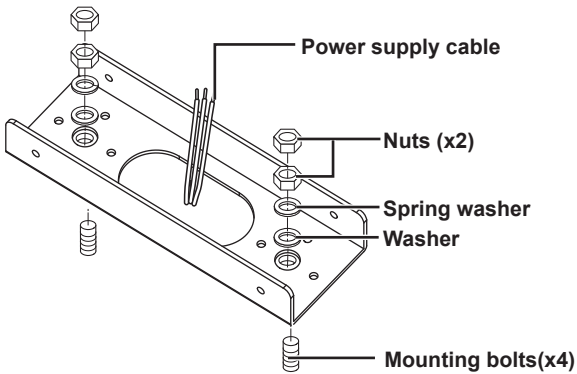
*Bolts are not included with the base plate. Please prepare M10 mounting bolts separately.



2 Install base plate with mounting bolts.

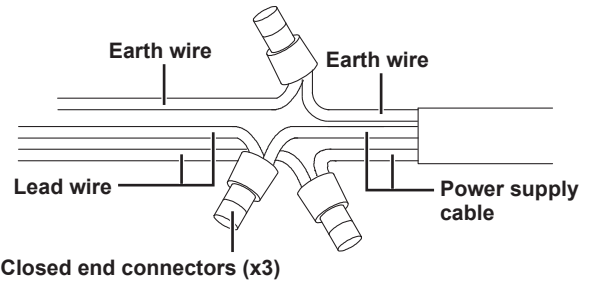
- Strip about 200 mm of the power supply cable and pull it out from the base plate.

*Washers, spring washers and nuts are not included with the fixture. Please prepare M10 washers, spring washers and nuts separately to match the bolts.



3 Connect the power supply cable. (Be sure to turn off the power before starting work.)

- Securely connect the power supply cable and lead wire with the closed end connectors.



Warning

- Use a compatible electric wire and connect it securely. Insufficient connection may cause fire.

4 Apply waterproofing to the connection wiring part.

- Insert two wiring sections (lead wire) into one electrical insulating resin pack.

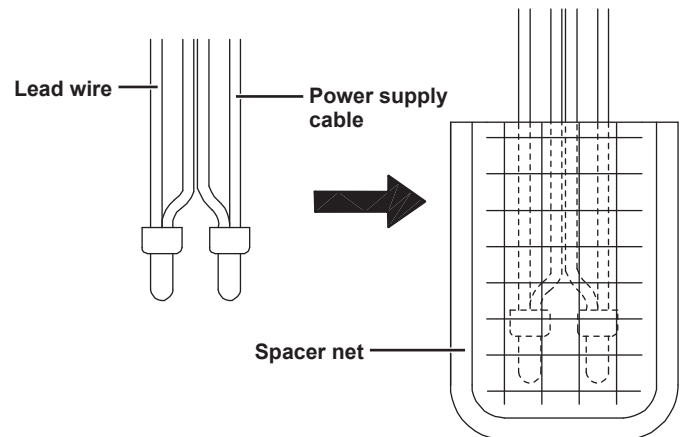
- Make sure to insert the wiring sections securely into the spacer net.

*Make sure to waterproof the connection section using a separately sold electrical insulating resin pack (3M Scotchcast WS-0) or equivalent.

*The resin will harden in about 2 hours. Be careful not to burn yourself as the resin becomes hot during hardening.

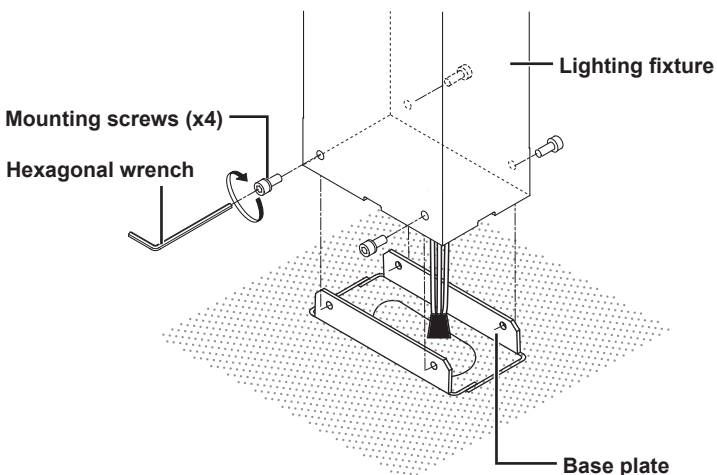
Warning

- Insufficient waterproofing may cause fire, electric shock, insulation failure, or electrical leakage.



5 Install the lighting fixture.

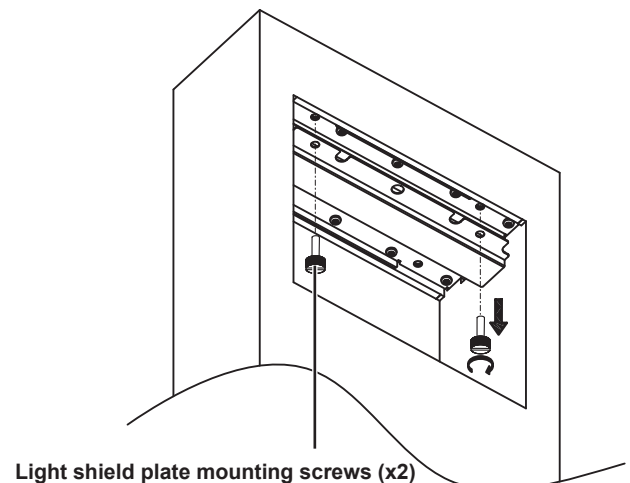
- Remove the fixture mounting screws (x4) attached to the base plate and set the lighting fixture on the base plate. Next, securely tighten and fasten the fixture mounting screws (x4) with the included hexagonal wrench.



When removing the light shield plate

- Remove the light shield plate mounting screws (x2) on the lighting fixture and remove the light shield plate.

*The light shield plate can be replaced front-to-back.

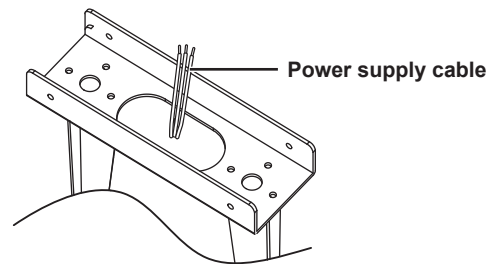
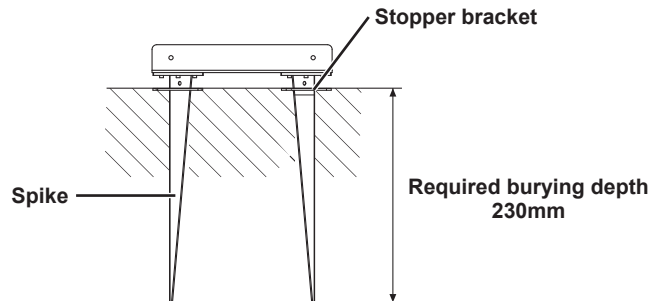


Precautions before Installation

- Install on a level surface. Never install in depressed areas or on sloped surfaces. Water may accumulate, causing the fixture to tip over.
- Do not lay cables in locations that are subject to loads (such as locations over which vehicles operate).

1 Embed the spike in the ground.

- Select a firm location on the ground, insert the spike vertically down to the embedding position (GL), and make sure it is fixed securely.
 - Strip about 200 mm of the power supply cable and pull it out from the fixture mounting base.
- *If the ground is hard, loosen it first with a shovel or similar tool before pressing it in.
*Remove any gravel.

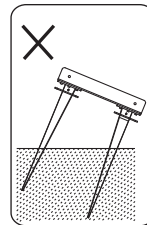


Warning

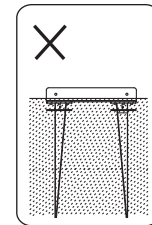
- If embedding is incomplete, it may cause insulation failure or tipping.

Warning

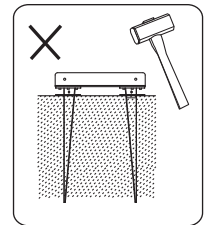
- The pole cannot be installed in a non-vertical orientation. Ensure the specified embedding depth. Failure to do so may cause electric shock, injury, or damage due to tipping over.
- Do not embed the fixture beyond the embed level display label. This may compromise the waterproof function and cause insulation failure or electrical leakage.
- Do not strike the fixture with a hammer, tools, etc. This may cause malfunction or damage.



Do not tilt it.



Do not exceed embedded lines.



Do not strike with a hammer or other tools.

2 Connect the power supply cable. (Be sure to turn off the power before starting work.)

See P.03, Step 3.

3 Apply waterproofing to the connection wiring part.

See P.03, Step 4.

4 Install the lighting fixture.

See P.03, Step 5.

When removing the light shield plate

See P.03, "When removing the light shield plate"