

Product Type:

These installation instructions apply to LED underground lights AEIR4TF, AEIR4NF, AEIR2TF, AEIR2NF.

Installation Precaution:

1. Please read the instructions carefully before installation;
2. Please have it installed by a professional electrician;
3. To avoid the danger of electric shock, please make sure the power is turned off before installation and maintenance;
4. Please keep the instruction manual for reference.

Spring-loaded Recessed Mounting (AEIR2*F):

1. First, open holes at the location where the luminaires are to be installed according to the corresponding models as shown in Fig. 1 ①, and refer to Table 1 for the dimensions of the openings;

Note: 1) In order to guarantee stable and safe installation of the luminaires, the openings of the luminaires must be made on hard material;
(2) The bottom of the luminaires must be pre-buried drainpipes, to eliminate the water accumulation;

Fixture Model	Opening Dimensions $\varnothing A$
AEIR2TF	$\varnothing 32\text{mm}$
AEIR2NF	$\varnothing 48\text{mm}$

Table 1

2. As shown in Fig. 1 ②, connect the leads of the luminaires with the power cables in the junction box and make waterproof treatment (waterproof junction box needs to be purchased separately);
- 3.

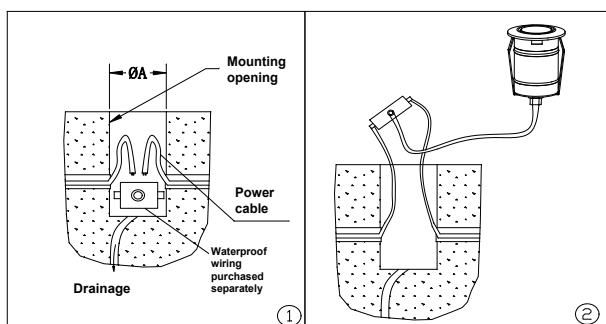


Figure I

4. As shown in Figure II ③, push the luminaires into the holes to flatten the flanges of the luminaires against the mounting surface;
5. Clean the surface of the light outlet of the luminaires as shown in Figure II ④.

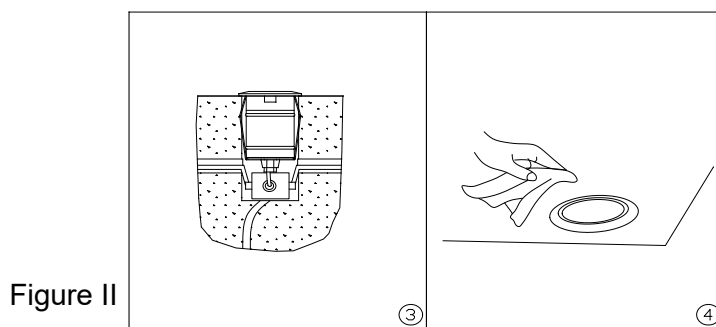


Figure II

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China Factory: Manufactured WAC Lighting(Dongguan)Co,Ltd
Address: No. 390, Qingfeng Road, Qingxi Town, Dongguan City, Guangdong Province, 523653, P.R. China

Installation of pre-buried pipes (AEIR4*F):

1. Cut holes for PVC pipes at the installation position of the lamp, as shown in Fig. ①.
2. Fix the embedded parts with concrete as shown in Fig. ②, and refer to Table 2 for the size of PVC pipes;

Fixture Model	Opening Dimensions $\varnothing A$	PVC Pipe I.D. Size $\varnothing D$	PVC Pipe Height
AEIR4TF	$\varnothing 33\text{mm}$	$\varnothing 28\text{mm} \pm 0.3\text{mm}$	$70\text{mm} \pm 0.5\text{mm}$
AEIR4NF	$\varnothing 51\text{mm}$	$\varnothing 44\text{mm} \pm 0.3\text{mm}$	$70\text{mm} \pm 0.5\text{mm}$

Table 2

3. Connect the leads of the luminaires with the power cord in the waterproof junction box to make waterproof treatment, shown in Figure III ②;

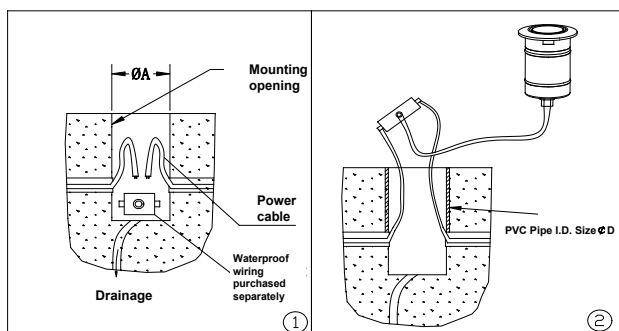


Figure III

4. Install the luminaires into the PVC pipe and make sure the flange of the luminaires is even with the mount surface as shown in Figure IV ③;
5. Clean the surface of the light outlet of the luminaires, as shown in Fig. 4 ④

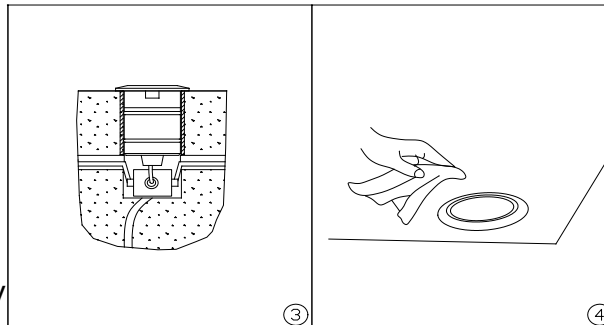


Figure IV

Dismantling and Maintenance:

When the luminaire needs to be dismantled for maintenance, please refer to Figure V.

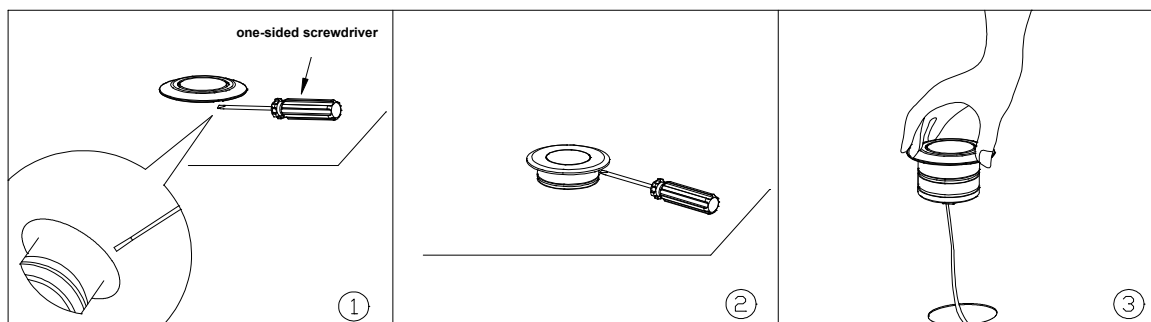


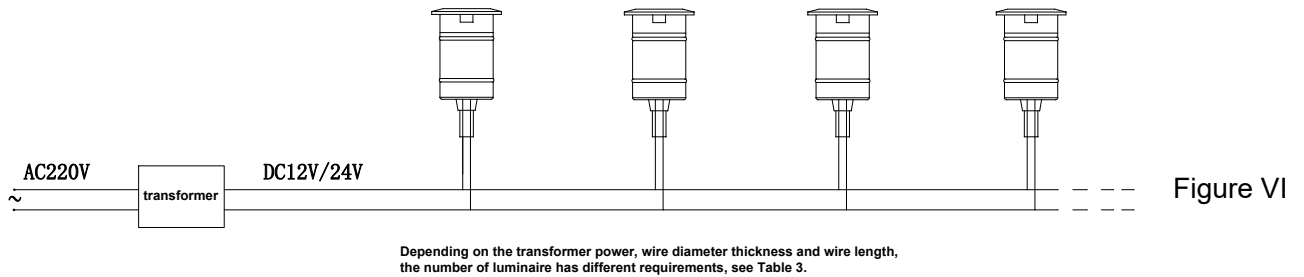
Figure V

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Wiring Instructions:

For fixture wiring, please refer to Figure VI.



Please refer to Table 3 for the number of transformers, wire diameters and stringing of luminaires:

No.	Transformer Power (W)	wire diameter (mm ²)	Cable Length (m)	Suggested number of luminaire in series (pcs)	
				Fixture Power 4.5W	Fixture Power 2W
1	100	1.0	50	10	21
2	100	1.0	40	11	23
3	100	1.0	30	12	25
4	100	1.0	20	13	28
5	100	1.0	10	14	30

Table 3

Note: • The wire diameters in the table are the wire diameters of the wires at the output of the transformer;

- The wires in the table are standard copper core conductors
- The transformer load capacity in the table is 100%, if the load capacity decreases, it will be adjusted proportionally
- Method of calculating the number of connected luminaires in the table: if the power of the transformer is change to 200W, the number of connected luminaires should be increased accordingly. In order to ensure that the current-carrying capacity of the wire is not overloaded, the wire diameter must also be increased according to the corresponding ratio.

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