

Operation & Maintenance Manual

COBRA SERIES



<input type="checkbox"/>	Luminaires for Hazardous Locations	UL 844 Listed Class I Division 2, Groups A, B, C, D
<input type="checkbox"/>	Industrial Lighting	UL 1598、UL 1598A

1. Brief Introduction

1.1. LED source with aluminium alloy enclosure. Small size, high safety and reliability.

2. Application

2.1. Ex type: a. Petroleum Industry, Petrochemical Industry, Metallurgical Industry, Power Generation Industry, Power Transmission Industry, Machine Manufacturing. etc.
b. Drilling platform, single point moorings, oil tanks, work over platform, production platform, field tank, manifold center, pumping station, gasoline station, transformer station, coating plant warehouse. etc.
2.2. Industrial type: Suitable for many indoor and outdoor locations, such as metallurgy lane-way, large-scale cable trench, cement plants, warehouse, workshop, factory, power station, damp applications, and heavy vibration locations.

3. Executive standard

- 3.1. UL 1598
- 3.2. UL 1598A
- 3.3. UL 844
- 3.4. CSA C22.2 No. 250.0
- 3.5. CSA C22.2 No. 137

4. Product certification

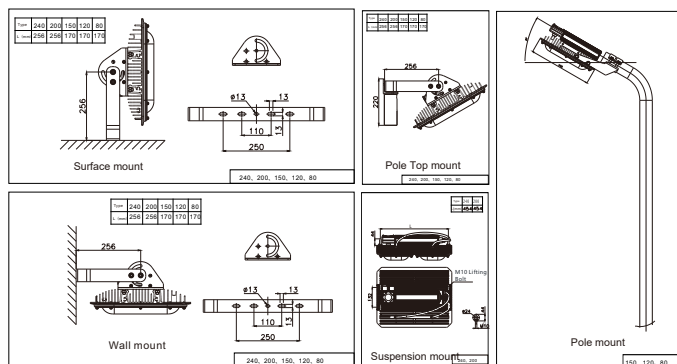
4.1. UL and CUL.

5. Caution

- 5.1. This product should be installed and maintained by a qualified electrician only.
- 5.2. Do not operate in ambient temperatures above those indicated on the nameplate.
- 5.3. Repair of the flameproof joint must be made in compliance with the structural specifications provided by the manufacturer.
- 5.4. The assembly should be equipped with certified cable glands with a compatible mode of protection for the intended use. The unused holes should be closed with certified plugs.
- 5.5. Make sure the electrical power is OFF before installation and maintenance.
- 5.6. Do not open when energized.
- 5.7. After de-energizing, wait 10 minutes before opening.

6. Installation method

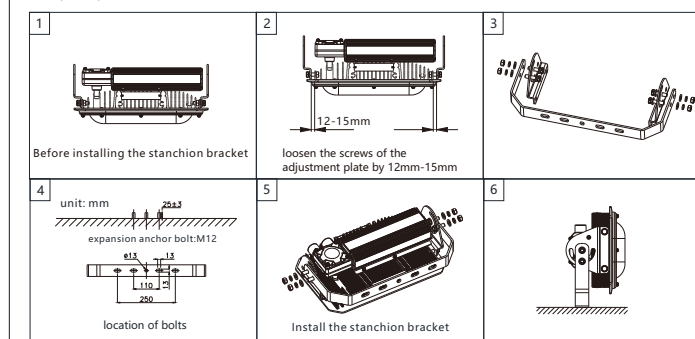
(Pole mount is only available for 80,120,150W Cobra series.)



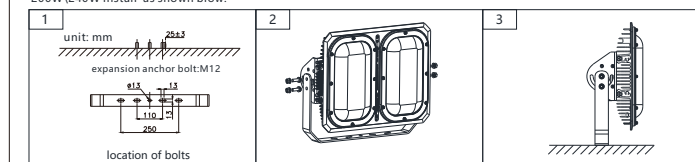
- 6.1. Install M10 expansion anchor bolts correctly as per different installation methods.
- 6.2. Fix the brackets to the correct location on the light fixture.
- 6.3. Secure the bracket using the appropriate flat washer and lock washer. Then bolt nut to the expansion anchor bolts.
- 6.4. Installation drawings:

6.4.1. Surface mount

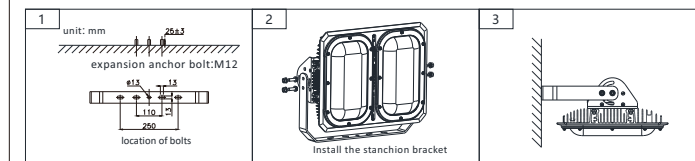
80W\120W \150W install as shown blow:



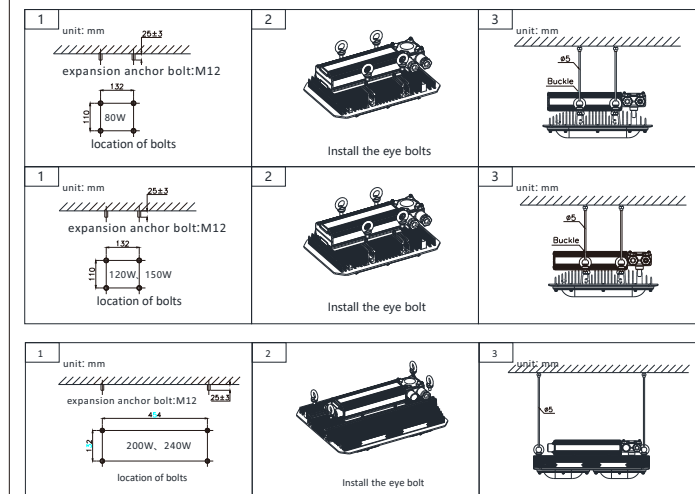
200W\240W install as shown blow:



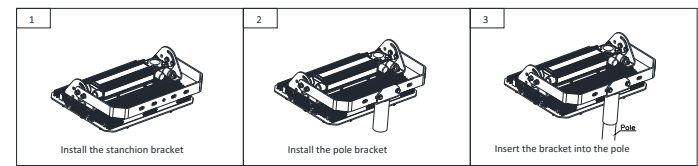
6.4.2. Wall mount



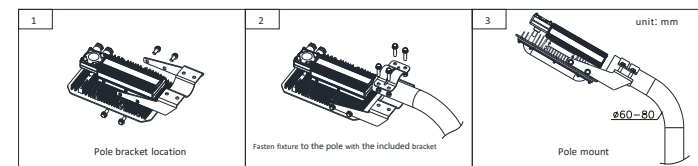
6.4.3. Suspension mount



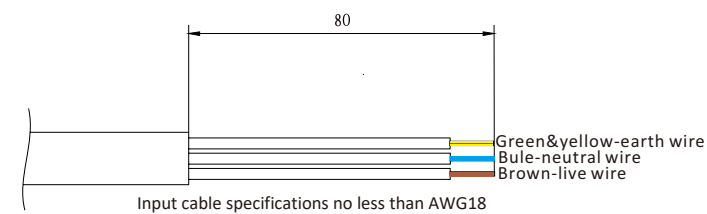
6.4.4.Pole Top mount



6.4.5. Pole mount (only available for 80W,120W,160W Cobra series)

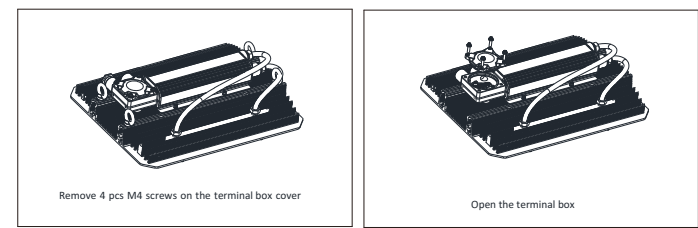


6.5,Select appropriate input cable with specifications no less than AWG18 with stripping length (L:80mm, N: 80mm, GND:80mm).



6.6.Remove terminal box cover.

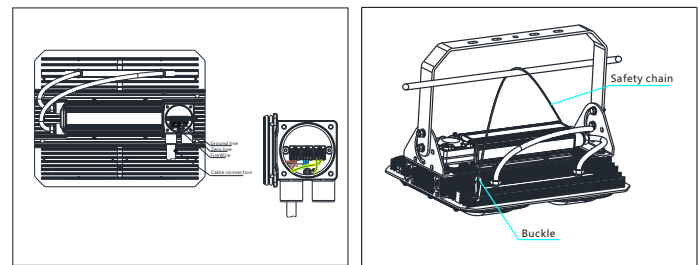
6.7.Refer to above diagram for wiring instruction.



6.8.Ensure fixture is properly grounded.

6.9.Resecure terminal box cover.

6.10.Install the safety chain to the installation surface.



6.11.Additional fixture wiring diagram:

