★D4

# INSTALLATION INSTRUCTIONS

## *HAZARDOUS LOCATIONS LED LUMINAIRE (D4)*

**Class I, Division 1,Groups B, C and D ; Class I, Division 2,Groups A, B, C and D ; Class II, Division 1, Groups E, F and G ; Class II, Division 2, Groups F and G; Class III**

## WARNING

### RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

**Before installation, turn power off.**

- Risk of fire or electric shock. Luminaire installation requires knowledge of luminaires and electrical systems. If not qualified, DO NOT try to install. Please contact an electrician.
- Risk of fire or electric shock. Suitable for wet locations. Please turn off the power before installation.
- Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.
- DO NOT install in unstable, loose or breakable surfaces.
- DO NOT let objects impact or exert force on the surface of the fixture.
- To Reduce The Risk Of Ignition Of Hazardous Atmospheres, Disconnect The Luminaire From The AC Supply Circuit And Determine That The Area Is Free Of Ignitable Concentration Before Opening. Keep Tightly Closed When In Operation
- To Prevent The Ignition of Explosive Atmospheres, Determine That the area is Not Hazardous Before Operating The Test Switch.

## AVERTISSEMENT

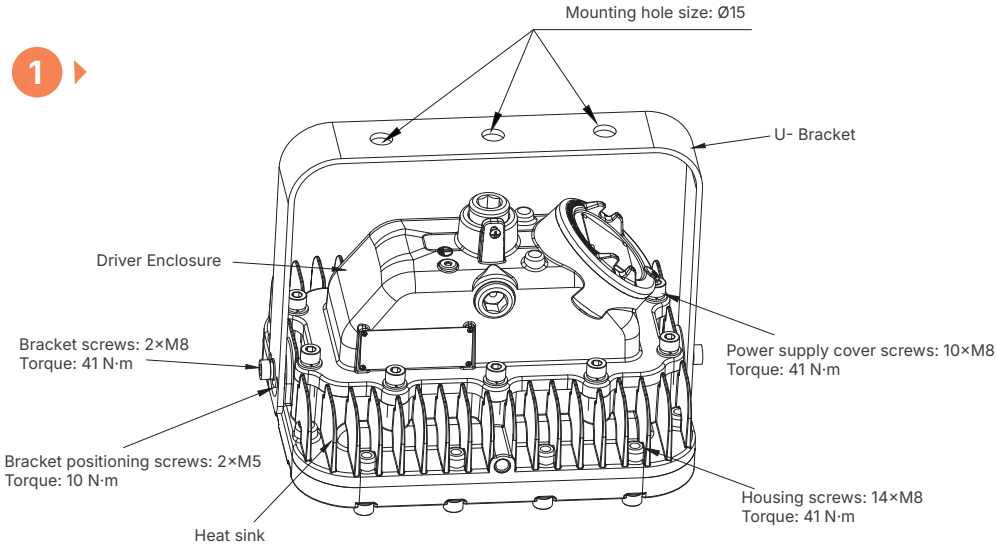
### RISQUE D'INCENDIE, DE CHOC ÉLECTRIQUE OU DE BLESSURE CORPORELLE

**Avant l'installation, coupez l'alimentation électrique.**

- Risque d'incendie ou de choc électrique. L'installation du luminaire requiert des connaissances en matière de luminaires et de systèmes électriques. Si vous n'êtes pas qualifié, NE TENTEZ PAS d'installer l'appareil. Veuillez contacter un électricien.
- Risque d'incendie ou de choc électrique. Convient aux emplacements humides. Veuillez couper l'alimentation avant l'installation.
- Risque d'incendie ou de choc électrique. Convient aux surfaces et cadres non isolés. NE RECOUVREZ PAS le luminaire d'un isolant ou d'un matériau similaire.
- NE PAS installer sur des surfaces instables, desserrées ou cassables.
- NE PAS laisser des objets heurter la surface du luminaire ni exercer de force sur celle-ci.
- Pour réduire le risque d'inflammation des atmosphères dangereuses, déconnectez le luminaire du circuit d'alimentation en courant alternatif (CA) et assurez-vous que la zone est exempte de concentration inflammable avant de l'ouvrir. Maintenez-le hermétiquement fermé pendant son fonctionnement.
- Pour prévenir l'inflammation des atmosphères explosives, assurez-vous que la zone n'est pas dangereuse avant d'actionner l'interrupteur de test.

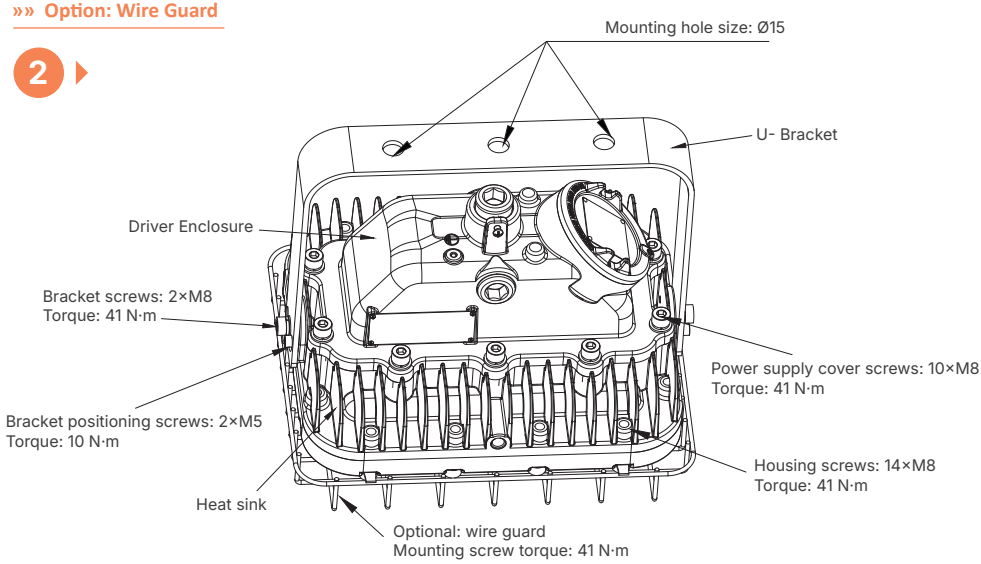
## INSTALLATION & MAINTENANCE

1




»» Option: Wire Guard

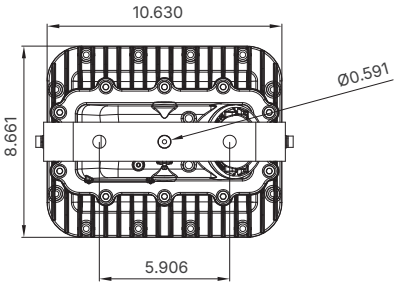
2



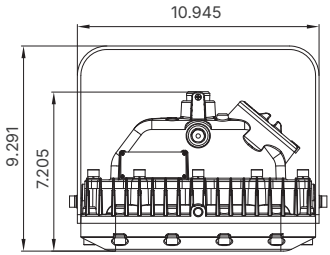

1. Although no routine maintenance is required to keep this luminaire functional, it should be checked periodically ensure it is working properly, and to look for any external damage.
2. For optimum performance, keep the light transmission portion of the luminaire clean.

## DIMENSIONAL DATA(Unit: inch)

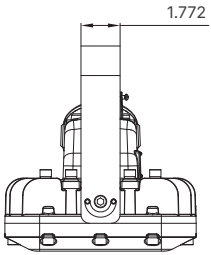
»» Top view




»» Front view



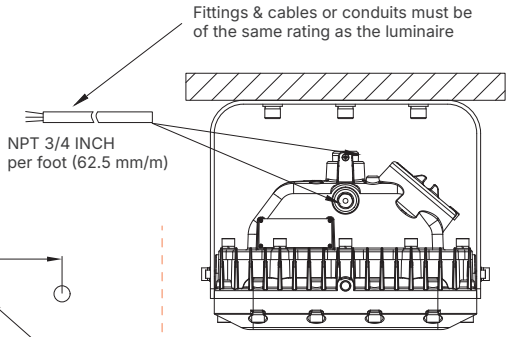

»» Side view




## TYPICAL INSTALLATION & MOUNTING INSTRUCTIONS

### A Ceiling Mounting

Fig 2



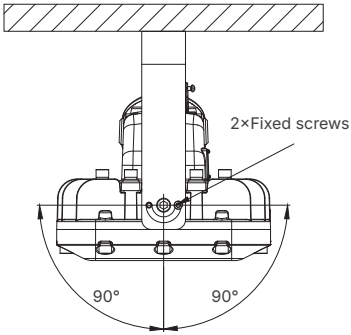
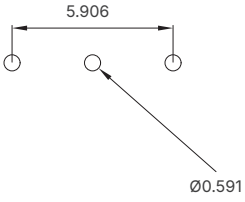




Fig 1




❶ Remove the luminaire from the packaging and tighten the two M5 bracket positioning screws (10 N·m)

❷ Drill two ø12 holes at the designated positions, and install the luminaire using M10 expansion screws (81 N·m)

❸ Connect the wires and conduit correctly

## B Wall Mounting

Fig 1

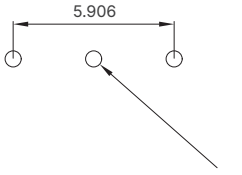
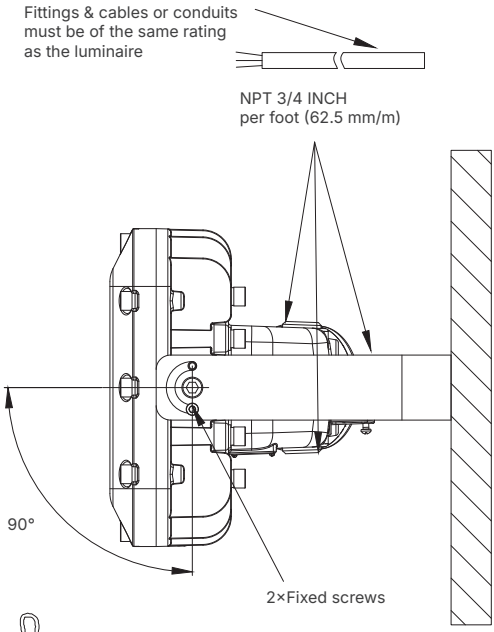


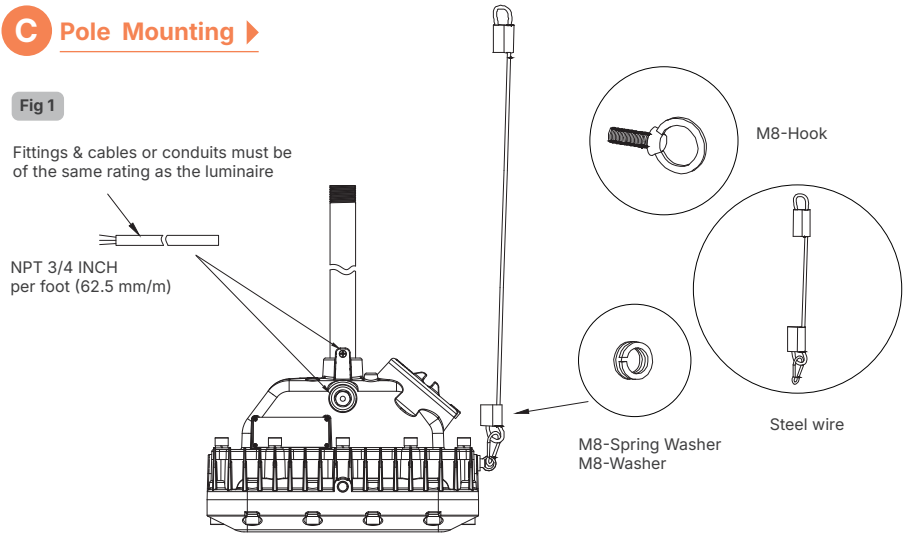

Fig 2




1. Remove the luminaire from the packag -ing and tighten the two M5 bracket positioning screws (10 N·m).
2. Drill two ø15 holes at the designated positions, and install the luminaire using M12 expansion screws (142 N·m).
3. Connect the wires and conduits correctly.

## C Pole Mounting

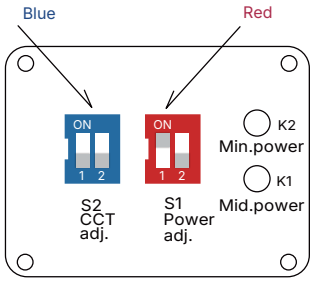
Fig 1

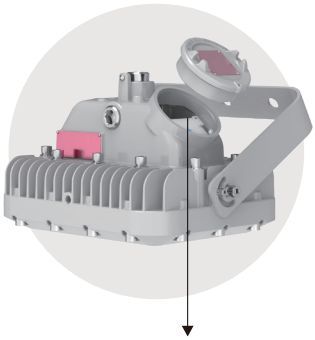



1. Remove the luminaire and the pole from the packaging, screw the pole into the 3/4 NPT threaded hole at the top of the luminaire, and tighten the M4 screw (4.8 N·m).
2. Install the M8 eye bolt on the luminaire body (41 N·m), hook one end of the safety rope onto the eye bolt, and secure the other end to a position capable of withstanding a 30 kg load, such as a steel beam or a wall
3. Connect the wires and conduits correctly.

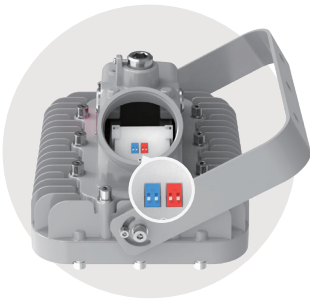
## POWER AND CCT SELECTABLE

*( This section applies only to the dual-adjustable series)-Use Model D4 as an example*



Power and CCT Selectable



DIP switch

### »» Operating Instructions

#### S1 DIP switch - Red (S1 Power adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three selectable output ratings. Factory default settings and power levels can be customized based on project requirements.

1- Maximum Output (100% nominal power)
Switch configuration: Dial 1 = OFF, Dial 2 = OFF




D4:100W

2- Medium Output (70%-90% of nominal power, depending on specification)
Switch configuration: Dial 1 = ON, Dial 2 = OFF




D4:80W

3- Minimum Output (50%-70% of nominal power, depending on specification)
Switch configuration: Dial 1 = OFF, Dial 2 = ON




D4:60W

#### S2 DIP switch - Blue (S2 CCT adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three preset color temperature options. The factory defaultsetting can be customized according to order requirements.

1- Cool white, e.g. 6500K
Switch configuration: Dial 1 = OFF, Dial 2 = OFF




6500K

2- Neutral white, e.g. 5000K
Switch configuration: Dial 1 = ON, Dial 2 = OFF



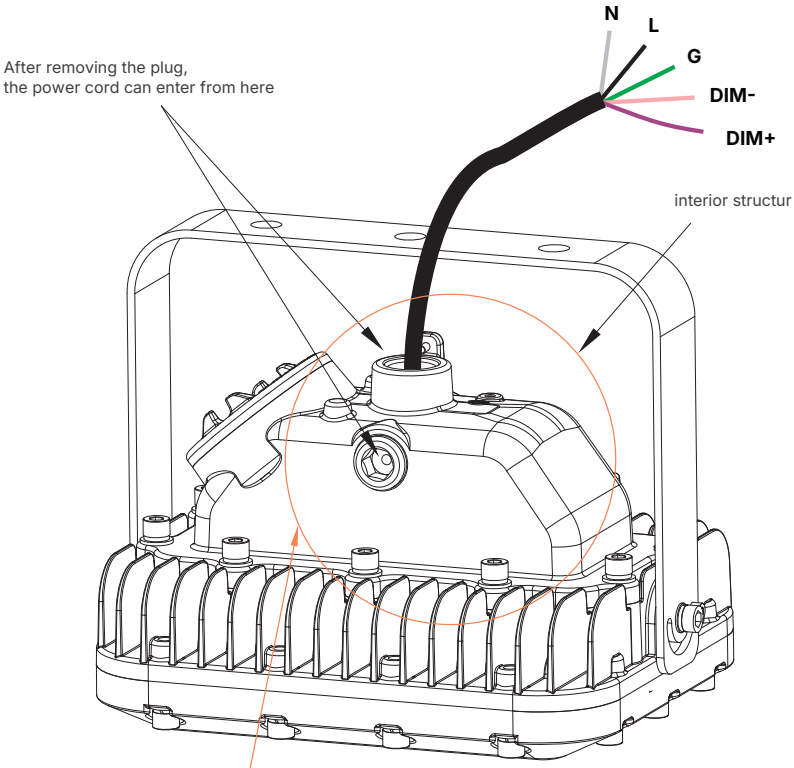

5000K

3- Warm white, e.g. 4000K
Switch configuration: Dial 1 = ON, Dial 2 = ON

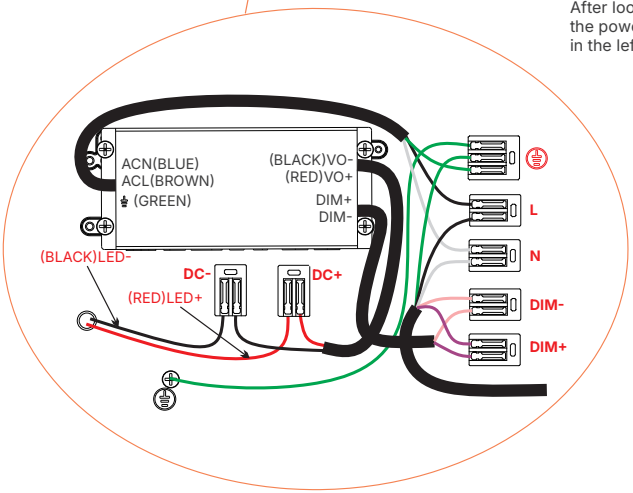



4000K

## WIRING DIAGRAM



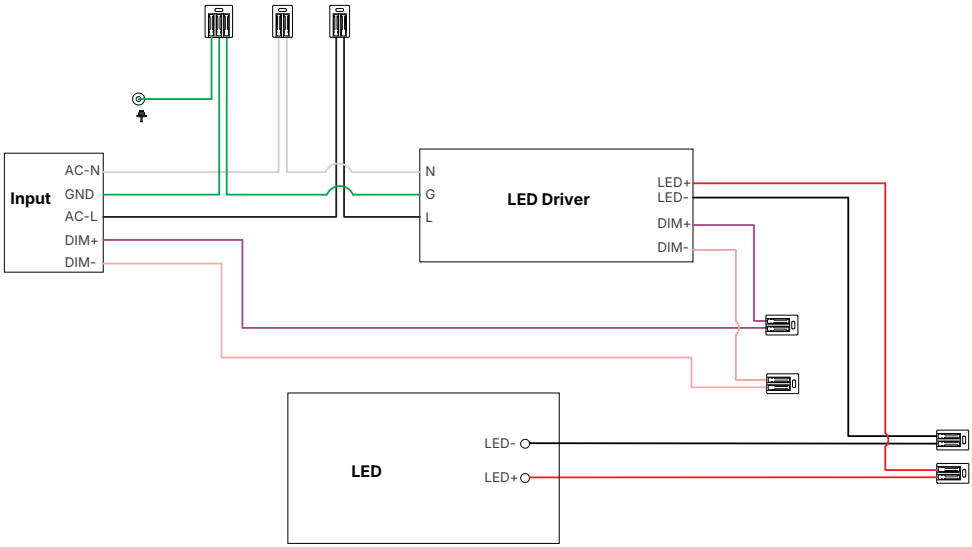

After loosening the screws on the side of the power cover,wire it in the way shown in the left picture above



## CIRCUIT DIAGRAM

*LNG(PE) L1 LNG(PE) Terminal: Nominal cross-sectional area 2.5 mm² (max. port size: 4 mm²)*

### »» Conventional Circuit Diagram




### »» Power and CCT Selectable Circuit Diagram

