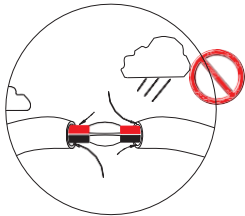


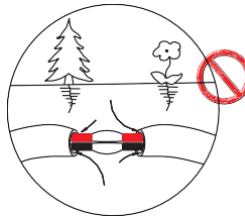
Waterproof wiring instructions

How to dispose the outdoor light connector correctly

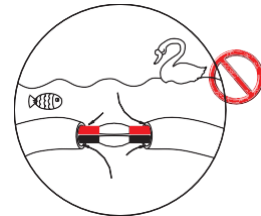
Precaution of water prevention and moisture to enter the lamp through power cable IP65/IP66/IP67/IP68, According to the research and test, the water infiltration is one of the biggest damage to the outdoor fixtures. The following pictures are those typical circumstances will take place:



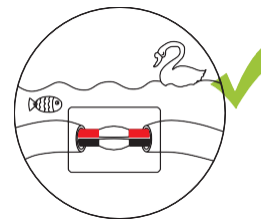
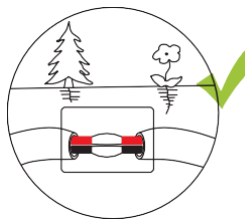
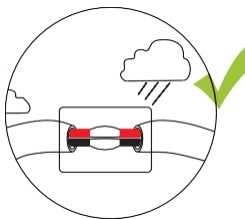
Exposed open Air



Underground



Underwater



Why use the water-proof connector?

When the fixture is turned on, the inside temperature will increase as the operating time goes. Conversely when the lamp stops working, the temperature will drop slowly. This phenomenon will cause "siphonic effect". Thermal expansion and contraction makes the inside and outside air pressure differences. The vapor will infiltrate to the housing through the wire entry as soon as the internal air pressure is smaller than external. The infiltration is caused by several incorrect connections like the pictures below:

The best and easiest ways to prevent the water filtration are by isolating directly

We recommend using the water-proof connector like the following pictures. The connector was developed especially for outdoor lightings to make sure the fixture is protected.



One pair for input and output (quick plug mode)



One for input, two for output (quick plug mode)



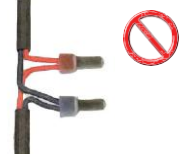
Port 1 for fixture. Port 2,3 for output or input (Wire connected inside)



Not coated the wire perfectly



Only using the water-proof tape



Junction exposed