Important Information

This manual contains safety information, please read carefully and follow the instruction strictly.

WARNING: INSTALLATION & SECONDARY RETENTION



Improper installation and handle, including secondary safety retention/securing/netting, may cause severe injury or death. We recommend that all installations should use secondary retention and/or safety netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end customer to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is installed safely (with secondary retention and/or safety netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under the relevant law, we disclaim all responsibility for personal injury and/or other damage resulting from any dislodgement or other dislocation of this product.

WARNING:

To avoid the risks of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician in accordance with all applicable electrical rules and regulations.

Safety Instruction:

- Be certain, the electrical power is OFF before and during installation and maintenance.
- Make sure the supply voltage is the same as the rated luminaire voltage.
- The technical data indicated on the LED luminaires is to be observed.
- Any changes on the design and modifications to the LED luminaire are not permitted.
- Observe the national/regional electrical safety rules and regulations during installation.
- No user replaceable parts, for repair or replacement of parts return luminaire to manufacturer.
- All wiring connections should be capped with UL approved wire connectors.
- Luminaire MUST be well grounded.
- Any combustible materials MUST be kept away from the luminaire.
- Min 90°C supply conductors.

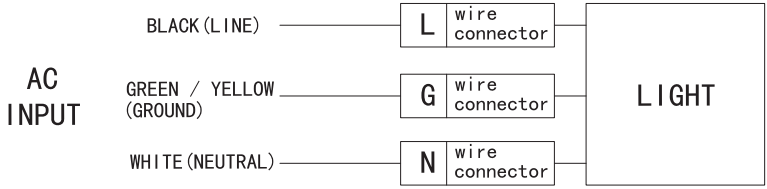
Maintenance:

1. To avoid personal injury, before maintaining, disconnect the light first, and then wait for the luminaire temperature dropping into the safe range.
2. All parts must be checked by mechanical means to ensure they are properly assembled.
3. The external glass should be cleaned regularly to ensure continued luminaire performance. Wipe the glass with a clean, wet, non-abrasive, and lint-free cloth. If this is not sufficient, use mild soap or liquid cleaner. Do NOT use an abrasive, strong alkaline or acid detergent which might damage the luminaire.
4. Check the cooling fins of the luminaire and remove the dust or other sorts of things which accumulated on the luminaire.
5. Visual, electrical and mechanical inspections on the luminaire should be on a regular basis. We highly suggest that this routine inspection should be done at least once a year. The environment condition, where the luminaire installed, determines the frequency of inspection.
6. All electric connections MUST be checked and ensured that they are clean and firm.

Electrical Connections

WARNING:

Cut off the electric power supply from the circuit breaker or the fuse before wiring luminaire to the circuit.
Do not connect the dimming wires.
The connections are marked on the wire connector or on a label and are presented figure below.

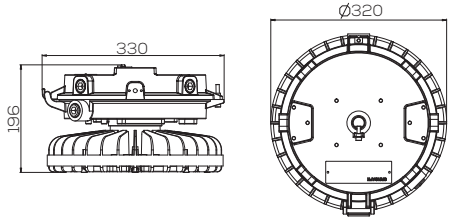


Installation & Operation

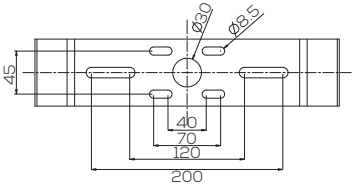
1. Loosen the M6 Socket head cap screws on the Tank Cover.
2. Attach the Tank to the 3/4" NPT conduit.
3. Thread the wire through conduit, and connect to wire connector.
4. Re-attach the Tank cover and tight it by M6 Socket head capscrews with torque value 10 N-m.
5. Check the tightness of conduit and Tank.

Technical Diagrams

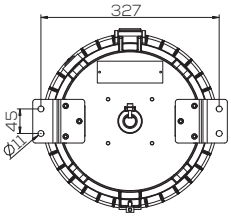
Dimensions: mm



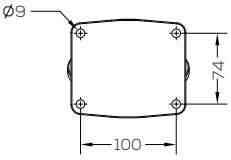
U-bracket



Ceiling-Bracket

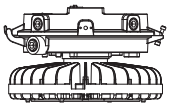


Slip Fitter (Wall)

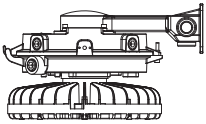


Installation

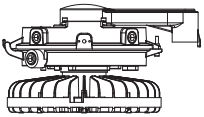
Pendant



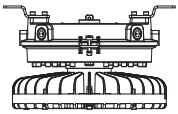
Wall 90°



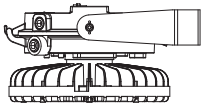
Stanchion 90°



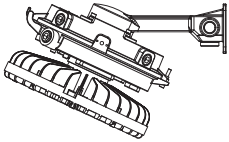
Ceiling



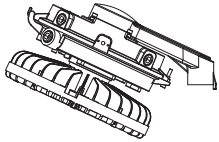
U-bracket



Wall 25°

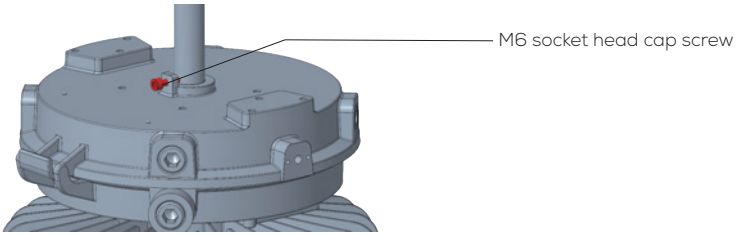


Stanchion 25°



Pendant:

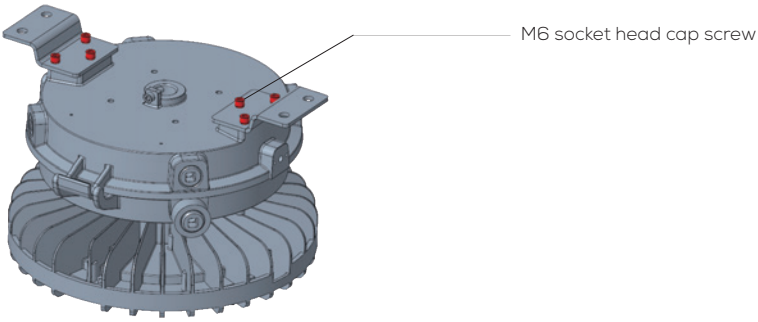
Fix the light with screws after installation and wiring. Torque: 7 N-m



* NPT3/4 threads need to be reliably installed to ensure the waterproof performance of the Luminaire, on the NPT3/4 thread, apply a stripe of an anaerobic liquid pipe sealant or wrap Teflon tape.

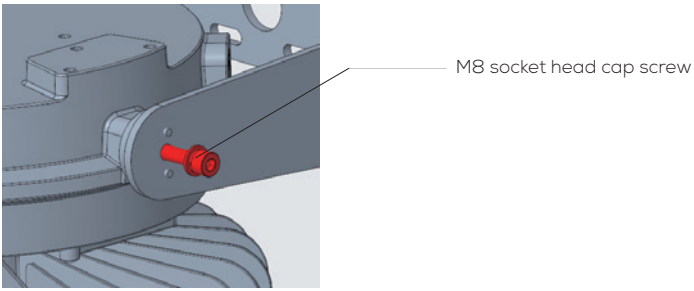
Flush mount by Ceiling-Bracket

1. Fix the bracket on the lamp with M6 screws, Torque: 7 N-m;
2. Mount the luminaire;
3. Connect wires to the wire connector.



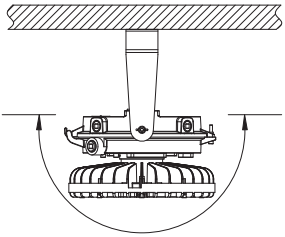
U-bracket:

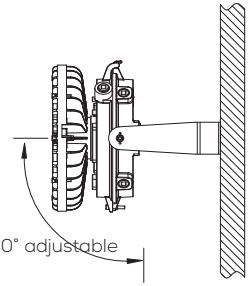
Once mounted, the angle of the luminaire can be adjusted by loosening the M8 socket head cap screw on each side of the bracket. When loosening, do not back bolt out more than 5 full rotations.
When the desired angle has been achieved, the bolts can be tightened to lock in the angle.
Torque: 10 N-m.



* NPT3/4 threads need to be reliably installed to ensure the waterproof performance of the Luminaire, on the NPT3/4 thread, apply a stripe of an anaerobic liquid pipe sealant or wrap Teflon tape.

Installation diagram :

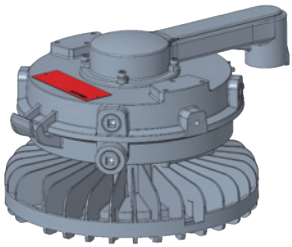




The statement for Class II only:
"Mounting Orientation – Lens Facing Down 0°~90° From Vertical Only"

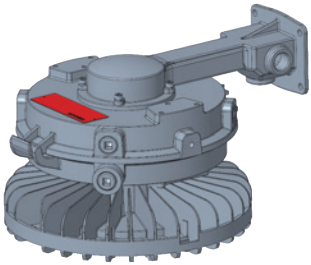
Slip Fitter（Stanchion）:

1. Fix Slip Fitter to pole;
2. Mount the luminaire;
3. Connect wires to the wire connector.



Slip Fitter（Wall）:

1. Fix Slip Fitter to wall;
2. Mount the luminaire;
3. Connect wires to the wire connector.



* NPT3/4 threads need to be reliably installed to ensure the waterproof performance of the Luminaire, on the NPT3/4 thread, apply a stripe of an anaerobic liquid pipe sealant or wrap Teflon tape.

Models:

Models	Power	Rated voltage	Ambient Temp
FORTRESS-34-U FORTRESS-34-N	200W	U:100-277V N:347-480V	-40°(-40°F)~+60°C(140°F)
FORTRESS-26-U FORTRESS-26-N	150W	U:100-277V N:347-480V	-40°(-40°F)~+65°C(149°F)
FORTRESS-17-U FORTRESS-17-N	100W	U:100-277V N:347-480V	
FORTRESS-14-U FORTRESS-14-N	80W	U:100-277V N:347-480V	

General Information:

Suitable for use in the following hazardous (classified) areas as defined by the National Electrical Code (NEC) and Canadian Electrical Code (CEC):
Class I, Division 2 Groups A B C D
Class II, Division 1, Groups E, F and G
Class III

Refer to the luminaire nameplate for specific classification information, maximum ambient temperature suitability and corresponding operating temperature (T-Code).