

Installation Instructions

LED Tunnel Lights

Descriptions

The lamp contains 1 (or 2) constant-current driver(s) and LED light sources; it works under the technical conditions as marked on the driver(s). Both the driver and light source are of modular design, which makes it convenient for installation and maintenance.

Technical Parameters

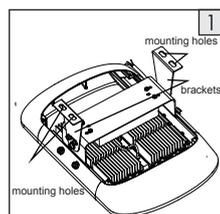
TS1A Series							
Module Quantity	1	2	3	4	5	6	7
Input Voltage	100~277V AC 50/60Hz						
Power Efficiency	≥91%						
Power Factor	0.95						
Working Environment	-40°C~+50°C, 10%~90%RH						
Dimensions (mm)	350x340x229	430x340x229	510x340x229	590x340x229	670x340x229	750x340x229	830x340x229
Net Weight (kg)	4.5	6.1	7.2	8.1	10	11.4	12.6
IP Rating	LED MODULE IP68, POWER SUPPLY IP67						

Applications

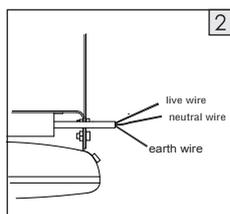
Trunk roads tunnels, sub-trunk road tunnels, highway tunnels and other tunnels.

Installation and Maintenance

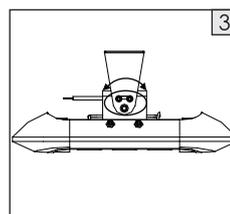
Installation



1. Mount the light to the wall with screws at the mounting holes on the brackets.

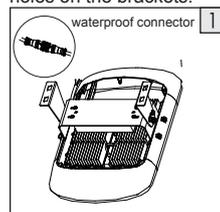


2. Connect the wires to the AC wires. (The earth wire should be reliable and linked to the ground).

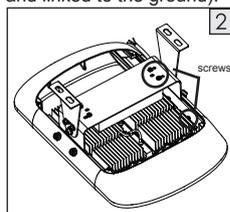


3. Adjust the angle of the base (see Instruction on Adjustable Mounting Bracket in appendix).

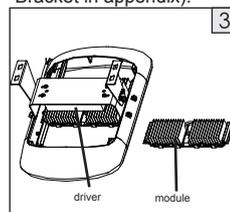
Maintenance



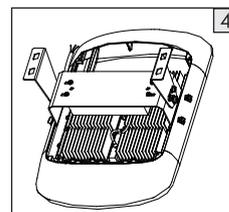
1. Disconnect the waterproof connectors.



2. Loosen the screws at both ends of the failed module(s)/driver(s).

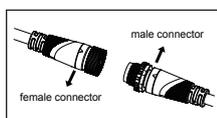


3. Replace the failed module(s)/driver(s) with qualified one(s).

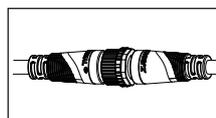


4. Tighten up the screws at both ends of the module(s)/driver(s) and the waterproof connectors.

The connection of waterproof connectors



1. Connect the male and female connectors by aligning the indicative arrow on them.



2. Hold the nut on one terminal still, meanwhile, rotating clockwise till the one on the other terminals is tightened up. Otherwise the waterproof performance might be affected.

Connect fixture wires to appropriate voltage supply wires using proper sized connectors:

- Supply side earth wire to green fixture lead, supply side neutral wire to white fixture lead, supply side live wire to black fixture lead.
- Supply side earth wire to dual-yellow-green fixture lead, supply side neutral wire to blue fixture lead, supply side live wire to brown fixture lead.

⚠ WARNING

- ✓ Disconnect or turn off power before installation, maintenance or service.
- ✓ Allow lamp/fixture to cool before handling.
- ✓ Do not touch enclosure or light source.
- ✓ Make sure the two waterproof connectors are tightened up to avoid water entry.
- ✓ Verify that supply voltage is correct by comparing it with the luminaire label information.
- ✓ Power supply connections should be insulated and waterproof.

⚠ CAUTION

- ✓ Keep combustible and other materials that can burn, away from lamp/lens.
- ✓ Do not operate in close proximity to persons, combustible materials or substances affected by heat or dying.
- ✓ Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- ✓ Avoid direct eye exposure to the light source when it is on.

Failure to follow any of these instructions could void product warranties.