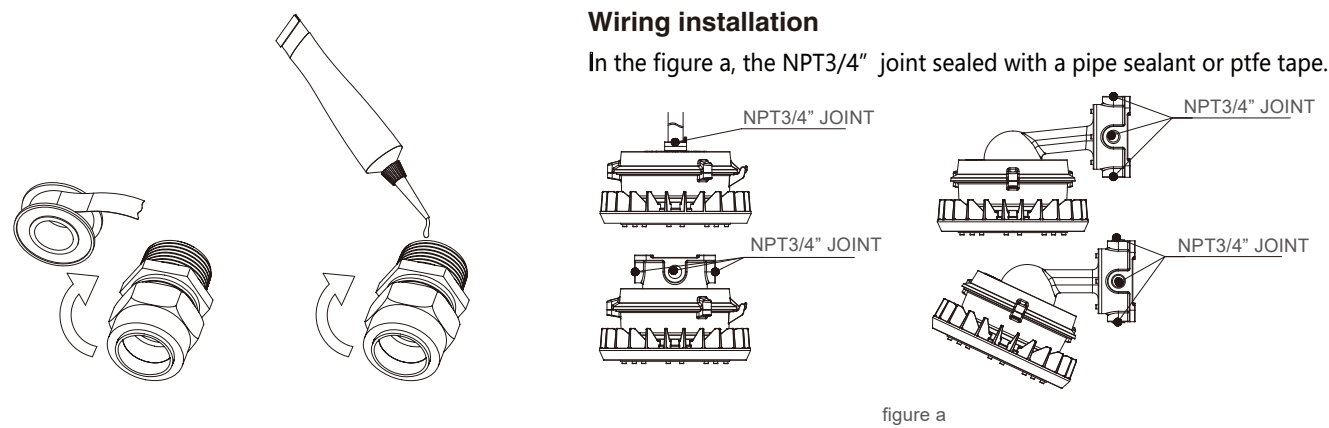


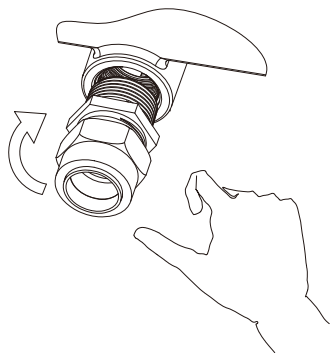
NPT Assembly Instructions:

STEP 1: Inspect port and fitting to ensure that both are free of contaminants and excessive burrs and nicks.
STEP 2: Apply a stripe of an anaerobic liquid pipe sealant around the male threads leaving the first two threads uncovered. If no liquid sealant is available, wrap Teflon tape (width of 12.7mm and thickness of 0.1mm) 2.5- 3 turns in a clockwise direction, viewed from the pipe end, leaving the rest two threads uncovered.

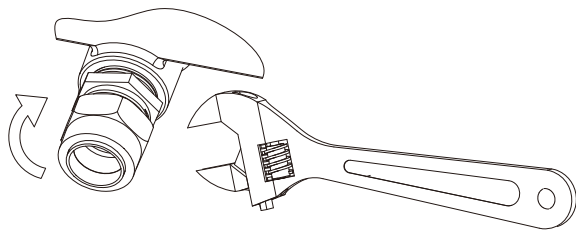


CAUTION: Teflon tape and some pipe sealants are destructive to hydraulic components. Always use extreme caution and follow manufacturer’s recommendations for proper application of any sealant in order to prevent contamination.

STEP 3: Screw finger tight into the port



STEP 4: Wrench tighten the fitting to the correct Turns Past Finger Tight position. A properly assembled fittings total thread engagement should be 3.5 to 6 turns.



CAUTION: Never back off an installed pipe fitting to achieve proper alignment. Loosening installed pipe fittings will corrupt the seal and contribute to leakage and failure.
(*Applicable standard: ASME B1.20.1-2013)

HazLoc LED Luminaire

General Safety Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- **DO NOT INSTALL DAMAGED PRODUCT!**
- This fixture is intended to be connected to a properly installed and grounded UL listed junction box.
- Make sure that the supply voltage is the same as the luminaire voltage.
- Do not install where the marked operating temperatures exceed the ignition temperatures of the hazardous atmosphere.
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
- All gasket seals must be clean and undamaged.



Picture is for illustration purposes only.
Your model may vary

WARNING:
RISK OF ELECTRICAL SHOCK

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.
- Luminaire must be supplied by a wiring system with an equipment grounding conductor.

CAUTION:
RISK OF INJURY

- 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 while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.

CAUTION:
RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamp/lens.
- MIN 90°C SUPPLY CONDUCTORS.

Models:
NJZ-FEL-D-3-4-5-6-7-8-9-10
3= Power (45=45W, 65=65W, 40=40W, 60=60W)
4= Voltage (V01=100-240/277 Vac, V04=347-480 Vac)
5= LED Color temperature (RZ=5000K, RL=4000K, RN=3000K)
6= Type of Glass
(110=110° for Flat Glass; 130=130°for Glass Globe)
7= HAZLOC Rating (25=CID2,CIID1)
8= Lens type
(T=Transparent flat glass; D=Diffuse flat glass; DL01=Drop glass globe)
9= Mount type
(P=NPT 3/4" pendant mount; U=Bracket; F=Ceiling / Stanchion 25° / Stanchio 90° / Wall 25° / Wall 90°)
10= Color of enclosure (GR= "gray" ; BL= "black" ; WT= "white" ; BZ = "bronze")
Operating characteristic:

Model NJZ-FEL-D-XX is suitable for use in the following hazardous (classified) areas as defined by the National Electrical Code (NEC) and Canadian Electrical Code (CEC):

Hazardous Locations
Class I, Division 2 Groups A, B, C, D
Class II, Division 1 Groups E, F, G
Class II, Division 2 Groups F, G
Class III

Compliances

UL 844
UL 1598 / 8750
UL 1598A
CSA C22.2 No.137-M1981
CSA C22.2 No.25
CSA C22.2 No.250.0
CSA C22.2 No.250.13

Environmental Ratings

Suitable for wet location
IP 66

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

Rated voltage:	Power	Model	Ambient Temp.	
			Class I,Division2	Class II,Division 1
100-240/277 VAC	45W	FEL-D-45 Series	-40°C (-40°F) ~ +55 °C (131°F)	55°C (131°F)
	65W	FEL-D-65 Series		
347-480 VAC	40W	FEL-D-40 Series	-40°C (-40°F) ~ +55 °C (131°F)	52°C (126°F)
	60W	FEL-D-60 Series	-40°C (-40°F) ~ +52 °C (126°F)	

HazLoc LED Luminaire

Wiring

CAUTION: Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

Connecting panels to AC source supply:
All units must be individually connected to the AC supply.

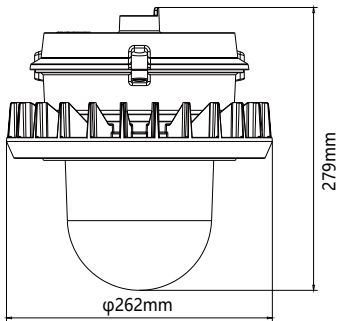
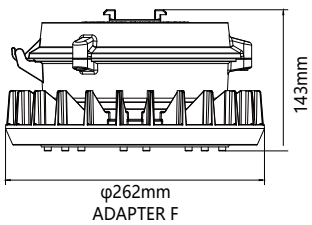
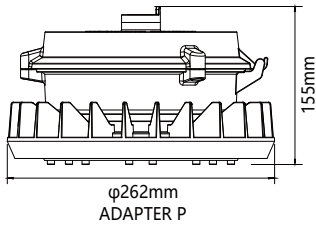
- Black = Line
- White = Neutral
- Green = Ground

Installation

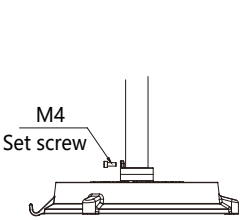
Electrical Connection:

1. Connect field supply wires to luminaire wire leads (or Wago connectors).
2. Wire per wiring diagram and per required electrical codes.
3. Close the driver housing, making sure that all wires are safely inside the box.
4. Check the tightness of conduit and Tank Cover.
5. Turn power on.

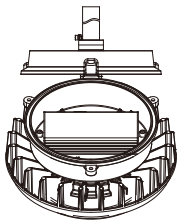
Product Dimensions



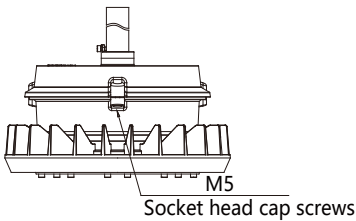
1.Pendant :



step1



step2



step3

Step 1. Loosen the three (M5) hexagon socket head cap screws of the hood with torque value (5 N-m).

Step 2. Thread the pendant hood onto the NPT 3/4 inch conduit. Tighten the M4 set-screw.
Hang the fixture onto the hinge hook of the hood. Connect field supply wires to luminaire wire leads (or Wago connectors).
Wire per wiring diagram.

Step 3. Close driver housing, making sure that all wires are safely inside driver box. Tighten three captive closing screw (M5) to (5 N-m).

Note: All installation must refer to NJZ " NPT Assembly Instructions" to prevent water leakage.

HazLoc LED Luminaire

Servicing

- To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.
- Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks should be made at least once a year. Frequency of use and environment should determine this.
- The external glass should be cleaned periodically to ensure continued luminaire performance. Clean the glass with a clean, damp, non-abrasive, lint-free cloth. If this is not sufficient, use a mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur.
- Inspect the cooling fins on the luminaire to ensure that they are free of any contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
- Mechanically check to make sure all parts are properly assembled.
- Electrically check to make sure that all connections are clean and tight.

Warranty

We warrant that each of our LED lighting luminaire (the "Product(s)") that are purchased while this Warranty is in effect will be free from defects in materials and workmanship for the period of time specified in the table below (the "Warranty Period"). The Warranty Period runs from the date of original purchase from its authorized distributor/dealer.

We will repair, or at our option, replace the defective product (exterior finish, housing and heat sinks, lens, LED engine, power supply) during the standard warranty period. This warranty applies only to the repair or replacement of the product and only when the product is properly handled, installed and maintained according to our instructions.

This warranty excludes defects resulting from improper installation, acts of God, fire, vandalism or civil disturbances, power surges or improper power supply, and corrosive environment installations.

This warranty does not cover equipment, systems or components from other manufacturers that the Purchaser uses in conjunction with the Product. Any repair, alteration or modification of the Product, including replacement of Product components with components of other manufacturers will void the warranty in its entirety.

Product	Which Model Nos. are Covered by this Warranty	Warranty Period
Explosion-protected Luminaire	NJZ-FEL-D Series	Five (5) Years

HazLoc LED Luminaire

Limitation of Liability

THE FOREGOING WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, DECREASE IN THE LIGHT OUTPUT OF THE LAMP, AND/OR DETERIORATION IN THE LAMP'S PERFORMANCE, WHETHER OR NOT HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL 's ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT. WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DO NOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

This Limited Warranty gives you specific legal rights and you may also have other rights that may vary from state to state. Because some states or jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, this limitation may not apply to you.

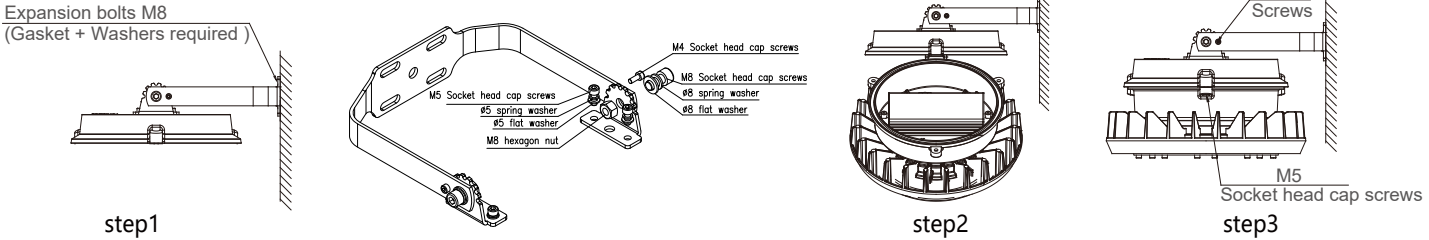
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)this device may not cause harmful interference,and (2)this device must accept any interference received,including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE 1: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NOTE 2: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

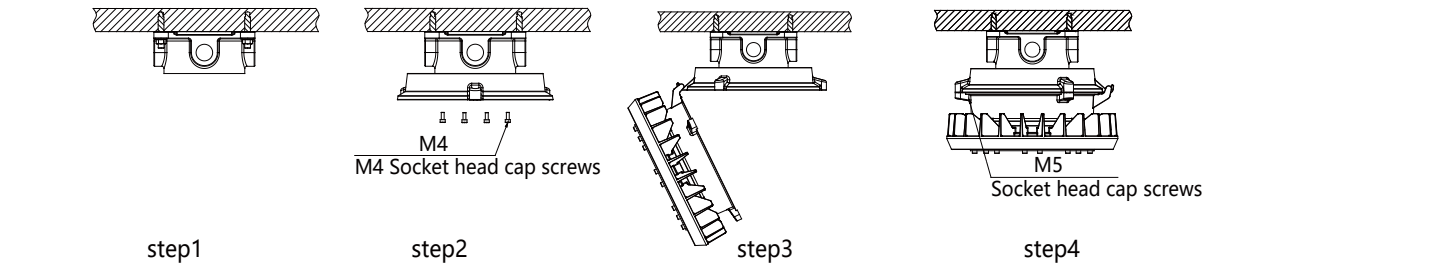
HazLoc LED Luminaire

2.Bracket :



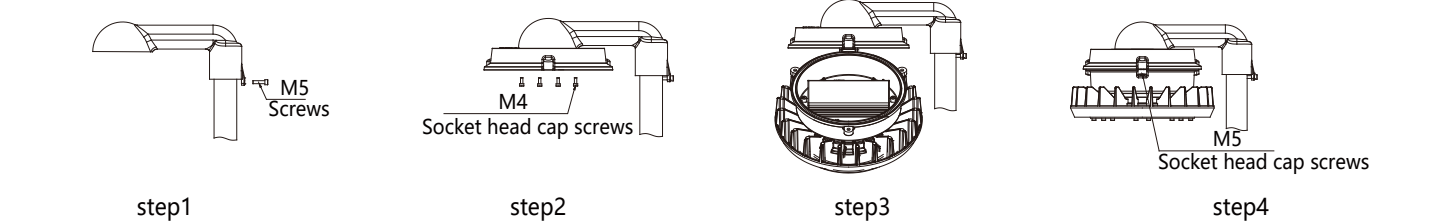
- Step 1.** Loosen the three (M5) hexagon socket head cap screws of the hood with torque value (5 N-m). Secure the bracket and hood with 4 (M8) expansion bolts (not provided) directly to a structural member; Adjust the angle (6x30°) of the bracket and fix the position with M4 screws (provided).
- Step 2.** Hang the fixture onto the hinge hook of the hood. Connect field supply wires to luminaire wire leads (or Wago connectors). Wire per wiring diagram.
- Step 3.** Close driver housing, making sure that all wires are safely inside driver. Tighten three captive closing screw (M5) to (5 N-m).
- Note:** All installation must refer to NJZ " NPT Assembly Instructions" to prevent water leakage.

3.Ceiling :



- Step 1.** Mark and drill desired location on mounting surface. Secure the ceiling junction box with 4 (M8) expansion bolts (not provided) directly to a structural member. Thread onto a NPT 3/4 inch conduit.
- Step 2.** Loosen the 3 (M5) hexagon socket head cap screws of the hood with torque value (5 N-m). Use the 6 (M4) hexagon socket screws with torque value (3 N-m.) to fix the hood onto ceiling junction box.
- Step 3.** Hang the fixture onto the hinge hook of the hood. Connect field supply wires to luminaire wire leads (or Wago connectors). Wire per wiring diagram.
- Step 4.** Close driver housing, making sure that all wires are safely inside driver. Tighten three captive closing screw (M5) to (5 N-m).
- Note:** All installation must refer to NJZ " NPT Assembly Instructions" to prevent water leakage.

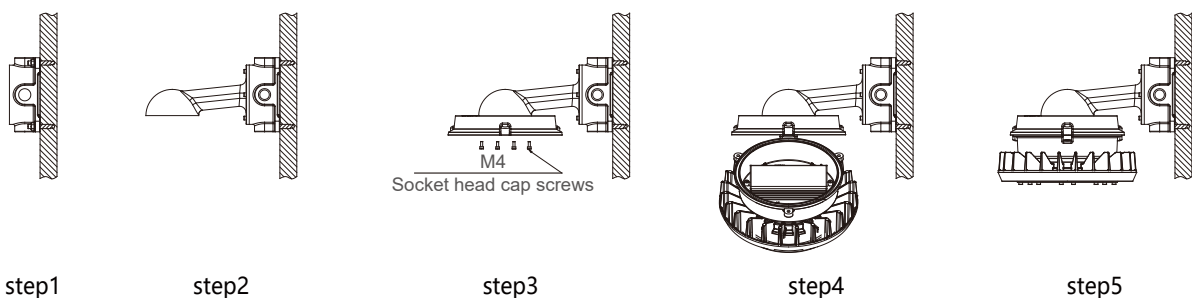
4.Stanchion 25°/ Stanchion 90° :



- Step 1.** Securely thread the adapter onto the appropriate NPT size conduit. Determine the appropriate orientation and tighten the (M5) set-screw. Make sure the gasket of the adapter is properly inserted into the slot .
- Step 2.** Loosen the 3 (M5) hexagon socket head cap screws of the hood with torque value (5 N-m). Use the 6 (M4) hexagon socket screws with torque value (3 N-m.) to fix the hood onto the adapter.
- Step 3.** Hang the fixture onto the hinge hook of the hood. Connect field supply wires to luminaire wire leads (or Wago connectors). Wire per wiring diagram.
- Step 4.** Close driver housing, making sure that all wires are safely inside driver. Tighten three captive closing screw (M5) to (5 N-m).
- Note:** All installation must refer to NJZ " NPT Assembly Instructions" to prevent water leakage.

HazLoc LED Luminaire

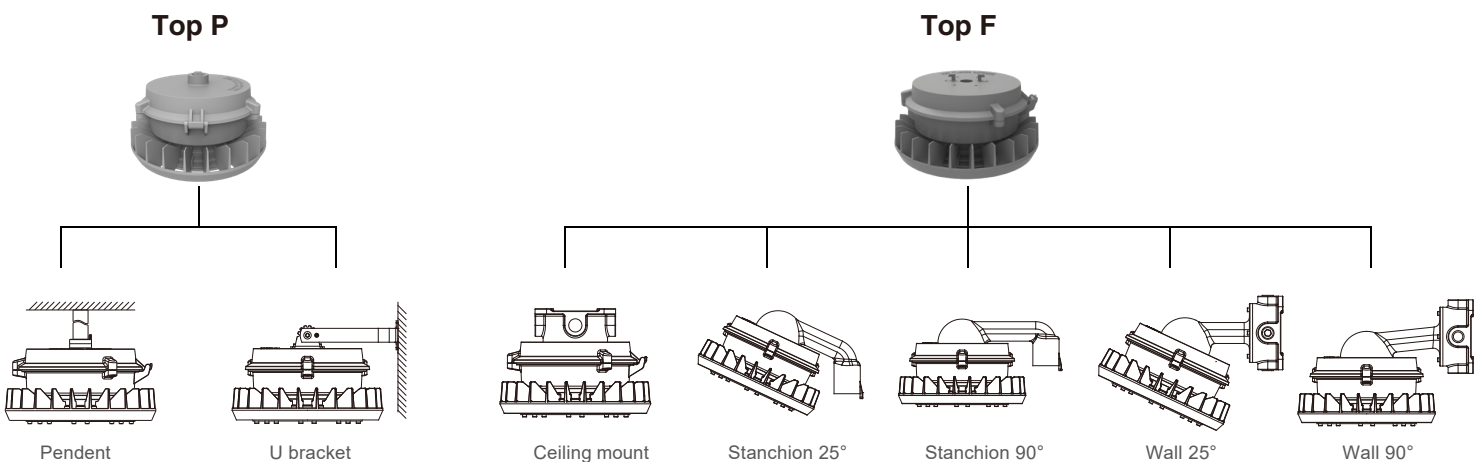
5.Wall 25°/Wall 90° :



- Step 1.** Mark and drill desired location on mounting surface, Secure the junction box (provided) with 4 (M8) expansion bolts (not provided) directly to a structural member; thread onto a NPT 3/4 inch conduit.
- Step 2.** Pull field wiring into the wall mount adapter. Secure the adapter with 6 (M4) screws (provided) directly to the junction box. Make sure the gasket of the adapter is properly inserted into the slot.
- Step 3.** Loosen the 3 (M5) hexagon socket head cap screws of the hood with torque value (5 N-m). Use the 6 (M4) hexagon socket screws with torque value (3 N-m.) to fix the hood onto the adapter.
- Step 4.** Hang the fixture onto the hinge hook of the hood. Connect field supply wires to luminaire wire leads (or Wago connectors). Wire per wiring diagram.
- Step 5.** Close driver housing, making sure that all wires are safely inside driver. Tighten three captive closing screw (M5) to (5 N-m).

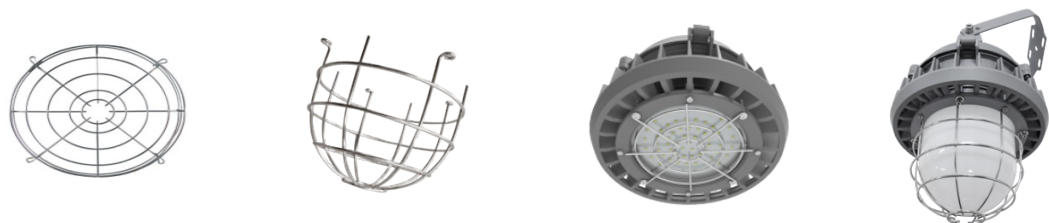
Note: All installation must refer to NJZ " NPT Assembly Instructions" to prevent water leakage.

Type of Installation



WIRE GUARD INSTALLATION (kit sold separately)

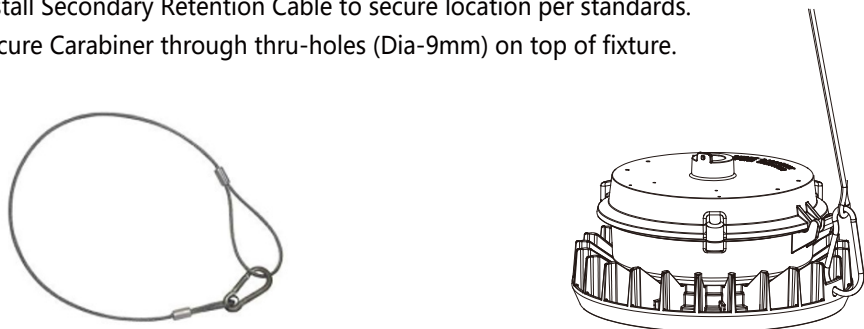
- Step 1.** Loosen the 4 (M4) hexagon socket head cap screws of the lens cover with torque value 7 N-m.
- Step 2.** Locate and center the guard to the outside of the fixture housing with the (4x) clips aligned with the holes of the screws.
- Step 3.** Install and tighten the 4 (M4) screws through the mounting clips and into the housing screw holes as shown in torquing to (7 N-m).



HazLoc LED Luminaire

SAFETY CABLE INSTALLATION (kit sold separately)

- Step 1.** Install Secondary Retention Cable to secure location per standards.
- Step 2.** Secure Carabiner through thru-holes (Dia-9mm) on top of fixture.



PIPE CLAMP INSTALLATION (kit sold separately)

- Step 1.** Check diameter of pipe to make sure you are using the correct size clamp.
- Step 2.** Place the Fixture Bracket against the installed pipes.
- Step 3.** Place the clamp (U-bolts) on the pipe and fit it through the openings in the bracket.
- Step 4.** Adjust fixture to desired angle. Insert and tighten the supplied locking nuts and washers to secure the clamp to the pipe.



INSTALLATION CHECKLIST

1. Verify if the steel pipe or cord grip are installed to at least five (5) full threads into the conduit entries of the fixture.
2. Verify field supply wires to luminaire (Wago connectors) per wiring diagrams and all electrical connections are tightened.
3. Verify all Wires are safely and neatly inside driver housing, Gasket of the housing is placed into the slot nicely and evenly.
4. Verify the three M5 captive closing screw is tightened to (5 N-m).
5. Follow NJZ " NPT Assembly Instructions" to prevent water leakage.

